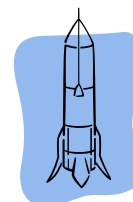


AEROSPACE

STATE FAIR ENTRY: One Aerospace rocket, remote control aircraft, or drone and one poster/display board are eligible from each grade category (3-5, 6-8, and 9-12). Thus each county could send a maximum of six exhibits to the State Fair, 3 rockets, remote control aircrafts, or drones and 3 poster/display boards. *No "Ready to Fly" or E2X rockets are acceptable in the 4-H Aerospace project.*



DIVISIONS/LEVELS:

Level	Grades 3 – 5
Level	Grades 6 – 8
Level	Grades 9 – 12

OBJECTIVE: This project will help you gain educational training in aerospace and a broader view of this exciting area of science. We hope to present information and activities of general interest, to encourage career exploration, and to promote an appreciation of this field of science. **NO PREASSEMBLED ROCKETS MAY BE USED.** Remote control aircraft or drones may be constructed from a kit or purchased ready-to-fly.

PROJECT REQUIREMENTS:

- **Completed project manuals must be turned in when you check-in your 4-H project.**
- Each year, members must complete a minimum of three (3) activities. These will be recorded on the scorecard.
- **Attach a 3"x5" index card to your exhibit stating how you customized your rocket.**
- **Engines may NOT be included as part of the exhibit for safety reasons.**
- All poster, notebooks, and display boards must include a reference list indication where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site, links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.
- Rockets may be exhibited with a base, but launch pads are not permitted. All rockets must weigh less than 3.3 pounds and considered an amateur rocket according to FAA regulations.

LEVEL (Grades 3 – 5):

MANUAL: BU-6843 Lift Off

EXHIBIT one of the following:

1. A hand built rocket of your choice; Estes Skill Level 1, 2, or comparable difficulty.
2. A poster or display board on any topic in the manual (i.e., construct a paper airplane with a poster board explaining why you designed it the way you did)
3. Cluster engine rockets and rockets that take an engine D or above are not permitted in this level.
4. Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

LEVEL (Grades 6 – 8):

MANUAL: BU- 6844 Reaching New Heights

EXHIBIT one of the following:

1. Rocket or other aerodynamic object of your choice; Estes Skill Level 2, 3, 4 or comparable difficult.
2. A poster or display board on any topic in the manual (i.e., glider plane with poster explaining design).

3. Cluster engine rockets and rockets that take an engine E or above are not permitted in this level.
4. Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

LEVEL (Grades 9 – 12):

MANUAL: BU-6845 Pilot in Command

EXHIBIT one of the following:

1. Rocket of your choice, Estes Skills Level 3 or above, a Box kite or other aerodynamic object of your choice which illustrates principles of flight.
2. A poster or display board on any topic in the manual (i.e., box kite (page 20) with poster explanation).
3. Rockets that take an engine G or above are not permitted
4. Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

AG TRACTOR

STATE FAIR: The first three places in the junior (grades 3 – 7) and senior (grades 8 – 12) divisions in the County Tractor Operator's Contest will compete at area competition.

OBJECTIVE: The purpose of the 4-H Tractor project is to give members the opportunity to "learn by doing." You will learn that better tractor care results in longer tractor life, more power and lower operating costs. While you are learning how to care for your tractor, you should also learn how to be a safe operator.

DIVISIONS/LEVELS:

<i>Junior</i>	Grades 3 - 7
<i>Senior</i>	Grades 8 - 12

MANUAL:

Level A (Junior Level grades 3 – 4): 4-H 961 Starting Up-Getting to Know your Tractor
Level B (Junior Level Grades 5 – 6): 4-H 962 Tractor Operation-Gearing Up for Safety
Level C (Junior Level grade 7, Senior Level graded 8 – 9): 4-H 963 Moving Out! Learning more about your Tractor and Farm Machinery
Level D (Senior Level grades 10 – 12): 4-H 964 Learning More! Learning about Agricultural Tractors and Equipment

PROJECT MANUALS:

- **Your project manual must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities.

TRACTOR OPERATORS' CONTEST:

4-H Tractor members are encouraged to participate in the county Tractor Operator's Contest. 4-H members are divided into two levels:

1. Juniors: Grades 3 – 7 at enrollment time
2. Seniors: Grades 8 – 12 at enrollment time

Members operate a tractor through a driving course, take a written test, and identify parts of a tractor. Check out the website www.four-h.purdue.edu/tractor . Winners may advance to the area contests in large farm tractor. Area winners will then advanced to the State Contest held during State Fair.



TRACTOR SAFETY EDUCATION: TRACTOR POSTER

STATE FAIR: One exhibit that meets the requirements from each level is eligible for State Fair exhibit.

OBJECTIVE: You will learn that better tractor care results in longer tractor life, more power and lower operating costs. While you are learning how to care for your tractor, you should also learn how to be a safe operator.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4
Level B	Grades 5 – 6
Level C	Grades 7 – 9
Level D	Grades 10 – 12

MANUALS: 4-H 961 Starting Up-Getting to Know your Tractor (Level A, Grades 3 – 4); 4-H 962 Tractor Operation-Gearing Up for Safety (Level B, Grades 5 – 6); 4-H 963 Moving Out! Learning more about your Tractor and Farm Machinery (Level C, Grades 7 – 9); 4-H 964 Learning More! Learning about Agricultural Tractors and Equipment (Level D, Grades 10 – 12)

PROJECT REQUIREMENTS:

- **Completed project manual must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities.
- All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit or the manner in which references are listed.

LEVEL A (Grades 3 – 4):

Exhibit: Choose one of the following to exhibit at the fair:

- Posters
- Notebook report
- Display board: display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three-dimensional items are attached to the board.
- Project Interact (Action) Demonstration

Note: The subject matter content for the exhibit must correspond to the subject matter content found in the Level A manual.



LEVEL B (Grades 5 – 6):

Exhibit: Choose one of the following to exhibit at the fair:

- Posters
- Notebook report
- Display board: display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three-dimensional items are attached to the board.
- Project Interact (Action) Demonstration

Note: The subject matter content for the exhibit must correspond to the subject matter content found in the Level A or B manuals.

LEVEL C (Grades 7 – 9):

Exhibit: Choose one of the following to exhibit at the fair:

- Posters
- Notebook report

- Display board: display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three-dimensional items are attached to the board.
- Project Interact (Action) Demonstration

Note: The subject matter content for the exhibit must correspond to the subject matter content found in the Level A, B or C manuals.

LEVEL D (Grades 10 -12):

Exhibit: Choose one of the following to exhibit at the fair:

- Posters
- Notebook report
- Display board: display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three-dimensional items are attached to the board.
- Project Interact (Action) Demonstration

Note: The subject matter content for the exhibit must correspond to the subject matter content found in the Level A, B, C or D manuals.

BEEF: BEEF STARTER CALF

STATE FAIR: See Indiana State Fair guidelines for eligibility requirements.

OBJECTIVE: The purpose of this project is to boost interest and participation in the beef project. The short duration of this project should allow for more 4-H'ers to participate without the time and cost commitment of the regular beef project. 4-H'ers are encouraged to keep the calves for the following year's beef project.

MANUAL: 4-H 117R, Beef Resource Handbook (one per family)

RECORD SHEET: Grade specific. Record Sheet must be turned in at the time Beef Check-In.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/> for more information.

1. Project consists of heifers and steers born November 1 of previous calendar year to April 30 of the current year.
2. Animal must be enrolled with the Extension Office by May 15th. ***Heifers born November 1 of previous calendar year to March 31 of current calendar year may be eligible for entry at the State Fair if proper state animal enrollment guidelines are met prior to May 15th. This includes tattoos for registered heifers and 5-digit county tag and 840 RFID tag for commercial heifers. In addition the State Animal Enrollment process must be followed by May 15th.***
3. All calves will have numbered ear tag. This does not need to be a Howard County 4-H tag.
4. All cattle will be shown by weight.
5. There will be a Champion and Reserve Feeder/Prospect steer and heifer selected.
6. Feeder/Prospect calves will not be sold in the 4-H Livestock Auction.
7. Calves may **NOT** weight more than 800 pounds.
8. Calves **MUST** be halter broke.
9. There will be no fitting restrictions on Starter calves.
10. All calves must be **weaned**.
11. Maximum of two (2) calves may be exhibited per member.
12. **SHOWMANSHIP** – 4-H'ers will participate in Beef showmanship classes. For showmanship rules see the Showmanship Guidelines. This includes divisions.

BOAH HEALTH AND EXHIBITION REQUIREMENTS:

A. Limitations on Exhibition

This section describes limitations on exhibiting animals in Indiana. Other exhibition limitations may be described in the species-specific requirements that follow.

1. Failure to meet all animal health requirements will result in removal of animals from the exhibition premises.
2. The following animals are not eligible for exhibition in Indiana:
 - a. Animals that originate from a herd that is under quarantine.
 - b. An animal prohibited from exhibition under any law or order.

- c. Any animal classified as a brucellosis "suspect".
- d. Animals showing signs of any infectious or communicable disease or that are a health hazard to people or other animals.
- e. Any animal that does not meet state animal health requirements.

3. Any animal that develops or shows signs of any infectious or communicable disease during exhibition must be removed from the premises, including the surrounding exhibition grounds. An owner who is disputing the exclusion of his/her animal(s) from exhibition may not exhibit the animal in question pending any appeal.

The State Veterinarian is authorized to make the final determination as to an animal's eligibility for exhibition. The state veterinarian may order removal of any animal from the exhibition grounds.

Exhibition organizers may impose health requirements in addition to those prescribed by BOAH. Added requirements may not contradict requirements imposed by BOAH.

Exhibition organizers may have a licensed and accredited veterinarian review animals and animal health documentation during the exhibition.

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.

2. Cattle from Indiana do not need a brucellosis test or a tuberculosis test for exhibition in Indiana.

3. The following cattle from outside the state must test negative for tuberculosis within 60 days prior to the date of arrival to the exhibition:

- a. All sexually intact female dairy cattle that are 6 months of age or older that will be sold or otherwise not removed from the state within 10 days of the fair.
- b. Cattle from states that are not designated tuberculosis free by USDA must meet additional requirements for entry into Indiana. Contact the Indiana State Board of Animal Health for specific information.

4. Cattle from outside the state do not need a brucellosis test as long as the state of origin is classified as brucellosis free by USDA.

5. All cattle, including Indiana cattle, that are to be offered for sale at an exhibition must have the necessary testing and other requirements completed within 30 days prior to the sale date.

For more information on cattle health requirements, call the Indiana State Board of Animal Health at (317) 544-2400 or visit BOAH's website at: www.in.gov/boah/2394.htm.

BEEF

STATE FAIR: Separate entries are required for participation. See State Fair Guidelines for more information.

OBJECTIVE: The educational 4-H beef program and related activities (such as workshops and tours) provide youth with a fun and hands-on learning experience which develops both beef subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications). Skills are learned under the direction of caring adults.

MANUAL: 4-H 117R, Beef Resource Handbook (one per family)

RECORD SHEET: Grade level specific. Record Sheet must be turned at the time of Beef Check-In.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/> for more information.

1. All beef steers and commercial heifers must be enrolled on the county and state 4-H beef enrollment forms by tagging day. Registered purebred heifers must be enrolled, including RFID tag number, by May 15. The forms are due in the Extension Office on those respective dates.
2. All steers and heifers must be RFID tagged by the state deadline. Registered purebred heifers may receive RFID tag from BOAH. Registration papers must be presented at fair check-in.
3. Purebred heifers must have registration papers from their breed association and be identified by registration number or dam registration number and birth date at time of enrollment. In cases where a heifer is eligible to be registered but is from a dam that is not of sufficient percentage to be registered, a retinal scan or a tattoo is required.
4. **All 4-H Beef members MUST BE YQCA certified BY June 1.**
5. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
6. Enrolled animals must be owned by the 4-H exhibitor by enrollment deadline and must be under the same continuous care, responsibility, and ownership through the date of the show, except where change in ownership was to the 4-H member's complete ownership.
7. Members enrolling any steers and/or heifers in the county born and raised class must designate those animals on a separate form due with the enrollment form.
8. A 4-H exhibitor may enter and show more than one breed of heifers and steers.
9. Animals must have a readable ear tattoo identical to that on the registration certificate. Only one tattoo number for pedigree will be permitted. Only registration papers issued by the breed association will be acceptable - no photocopies or carbon copies. The registration papers must be presented at fair check-in.
10. All steers must be weighed in the county at time of enrollment so gain per day on feed can be determined.
11. All animals must be owned by the 4-H member or owned in partnership. See Rule #3 under Livestock Exhibit Rules for further information on ownership and partnership requirements.
12. Steers with horns will not be allowed to show at the county fair.
13. Dehorning of 4-H heifers of horned breeds is recommended for safety.
14. All Record Sheets are required for project completion and are due at the end of the check-in time for each. If a Record Sheet is not turned in for a Livestock Project, the project will move to the bottom of the auction order for the species. Record Sheets will not affect eligibility for State Fair.

15. All beef animals that require ear tagging must have such ear tag throughout the auction. Member may not remove ear tag.
16. The Beef Superintendent will designate a classification committee to inspect and determine final breed designation of each 4-H purebred steer at the time of weighing, with the exception of Hereford, Angus, Shorthorn, Chianina, Maine Anjou, Simmental, Salers and Red Poll steers for they have to have registration papers. If no papers are presented at the fair, they will be shown in crossbred class. The committee's decision will be final and no blood typing test results or breed association papers will be accepted. Steers sifted out will show in the crossbred class.
17. The top three (3) steers and the top three (3) crossbred heifers in each class can be retinal scanned and/or RFID tag checked and inspected by a designated official immediately after the class is judged. Animals whose retinal scan and/or RFID tag does not match the originals will be disqualified.
18. 4-H steers must have their milk teeth in place and no permanent teeth showing or evidence thereof. The Beef Superintendent will appoint a mouther whose decision shall be final.
19. All 4-H Beef exhibitors must tie their animals where designated by Beef Superintendent.
20. Read Official Health Rules, General Rules and Official Ownership Rules located in the front of this book.
21. A 4-H member must be present and show their own animal. (Refer to livestock rule #9.)
22. Muzzles and electrical prodders will not be allowed.
23. If there is a power shortage in the barns, those with more than one fan per calf on barn power will be asked to shut down to one fan per calf on barn power.
24. All fans must have proper safety approved shrouds.
25. In the event of conflict of general rules or any matter not covered by rules, the Beef Superintendent will govern in consultation with the Extension Educator.

CLASSES:

1. All registered beef heifers will be shown by breed. Heifer Breeds being offered include: Angus, Chianina, Hereford, Simmental, Limousin, Shorthorn, Crossbred, and all other breeds. No more than two animals may be entered and shown in the same heifer age group. Age groups are:
 - a. Senior Heifer Calves born September 1, 2020 to October 31, 2020.
 - b. Late Summer Yearling Heifers born July 1, 2020 to August 31, 2020.
 - c. Early Summer Yearling Heifers born May 1, 2020 to June 30, 2020.
 - d. Spring Yearling Heifers born March 1, 2020 to April 30, 2020.
 - e. Junior Yearling Heifers born January 1, 2020 to Feb 29, 2020.
 - f. Senior Yearling Heifers born September 1, 2019 to December 31, 2019.
2. Animals in the Commercial and Other Breeds heifer classes will be divided by weight rather than age. Grand Champion and Reserve Grand Champion Heifer will be selected.
3. COUNTY BORN AND RAISED HEIFER SHOW
 - a. Heifers must be born and raised in Howard County. The 4-H member must either own the heifer or purchase the heifer from a Howard County beef producer.
 - b. Any heifer which is determined not to be born in the county and/or is not being raised in the county will be ineligible to show at the Howard County 4-H Fair.
 - c. County born and raised heifers will show in the regular classes and be able to compete for Grand Champ Heifer.
 - d. There will be breed champions selected for county born and raised heifers. All breeds will show together. For example, there will be a county-bred Champion Angus heifer, County bred Champion Shorthorn heifer, etc. The winner will show in the Grand Drive. The Exhibitor will designate at weigh-in of fair week, whether the eligible animal will show in its breed class or in the county born and raised class. The animal will not be shown in both classes. A county born and raised paper must be completed and turned in, to be eligible for



the class. The Beef Committee may verify the location of the animal within the county. All eligibility decisions by the Beef Committee are final.

4. Steer classes will show by breed (including crossbred and all other breeds) and according to weight, including but not limited to: Angus, Charolais, Hereford, Limousin, Red Poll, Simmental, Shorthorn, Chianina, Maine Anjou, Salers, Crossbred, county born & raised, draw calf and all other breeds. The first place steers in each breed class will show to select that breed's Champion and Reserve Champion steer. The Champion in each breed will compete for the Grand Champion 4-H Steer. The Grand Champion's reserve will then show with the remaining Champions for Reserve Grand Champion.
5. Top 3 in heifer and steer will be in the Grand Drive.
6. An animal enrolled in a particular breed may be changed to crossbred for State Fair only before entries are made at State Fair and must meet the deadlines and identification requirements.
7. **4-H members must pre-enter all 4-H beef animals for state fair. All pre-entries must be postmarked by June 1st of the current year.**
8. **COUNTY BORN AND RAISED STEER SHOW**
 - a. Steers must be born and raised in Howard County. The 4-H'er must either own the calf or purchase the calf from a Howard County beef producer.
 - b. Any steer, which is determined not to be born in the county and/or is not being raised in the county, will be ineligible to show at the Howard County 4-H Fair.
 - c. All breeds will show together. The winner will show in the Grand Drive. The Exhibitor will designate at weigh-in of fair week, whether the eligible animal will show in its breed class or in the county born and raised class. The animal will not be shown in both classes. A county born and raised paper must be completed and turned in, to be eligible for the class. The Beef committee may verify the location of the animal within the county. All eligibility by the Beef Committee are final.
9. **COW – CALF CLASS**
 - a. Cows must be either ear tagged and retinal scanned in February for commercial heifers **OR** have a tattoo and registration number by May 15th of the current year.
 - b. The calf must have a form of identification by ear tag or tattoo.
 - c. The calf must be bred, born, and raised by a Howard County 4-H member.
 - d. The calf must be born between December 1st and May 15th of the current year. The calf must be halter broke.
 - e. Each cow-calf pair must be enrolled on the county and state 4-H beef enrollment forms by May 15th.
 - f. Limit of two cow-calf entries per 4-H member may be shown at the Howard County 4-H Fair.
 - g. Cow-calf entries must be shown by Howard County 4-H members.
 - h. Cow-calf entries are NOT eligible for Grand or Reserve Grand Champion Heifer.

SHOWMANSHIP – For showmanship rules see the Showmanship Guidelines. This includes divisions.

- a. There must be a minimum of five Dairy Cattle not owned or shown by the winning 4-H'er for the Supreme Showmanship Entrant to choose to exhibit with Dairy Cattle. If this standard is not met, the Cattle entrant will use Beef Cattle.
- b. Judge will judge separate classes of Beef and Dairy for each level of showmanship. He or She will then select, at his or her discretion, the number of entrants to bring back from each Senior Showmanship Class. He or She will use their own criteria to select the Supreme Showmanship Entrant from Cattle.
- c. Youth must select either Beef or Dairy for showmanship when entering their animals on Sunday night. No changes will be made after Noon on Monday.

BOAH HEALTH AND EXIBITION REQUIREMENTS:

A. Limitations on Exhibition

This section describes limitations on exhibiting animals in Indiana. Other exhibition limitations may be described in the species-specific requirements that follow.

1. Failure to meet all animal health requirements will result in removal of animals from the exhibition premises.

2. The following animals are not eligible for exhibition in Indiana:
 - a. Animals that originate from a herd that is under quarantine.
 - b. An animal prohibited from exhibition under any law or order.
 - c. Any animal classified as a brucellosis "suspect".
 - d. Animals showing signs of any infectious or communicable disease or that are a health hazard to people or other animals.
 - e. Any animal that does not meet state animal health requirements.
3. Any animal that develops or shows signs of any infectious or communicable disease during exhibition must be removed from the premises, including the surrounding exhibition grounds. An owner who is disputing the exclusion of his/her animal(s) from exhibition may not exhibit the animal in question pending any appeal.

The Cattle Committee and Extension Educator are authorized to make the final determination as to an animal's eligibility for exhibition. The state veterinarian, Cattle Committee, or Extension Educator may order removal of any animal from the exhibition grounds.

Exhibition organizers may impose health requirements in addition to those prescribed by BOAH. Added requirements may not contradict requirements imposed by BOAH.

Exhibition organizers may have a licensed and accredited veterinarian review animals and animal health documentation during the exhibition.

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.

2. Cattle from Indiana do not need a brucellosis test or a tuberculosis test for exhibition in Indiana.

3. The following cattle from outside the state must test negative for tuberculosis within 60 days prior to the date of arrival to the exhibition:

- a. All sexually intact female dairy cattle that are 6 months of age or older that will be sold or otherwise not removed from the state within 10 days of the fair.
- b. Cattle from states that are not designated tuberculosis free by USDA must meet additional requirements for entry into Indiana. Contact the Indiana State Board of Animal Health for specific information.

4. Cattle from outside the state do not need a brucellosis test as long as the state of origin is classified as brucellosis free by USDA.

5. All cattle, including Indiana cattle, that are to be offered for sale at an exhibition must have the necessary testing and other requirements completed within 30 days prior to the sale date.

For more information on cattle health requirements, call the Indiana State Board of Animal Health at (317) 544-2400 or visit BOAH's website at: www.in.gov/boah/2394.htm.

BEEKEEPING

STATE FAIR ENTRY: One State Fair entry is eligible from Beekeeping 1 that fits requirements. There is no limit on the number of entries from Division 2 – 10.

OBJECTIVE: This project is for boys and girls interested in modern methods of beekeeping. You will study the fundamentals of beekeeping and management of honey.

EXHIBIT INTRODUCTION

Create an exhibit that shows the public what you learned in the beekeeping project this year. All displays and posters should be a 22" x 28" poster board with stiff backing displayed horizontally and covered with plastic or transparent material. Choose one of the topics listed below, appropriate for your grade in school, and **use that topic** for your exhibit title, so the judges know which activity you completed. You can use a creative sub-title if you wish.

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H members exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Notes:

- There are no age specifications for beekeeping exhibits.
- No Bee hives may be brought to the State Fair.
- Honey water content will be measured.
- Fill Level: the honey should be filled to the jar shoulder, not over, nor under
- Chunk honey should go in a wide-mouth jar, preferably one specially made for chunk honey (see beekeeping catalogs).
- Be careful to distinguish "chunk honey" (comb in jar) from "cut comb" (comb only in box).
- Honey (including chunk, cut comb and comb) must be collected since the previous county fair.

REQUIREMENTS

DIVISION 1 – (may do 1 - 2 years) 4-H 571, ONE State Fair entry per county: Learn the types of bees, the honey and wax they produce, the plants that attract bees, and the equipment a beekeeper needs.

MANUAL: 4-H 571- W Understanding the Honey Bee

RECORD SHEET: 4-H 571 A – W



EXHIBIT: Present one of the following topics on a poster, as specified above. Turn in completed record sheet. If a Record sheet is not turned in for a Building Project, that project will lose the top ribbon received.

1. **Flowers Used to Make Honey:** display pressed flowers from 10 different Indian Plants that bees use for making honey.
2. **Uses of Honey and Beeswax**
3. **Setting up a Bee Hive**
4. **Safe handling of Bees**
5. **Any other beekeeping related topic.**

DIVISION 2 – (may do 1 - 2 years) 4-H 586. There is no limit on the number of exhibits a county may enter in Division 2, but only one exhibit per 4-H member is allowed at the State Fair: Learn the basic care of a beehive throughout the year. Carry out the basic beekeeping operations that result in the production of extracted, chunk, or

cut comb honey. Turn in completed record sheet. If a Record Sheet is not turned in for a Building Project, that project will lose the top ribbon received.

MANUAL: 4-H 586- W Working with Honey Bees

RECORD SHEET: 4-H 586 A – W

EXHIBIT

1. **Extracted honey:** 2 one-pound jars, shown in glass or clear plastic, screw-top jars holding 1 pound of hone each.
2. **Chunk honey:** (comb in jar) 2 one-pound jars (wide-mouth glass or clear plastic).
3. **Cut-comb honey:** 2 one-pound boxes (these are usually 4 ½" x 4 ½ "in size)
4. **Working with Honey Bees:** Present a topic from your manual to teach fair goers about working with honey bees. Use your knowledge and creativity to display this information on a poster or in a notebook. Posters must follow the guidelines listed above.

DIVISION 3 and above (may do multiple years) 4-H 593. There is no limit to the number of exhibits a county may enter in Division 3 and above, but only one exhibit per member is allowed at the State Fair: Keep any number of colonies desired. Perform the jobs necessary for proper care. Produce both comb and extracted honey.

MANUAL: 4-H 593 Advanced Beekeeping Methods

RECORD SHEET: 4-H 593 A – W

EXHIBIT: Two (2) of the four kinds of honey listed below (#1-4) or prepare an educational display about honey bees or beekeeping (#5). Turn in a completed record sheet. If a Record Sheet is not turned in for a Building Project, that project will lose the top ribbon received.

1. **Extracted Honey:** 2 one- pound jars (glass or clear plastic).
2. **Chunk Honey:** 2 one-pound jars (wide-mouth glass or clear plastic).
3. **Cut-comb Honey:** 2 one-pound boxes. Boxes are usually 4 ½" x 4 ½".
4. **Comb Honey:** 2 sections. (honey refers to honey built by bees in frames of wood commonly called "sections." These are usually about 4 ½ " x 4 ½ " in size).
5. **Prepare an educational display** about honey bees or beekeeping.

INDEPENDENT STUDY (Grades 9 – 12), one State Fair Entry

EXHIBIT: Turn in a completed record sheet and one of the following:

1. Advanced topic - Learn all you can about a beekeeping topic and present it on a poster. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster, "**Advanced Beekeeping – Independent Study.**" Record Sheet (4-H-NR-AT) Independent Study: Advanced Topic Natural Resource Project.
2. Mentoring - Exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "**Advanced Beekeeping - Mentor.**" Record Sheet (4-H-NR-M) Independent Study: Mentoring Natural Resource Projects.

BICYCLE

STATE FAIR: NO

MANUALS: Bicycle 1-Bicycling for Fun (BU-8334), Bicycle 2-Wheels in Motion (BU-8335).

The **County Bicycle Rodeo** will be divided into two (2) categories; Junior: Grades 3 – 7 and Senior: Grades 8 – 12. You are not required to participate in the County Bicycle Rodeo for completion. **Turn in your completed manual at the Rodeo for completion.**

PROJECT REQUIREMENT FOR ALL DIVISIONS:

1. Every 4-H Bicycle member should receive a copy of the bicycle rodeo rules, sample test questions, and driving course outline in June. Check out bicycle website <http://www.four-h.purdue.edu/bicycle/>
2. Also, each member should receive manual; as questions on test can come from every manual.
3. Complete a minimum of three (3) of the suggested activities in your project manual each year.
4. All riders will take a written exam and a test on parts, tools, and accessories.
 - a. All quiz questions will be from the 4-H bicycle manuals.
 - b. State traffic rules and regulations pertaining to the operation of bicycles will be covered.
5. Complete a maintenance safety check.
6. All riders will be required to wear a safety helmet in the rodeo.
7. Turn in your completed project manual at the Bicycle Rodeo to complete the project.

EXHIBIT: Participate in the County 4-H Bicycle Rodeo and bike inspection at the Howard County 4-H Fair.

CAKE DECORATING

STATE FAIR ENTRY: One state fair entry is eligible in each division of Cake Decorating that fits requirements.

DIVISIONS/LEVELS: *Division of entry is NOT determined by grade but by SKILL LEVEL.*

Beginners	May be taken for 3 years.
Intermediate	May be taken for 3 years.
Advanced	May be repeated.

OBJECTIVE: This project will provide "how to" information for making and using icing as decoration for cakes, cookies, etc. This activity, which can be enjoyed by families and friends, also is an introduction to a money making skill and career.

MANUALS: (4-H -1053) The Wilton Method of Cake Decorating Course 1: Building Buttercream Skills (grades 3-5),
(4-H -1054) The Wilton Method of Cake Decorating Course 2: Flowers and Cake Design (grades 6-8),
(4-H -1055) The Wilton Method of Cake Decoration Course 3: Fondant and Gum Paste (grades 9-12)

RECORD SHEET: (4-H 710a-W) Cake Decorating Record Sheet

CAKE DECORATING SKILLS SHEET (4-H 710)

INDIANA 4-H CAKE DECORATING SKILLS AND TECHNIQUES, 4-H 710A SHEET

EXHIBIT INTRODUCTION:

The cake decorating subject provides skills-based educational experiences that provide an opportunity for mastery before building on that experience to develop more advanced skills. This subject area is divided into three levels: Beginner (Grades 3-5), Intermediate (Grades 6-8), and Advanced (Grades 9-12). While the defined grades are intended to be a guide, older youth enrolled in this subject for the first time may start in a lower grade skill level with permission by the county extension educator, followed by an appropriate level the following year. .

Skills and techniques demonstrated should be age/grade appropriate. While it is not to say a beginner level member cannot master an advanced level skill, it would be rare and unique. Therefore, exhibited cakes must demonstrate the minimum five techniques from their given level outlined in Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A, but may also include higher/lower level techniques that have been mastered. Any higher/lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. All exhibited cakes must be created using a Styrofoam, foam or other solid dummy. Unless otherwise stated, cakes are to be iced using royal icing or buttercream. Buttercream icing will not withstand environmental conditions and may become soft, melt, not withhold its shape, and colors may bleed when being displayed an extended period of time. When displaying a cut-up cake or tiered cake, the exhibitor must include a diagram and description indicating how the cake was assembled. This diagram and description can be attached to or written on the skills sheet. All exhibits must include a completed Cake Decorating Skills Sheet (4-H 710) and must accompany the cake for the judge's reference during judging.

BEGINNER LEVEL (Grades 3-5)

- Cakes must be on a cake board approximately 3/8" thick and 2"- 4" larger than the cake. For example, if the cake is 8" round, then the cake board must be 10"-12" in diameter.
- The cake board must be neatly covered and well taped or otherwise attached underneath.
- Cakes exhibited in the beginner level are to be a single tier/ layer, no more than 5" tall, and may be round, square, or rectangular and the cake board is to be no more than and 12"x12".

- A minimum of five beginner level skills are to be demonstrated.
- A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.
- All Record Sheets are required for project completion and are due at check-in time for each individual project. If a Record Sheet is not turned for a Building Project, that project will lose the top ribbon received.
- Turn in completed **Cake Decorating Exhibit Skills Sheet 4-H 710**

INTERMEDIATE LEVEL (Grads 6-8)

- Cakes must be on a cake board approximately 3/8" thick and 2"- 4" larger than the cake. For example, if the cake is 9"x13" rectangular, then the cake board must be 11"x15" to 13" x 17" rectangular.
- The cake board must be neatly covered and well taped or otherwise attached underneath.
- Cakes exhibited in the intermediate level are to be a single or double tier/ layer, no more than 12" tall and may be any shape.
- Youth may choose to decorate an inverted (upside down) character pan, create a 3-dimensional cake. It is also permissible to cut-up pieces of Styrofoam, foam, or other solid material to create a new shape, like a butterfly or castle for example.
- The cake board is to be no more than 24"x24".
- A minimum of five intermediate level skills are to be demonstrated and the cake may include additional skills from the beginner level.
- A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A Sheet.
- All Record Sheets are required for project completion and are due at check-in time for each individual project. If a Record Sheet is not turned for a Building Project, that project will lose the top ribbon received.
- Turn in completed **Cake Decorating Exhibit Skills Sheet 4-H 710**

ADVANCED LEVEL (Grades 9-12)

- Cakes must be on a cake board approximately 1/2" thick and 4" larger than the base cake. For example, if the cake is 26" round, then the cake board must be 30" in diameter.
- The cake board must be neatly covered and well taped or otherwise attached underneath.
- Cakes exhibited in the advanced level may be multiple layer and/or tiered and may include multiple cakes, like a wedding cake.
- Youth may choose to create a character or 3-dimensional cake by cutting-up pieces of Styrofoam, foam, or other solid material to create a new shape.
- Dowel rods, plates, etc. should be used to support multiple layers and tiers.
- Fondant icing and gum paste is permissible.
- Cakes may be any shape, no more than 36" tall and the cake board is to be no more than 36"x36".
- A minimum of five advanced level skills are to be demonstrated and the cake may include additional skills from the beginner and intermediate levels.
- A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.
- All Record Sheets are required for project completion and are due at check-in time for each individual project. If a Record Sheet is not turned for a Building Project, that project will lose the top ribbon received.
- Turn in completed **Cake Decorating Exhibit Skills Sheet 4-H 710**

CAT: CAT POSTER

STATE FAIR ENTRY: One State Fair entry per level is eligible that fits requirements.

OBJECTIVE: To promote educational displays by 4-H members who enjoy developing a poster exhibit.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: BU-8148 (Grades 3 – 5) Purr-fect Pals; BU-8149 (Grades 6 – 8) Climbing Up; BU-8150 (Grades 9 – 12) Leaping Forward

PROJECT MANUALS:

- **Completed project manual and Livestock Record Sheet LIV-10-13 must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities.

PROJECT EXHIBIT REQUIREMENTS:

1. Exhibit a poster with a topic from your grade level.
2. Proper footnoting must be used with all reference material. Attach a 3" x 5" card to the backside of the poster listing the references.
3. Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and exhibit card attached.

The following suggestions are ideas for development of an educational cat poster. 4-H members are not limited to the topics listed below but should be grade appropriate.

- **Level 1 (Grades 3 – 5):** cat care, cat breeds, litter-training, treating my cat with care and respect, cat responsibilities, grooming skills, training my cat, neutering/spaying, determining cat costs, traveling with my cat, my cat's safety.
- **Level 2 (Grades 6 – 8):** national cat fancier associations, a cat clinic, training with extra praise, careers related to cats, should my cat have kittens?, feeding my cat, things I've learned, insect pests, symptoms of ill health, my visiting pet therapy program, cats get old too!, saying good-bye.
- **Level 3 (Grades 9 – 12):** understanding a cat show, planning a cat business, cat genetics, cat organs and systems, exploring careers, learning about leadership, teaching others, having fun learning, protecting our environment, issues of animal welfare/rights.

CAT

STATE FAIR: Separate entries must be made to participate. See State Fair Guidelines for more information.

OBJECTIVE: The 4-H Cat Project provides youth a fun and hands-on learning experience that develops life skills, as well as teaches valuable information about properly caring for their animal. Subjects such as general care, nutrition housing, and health care are presented in the curricular materials, through workshops and in preparation of an exhibit. Youth also have the opportunity to develop responsibility, decision-making, nurturing, and communication skills through active participation in the 4-H Cat Project.

MANUALS: BU-8148 (grades 3 – 5) Purr-fect Pals; BU-8149 (grades 6 – 8) Climbing Up; BU-8150 (grades 9 – 12) Leaping Forward

VACCINATION FORM: 4-H 777-W Certification of Vaccination

PROJECT MANUALS:

- **Manuals must be turned in when you check-in your 4-H project.**
 - Each year, members must complete at least three (3) activities in the project manual. .
 - If a member is taking the Cat Poster project along with this project, they need only to do a total of three (3) activities as the manuals used are the same for both projects.
1. Each 4-H member must be enrolled in the Cat Project by May 15th.
 2. Each 4-H member may show only his or her own cat or a family cat. Only one regular 4-H member may show each cat. Mini 4-H'ers must provide a cat on the day of show, and are permitted to use a regular 4-H'ers cat to show. This is the only instance where a cat may be shown by multiple entrants.
 3. A 4-H member may exhibit only one shorthair cat, one longhair cat, and one kitten in this project, a total of no more than three (3) animals per 4-H'er. Substitution of cats **will not** be permitted on the day of the show.
 4. To be eligible, the cat must be in the member's possession by May 15th and the animal enrollment form turned into the Extension Office by May 15th.
 5. The cat may be either purebred or a household pet.
 6. All cats are required to have had Rabies, Panleukopenia, Rhinotracheitis, and Calcivirus vaccinations before they will be allowed to enter the 4-H Cat Show. Cats must also have been tested for Feline Leukemia within 180 days prior to the day of exhibition or had the Feline Leukemia vaccination in the calendar year.
 7. Fecal parasite exam, Heartworm consultation, and Feline Immunodeficiency Virus test are highly recommended procedures, but not mandatory for the Howard County 4-H Fair.
 8. The cat must be fed and cared for by the 4-H member.
 9. All cats must have met the above mentioned health requirements and **a health certificate signed by a licensed, accredited veterinarian must be presented at check-in** or uploaded into Fair Entry by May 15th.
 10. **All cats will come to the show in a cage or crate and leave in their cage or crate. The only time the animal should be removed from the cage is when they are showing or for last minute grooming. While**

animals are outside of their cage or crate, they must be in a non-releasing harness or collar with an attached leash. Failure to have a collar or harness with an attached leash will result in the animal not being exhibited at the 4-H Cat Show.

11. Must provide own mat if a mat to show is to be used. Examples are available for purchase at the Extension Office. Contact the Cat Superintendent or the Extension Educator.
12. All cats must have claws clipped or be declawed.
13. The cat will be removed from its cage during judging. The 4-H member will stay and watch his or her cat being judged, then return the cat to its cage. If a cat is not on the judging table at the time its class is judged, the cat will not be judged. While animals are outside of their cage or crate, they must be in a non-releasing harness or collar with an attached leash. Failure to have a collar or harness with an attached leash will result in the animal not being exhibited at the 4-H Cat Show.
14. Cats will be classed according to (1) Cage Decoration, (2) Kitten Class, (3) Short Hair Breed, and (4) Long Hair Breeds.
15. For exhibition at the county fair, the cat must be accompanied by proper health papers and a 4-H cat project record sheet. The record Sheet cannot be turned in after check-in. Failure to do so will result in the animal losing one ribbon placing.
16. Any member can turn in a completed project record sheet at the county cat show to complete the project. This is especially true if the cat is in season. **Cats in season, pregnant or lactating are not allowed to be exhibited.**

CLASSES: Long Hair, Short Hair, Cat Costume and Showmanship

Long Hair:

1. Junior: 4-H member in grades 3-5 as of May 15th.
2. Intermediate: 4-H member in grades 6-8 as of May 15th.
3. Senior: 4-H member in grades 9-12 as of May 15th.

Short Hair

1. Junior: 4-H member in grades 3-5 as of May 15th.
2. Intermediate: 4-H member in grades 6-8 as of May 15th.
3. Senior: 4-H member in grades 9-12 as of May 15th.

Cage Decoration

TBD

Kitten Class:

- All divisions show together.

Showmanship: For showmanship rules see the Showmanship Guidelines. This includes divisions.



CHILD DEVELOPMENT

STATE FAIR ENTRY: One State Fair entry per level is eligible from Child Development that fit requirements.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 – 6	Level D	Grades 10 – 12

PLEASE NOTE:

Exhibit Categories for ALL Levels; choose one of the following:

- Poster:** All posters must be 22" x 28", with a stiff backing displayed horizontally and covered with clear plastic. See poster requirements at the beginning of this book.
- Binder notebook:** Exhibit card is to be on the front of the binder. A title page should be inside binder naming the activity (or activities in Level C & D). Pages of activity and explanation to follow title page and photographs are helpful to show the activity being used or assembled. Optional: Plastic sheet protectors, page decorations, binder cover decoration, etc.
- Display:** May be table top or floor style, not to exceed 36" (h) x 36"(w) x 36"(d) (Display may include item(s) made in the activities you completed this year.) Must be self-supporting to be viewed by the public.
- Project Interact:** There are some ideas that would be good for demonstrations in the manual. A checklist for a good action demonstration is included in the manual. (Formerly Action Demonstration.)

Each Level (A, B, C, D) of the Child Development project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project.

LEVEL A (Grades 3 – 4):

MANUAL: (4-H 973) Building a Bright Beginning

EXHIBIT requirements:

- Manual with at least three (3) activities completed each from a different chapter.
- Turn in manual and completed record sheet.
- Exhibit ONE of the following:**
 - Choose one activity that you completed in this level. Design a 22 x 28-inch poster or a binder notebook that shows or tells what you did with this activity.
 - Create a display no larger than 36(h) x 36(w) x 36(d) inches using one of the activities from your project manual. **Complete an Activity Card and attach it to the exhibit.** A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.

LEVEL B (Grades 5 – 6):

MANUAL: (4-H 974) Building Blocks of Learning

EXHIBIT requirements:

- Manual with at least three (3) activities completed each from a different chapter.
- Turn in manual and completed record sheet.
- Exhibit ONE of the following:**
 - Choose one activity that you completed in this level. Design a 22 x 28-inch poster or a binder notebook that shows or tells what you did with this activity.
 - Create a display no larger than 36(h) x 36(w) x 36(d) inches using one of the activities from your project manual. **Complete an Activity Card and attach it to the exhibit.** A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.



LEVEL C (Grades 7 – 9):

MANUAL: (4-H 975) Building a Strong Foundation

EXHIBIT requirements:

1. Manual with at least three (3) activities completed each from a different chapter.
2. Turn in manual and completed record sheet.
3. Exhibit ONE of the following:
 - a. Design a 22 x 28 inch poster based on one of the activities you completed in your manual or one that promotes physical, emotional or cognitive skills.
 - b. Exhibit a binder notebook that includes the information from one of the activities you completed this year.
 - c. Create a display no larger than 36 x 36 x 36 inches using one of the activities from your project manual or one that promotes physical, emotional or cognitive skills. **Complete an Activity Card and attach it to the exhibit.** A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.

LEVEL D (Grades 10 – 12):

MANUAL: (4-H 976) Building Relationships toward a Brighter Tomorrow

EXHIBIT requirements:

1. Manual with at least three (3) activities completed each from a different chapter.
2. Turn in manual and completed record sheet.
3. Exhibit ONE of the following:
 - a. Design a 22 x 28 inch poster based on one activity you completed in your manual or one that promotes physical, emotional, or cognitive skills.
 - b. Exhibit a binder notebook that includes the information from one of the activities you completed this year.
 - c. Create a display no larger than 36 x 36 x 36 inches using one of the activities from your project manual or one that promotes physical, emotional, or cognitive skills. **Complete an Activity Card and attach it to the exhibit.** A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.

COLLECTIONS

STATE FAIR ENTRY: None.

OBJECTIVE: 4-H can help you start or continue a collection of items that are interesting to you. You may choose any type of article you desire to collect. Choose an item suitable with your level and interest.

MANUAL: Howard County Collections (used all years in project)

RECORD SHEET: Collections Record Sheet and Collection Data Information Form

PROJECT REQUIREMENTS:

1. You may choose any type of article you desire. However, no alcoholic beverages or obscenities are to be represented.
2. Record sheets are to be displayed with your collection at the county fair for judging.
3. Because of space and display restrictions, no living plants or animals may be displayed as a collection. Your story and record of your collections will be considered and judged as an important part of your collection exhibit. This is your collection and your project.
4. In all divisions if the collection is too large or valuable to exhibit, a notebook containing photos and descriptions of your collection can be exhibited, with or in place of your collection. Photo quality will not be judged, but they should be clear, sharp photos if possible. All photos should be neatly arranged, labeled and mounted in a notebook with the completed record sheets. An exhibit may be brought for judging and then taken home at the completion of judging if deemed valuable. However, if this is done, a notebook with photos must remain for exhibit.
5. It is recommended that your project be covered in some way for display, such as clear plastic, under glass, etc.
6. Level is based on grade at enrollment time.
7. Collection must be labeled.

EXHIBIT:

Your collection can be exhibited in one or the following ways:

- A. **Your collection exhibit is not to exceed a table area of 24 "x 24" x 24". Note that if your exhibit is larger than the indicated size, the exhibit will be dropped one (1) ribbon.**
- B. A horizontal poster 22" x 28" or
- C. A three (3) ring notebook.

DIVISIONS/LEVELS:

LEVEL 1 (Grades 3 – 5):

Exhibit: A portion or example of the collection. Completed record sheet and Collection Date Information Form must accompany exhibit in a binder or notebook. Items exhibited must be numbered and correspondingly numbered on the Collection Date Information Form.

LEVEL 2 (Grades 6 – 8):

Exhibit: A new collection or a continuation of Level 1 collection. Completed record sheet and Collection Date Information Form must accompany exhibit in a binder or notebook. Items exhibited must be numbered and correspondingly numbered on the Collection Date Information Form.

LEVEL 3 (Grades 9 – 12):

Exhibit: A continuation of previous Level or a new collection. Completed record sheet and Collection Date Information Form must accompany exhibit in a binder or notebook. Items exhibited must be numbered and correspondingly numbered on the Collection Date Information Form.

COMPUTER: COMPUTER ARTS

STATE FAIR ENTRY: None.

MANUAL: County Manual Computer Arts (used all years in project)

RECORD SHEET: Computer Arts Record Sheet

OBJECTIVE: This project is designed for 4-H members to use their creativity and computer skills to develop artistic projects on the computer. Any computer program can be used.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

EXHIBIT FOR ALL LEVELS:

1. You have the option of displaying your design on a poster or in a notebook.
 - a. NOTE: Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and include the title "Computer Arts" and your Level in the project.
2. A completed record sheet must accompany your project.

Each Level (1, 2, and 3) of the Computer Arts project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project.

LEVEL 1 (Grades 3 – 5): Design two of the following in any combination. You can do two of the same item.

- a. Banner
- b. Certificate
- c. Greeting Card
- d. Business Card
- e. An Event Ticket

LEVEL 2 (Grades 6 – 8): Design one of the following:

- a. Plan a party and create an invitation, place cards, and a game for your party
- b. Create a flyer to promote an imaginary company or business.
- c. Make a T-shirt design. You do not need to transfer it to the T-shirt.
- d. Design a magazine cover.
- e. Create your own personal stationary and matching envelopes.

LEVEL 3 (Grades 9 – 12): Design one of the following:

- a. A 12-month calendar for the upcoming year; Include graphics, holidays, and dates of importance to you.
- b. A book for small children.
- c. A building plan for a new house.
- d. Develop a new product and design advertising for your product.
- e. A menu to promote a new restaurant.
- f. A vacation resort brochure.
- g. A promotional brochure for any large city.
- h. A promotional brochure for any sports team.

COMPUTER

STATE FAIR ENTRY: A county may submit a total of three state fair entries, one entry per grade level division.

OBJECTIVE: Computer project goals are to acquaint and educate the user with terminology, functions, usage, capabilities and structure of computers. The 4-H member will have an opportunity to program by being creative and designing programs to meet needs of family and/or themselves.

DIVISIONS/LEVELS:

Beginner	Grades 3 – 5
Intermediate	Grades 6 – 8
Advanced	Grades 9 – 12

Exhibits are to be skill appropriate for the member's grade level.



PLEASE NOTE:

Youth enrolled in the computer project will select one of the below subject categories to study, regardless of grade. Youth may choose to create an exhibit demonstrating skills learned during the year. Check with your county Purdue Extension Office to determine if a computer will be available during judging and if there will be an opportunity to explain your exhibit to the judge. Exhibits qualifying for state fair are to be submitted on a thumb drive securely attached to a notebook/portfolio describing accomplishments, skills learned, design ideas, budget, a summary of what was done, screenshots showing the development and final project, etc. as the exhibitor will not be able to discuss their work with a judge. Poster exhibits 22" x 28" or freestanding 3-dimensional display boards no larger than 36"x36" may be submitted. Youth may continue in the same subject category in subsequent years expand on the previous year's topic, or choose a new topic. Subject categories are:

- Block Based Programming
- Text Based Programming
- Web Design and Computer Entrepreneurship
- Computer Forensics
- Hardware and Networking Design/Install/Repair
- Graphic Design and Computer Art

Software submitted to be reviewed by a judge must be compatible on both PC and Mac platform. If additional software other than Microsoft Office Suite is required to view the member's work, that software must be provided by the member and comply with all manufacturer copyright laws. Apps can be Android or IOS compatible.

All notebooks/portfolios must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be the last page of a notebook or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

BLOCK BASED PROGRAMMING:

Beginner – Grades 3-5 – Create a block-based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- Sequence
- Iteration
- Conditionals
- Variables
- Loops
- User input

- Any other similar skill

Intermediate Grades 6-8 – Create a block-based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- More robust demonstration of beginner skills
- Modularization
- Lists
- Any other similar skill

Advanced Grades 9-12 – Create a block-based program using Scratch, Code Studio, Alice, or another graphic programming language of your choice. You should comment your work and it must include at least ten different commands. Skills this program could use are:

- More robust demonstration of Intermediate Skills
- Parameters
- Recursion
- Any other similar skill

TEXT BASED PROGRAMMING

Beginner Grades 3-5 – This option is not available.

Intermediate Grades 6-8 - Create a text-based program of your choosing using any text-based language you are comfortable in. The code should demonstrate an understanding of at least 4 of these skills:

- Commenting
- Correct syntax
- Variables
- Loops
- Conditionals
- User Input
- Lists
- Functions
- Algorithms
- Any other similar skill

Advanced Grades 9-12 - Create a text-based program of your choosing using any text-based language you are comfortable in. The code should demonstrate an understanding of at least 8 of these skills:

- A more robust understanding of the intermediate skills
- Interact with databases
- Classes
- Objects
- Methods
- Inheritance
- Integrate multiple languages into one program

- Any other similar skills

WEB DESIGN AND COMPUTER ENTREPRENEURSHIP

Beginner Web Design and Computer Entrepreneurship – Grades 3-5 - Build a website demonstrating a knowledge of:

- Use a website builder to create your website
- Insert non-stock image into your site
- Use a template to achieve a unified look
- Explain CSS in your documentation, what CSS is and why it's important
- Must have at least two pages and include all items listed above

Intermediate Web Design and Computer Entrepreneurship – Grades 6-8 - Build a website demonstrating a knowledge of:

- Create your own site or use a website builder
- Modify existing HTML
- Use HTML5
- Modify existing CSS
- Have a unified theme throughout
- Use a photo editing software to create custom images
- Must have at least five pages and include all items listed above

Advanced Web Design and Computer Entrepreneurship – Grades 9-12 - Build a website demonstrating a knowledge of:

- Create a custom site using appropriate industry tools
- Have a responsive website
- Add useful and appropriate plugins
- Test for and eliminate bugs
- Include links for social media
- Include custom audio/video
- Must have at least ten pages and include all items listed above

COMPUTER FORENSICS (id theft, online bullying, ethical use of technology, responsible social media use)

Beginner Computer Forensics – Grades 3-5 – Research and create a 3-5-minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Media Balance and Well Being
- Privacy and Security
- Digital Footprint and Identity
- Relationships and Communication
- Cyberbullying, Digital Drama and Hate Speech
- News and Media Literacy
- Any other similar topic

Intermediate Computer Forensics – Grades 6-8 – Research and create a 6-8-minute presentation on one of the

following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Digital Citizenship:
 1. Media Balance and Well Being
 2. Privacy and Security
 3. Digital Footprint and Identity
 4. Relationships and Communication
 5. Cyberbullying, Digital Drama and Hate Speech
 6. News and Media Literacy
- Cyber Security
 1. Ethics and Society
 2. Security Principles
 3. Classic Cryptography
 4. Malicious Software
 5. Physical Security
 6. Web Security
- Any other similar topic

Advanced Computer Forensics – Grades 9-12 – Research and create a 10-12-minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

- Digital Citizenship:
 1. Media Balance and Well Being
 2. Privacy and Security
 3. Digital Footprint and Identity
 4. Relationships and Communication
 5. Cyberbullying, Digital Drama and Hate Speech
 6. News and Media Literacy
- Cyber Security
 1. Ethics and Society
 2. Security Principles
 3. Classic Cryptography
 4. Malicious Software
 5. Physical Security
 6. Web Security
- Any other similar topic

HARDWEAR AND NETWORKING Design/Install/Repair

Beginner – Grades 3-5 – Choose 1-2 items from the list and create a report/presentation (including images) of what you did.

- Deconstruct and reconstruct a computer
- Learn and report how binary works and how computers use numbers
- Troubleshoot hardware problems
- Explore operating systems
- Investigate open source resources
- Install/upgrade operating systems
- Design a dream machine (give reasons)
- Any other similar design/install/repair

Intermediate – Grades 6-8 – Choose 1-2 items from the list and create a report/presentation (including images) of what you did.

- Identify network hardware
- Design a computer network
- Explain Internet Protocol
- Explain different types of servers
- Use different protocols to communicate
- Add peripherals to a network
- Secure a networked computer
- Share applications simultaneously
- Setup a Raspberry Pi or other micro-controller
- Any other similar design/install/repair

Advanced – Grades 9-12 - Choose one or two items from the list and create a report/presentation (including images) of what you did.

- Design and implement a computer network
- Secure your network
- Understand technology needs in your community.
- Help to solve these needs by organizing a committee or team to work on identified issues.
- Teach a computer science class to younger 4-Hers.
- Build your dream computer
- Network multiple micro-controllers
- Research careers in technology
- Any other similar design/install/repair

Graphic Design and Computer Art

There are three divisions; Beginner (Grades 3-5), Intermediate (Grades 6-8) and Advanced (Grades 9-12). Youth are to use a software program to create or design an item that requires graphic design or artistry. The name of the software and version is to be included with the exhibit. Exhibits are to be age/grade appropriate. Ideas include, but are not limited to, the following:

- Logo design
- T-shirt or apparel screen printing design
- Promotional brochure
- Marketing materials
- Computer generated art
- Computer altered photographs/images – Photographs taken by the 4-H member and altered by the 4-H member using a computer are to be entered in the Photography project as a creative/experimental exhibit. Youth must obtain permission from the owner before altering someone else's photograph/image and include a copy of that permission with the exhibit to insure there is no copyright violation.

CONSUMER CLOTHING

STATE FAIR ENTRY: One State Fair entry per level is eligible from Consumer Clothing based on the notebook evaluation that fit requirements.

OBJECTIVE: 4-H Consumer Clothing educational materials are designed to teach clothing selection, wardrobe planning, care of clothing, and personal grooming. Included are activities to be completed at home and in stores. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H members exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

** For personal safety concerns, notebooks exhibited should only contain name, county, grade, level and club, and no personally identifiable information such as mailing address or phone number.

DIVISIONS/LEVELS:

<i>Beginner</i>	Grades 3 – 5
<i>Intermediate</i>	Grades 6 – 8
<i>Advanced</i>	Grades 9 – 12

PROJECT REQUIREMENTS:

1. Notebooks **MUST**:
 - a. Be in ink or typed
 - b. Include pictures
 - c. Be a 3-ring binder.
 - d. The outside cover of the notebook must also include a picture of the member wearing the outfit.
2. Turn in completed 4-H 751-W Consumer Clothing Record Sheet.
3. Division is based on grade at enrollment time. Notebooks will be turned in prior to modeling check in.
4. Modeling: Consumer Clothing is part of Fashion Revue. Modeling requirements are to be completed during pre-fair judging with Fashion Revue as well as the public viewing during the fair.

Each Level (Beginner, Intermediate, and Advanced) of the Consumer Clothing project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project. Also building upon your notebook and add previous year's work per level.

BEGINNING CONSUMER CLOTHING (Grades 3 – 5): In Beginning Consumer Clothing you will learn to: Identify characteristics of good fit; Identify primary and secondary colors; read and understand labels; practice clothing care; and practice good grooming habits.

MANUAL: 4-H 730 Consumer Clothing Beginning

<https://www.extension.purdue.edu/extmedia/4H/4-H-730-W.pdf>

RECORD SHEET: 4-H 751-W Consumer Clothing Record Sheet

<https://extension.purdue.edu/4h/Documents/Resources/4-H-751-W.pdf>

EXHIBIT REQUIREMENTS

1. Complete one activity from each group in manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.
2. Help purchase an item of clothing that will be worn with other clothes in your wardrobe (for example, slacks, blouse, jeans, shirt, sweater, sweat shirt). Select an accessory that goes with your purchase, such as shoes, sweat band, belt, jewelry, socks, etc.
3. Model your outfit before a group.

4. Turn in your **completed notebook and record sheet** at fashion revue judging. It is **required** that consumer clothing outfits be exhibited at the fair.

INTERMEDIATE CONSUMER CLOTHING (Grades 6 – 8): In Intermediate Clothing Selection you will learn to: Identify the role clothes play in identifying you; recognize becoming styles for you; recognize signs of quality in clothing; learn color terminology; help with the family laundry; and gain information about various cosmetics.

MANUAL: 4-H 731 Consumer Clothing Intermediate

<https://www.extension.purdue.edu/extmedia/4H/4-H-731-W.pdf>

RECORD SHEET: 4-H 751-W Consumer Clothing Record Sheet

<https://extension.purdue.edu/4h/Documents/Resources/4-H-751-W.pdf>

EXHIBIT REQUIREMENTS

1. Complete one activity from each group in the manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.
2. Purchase and accessorize a casual or school outfit. Accessories may be purchased or from items you already own.
3. Model your outfit.
4. Turn in your **completed notebook and record sheet** at fashion revue judging. It is **required** that consumer clothing outfits be exhibited at the fair.

ADVANCED CONSUMER CLOTHING (Grades 9 – 12): In Advanced Clothing Selection you will learn to: Recognize patterns, fabrics, and colors that are becoming for you; make needed clothing repairs; plan and select clothes for your total wardrobe; and analyze cosmetic advertising claims and read labels.

MANUAL: 4-H 732 Consumer Clothing Advanced

<https://www.extension.purdue.edu/extmedia/4H/4-H-732-W.pdf>

RECORD SHEET: 4-H 751-W Consumer Clothing Record Sheet

<https://extension.purdue.edu/4h/Documents/Resources/4-H-751-W.pdf>

EXHIBIT REQUIREMENTS

1. Complete one activity from each group in the manual. Write your results or answers in a notebook. Label each activity. This will help you talk to the judge easily.
2. If a member has completed all activities in the manual in prior years, the member is to consult with their extension educator, leader, or mentor to create an activity. When assembling the exhibit notebook be sure to include a note to the judge explaining how the activity was determined and the intended objectives.
3. Purchase and accessorize an outfit. Accessories may be purchased or from items you already own.
4. Model your outfit before a group.
5. Turn in your **completed notebook and record sheet** at fashion revue judging. It is **required** that consumer clothing outfits be exhibited at the fair.

COMMUNICATIONS: CREATIVE WRITING

STATE FAIR ENTRY: None.

MANUAL: County Manual Creative Writing (used all years in project)

RECORD SHEET: 4-H 528 General Record Sheet

OBJECTIVE: This project is designed to help you explore your writing talents. You may express yourself in any style. Examples include: poetry, short stories, plays, essays, biographies, autobiographies, or novels. Whatever your topic, write it in your own tone. Will it be serious, fictional, factual or humorous? Have fun as you explore your writing creativity.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

PROJECT REQUIREMENTS:

1. You will exhibit your works in a three-ring binder. Your pages can be hole punched or inserted in plastic sheet covers. All work should be original and not previously graded or used for competition.
2. Level Description - You must exhibit in the level that corresponds with your school grade. Your grade is as of January 15th, enrollment deadline.

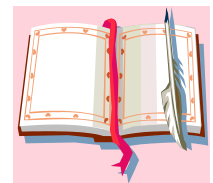
Each Level (1, 2, 3) of the Creative Writing project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project. Also building upon your notebook and add previous year's work per level.

LEVEL 1 (Grades 3 – 5): Refer to the activities in your project manual.

1. Include three (3) different examples of the activities in your notebook, but not more than one type to be exhibited. Choose three different types of the following: poem, word game, book report, list of poems or stories, comic strip, persuasive report, book review, letter, or billboard.
2. **Identify which activities were completed for your exhibit by having a table of contents listing each type of activity.**
3. Turn in a completed record sheet.

LEVEL 2 (Grades 6 – 8): Refer to the activities in your project manual.

1. Submit an example of your work from one of the following categories:
 - a. Essay (500-1500 words)
 - b. Write a poem (35-100 lines)
 - c. Short Story (600-1800 words)
 - d. Dramatic Script (maximum of 30 minutes)
2. **Identify which type of activity was completed for your exhibit in a table of contents.**
3. Turn in a completed record sheet.



LEVEL 3 (Grades 9 – 12): Refer to the activities in your project manual.

1. Submit two **different** examples of your work from the following different categories:
 - a. Short Story (1300-3000 words)
 - b. Poetry (50 - 200 lines)
 - c. Critical Review (600-1200 words)
 - d. Essay (600-1500 words)
 - e. Humor (600-1500 words)
 - f. Dramatic Script (maximum of 45 minutes)
2. **Identify which activities were completed for your exhibit by having a table of contents listing each type of activity.**
3. Turn in a completed record sheet.

ARTS AND CRAFTS: CROCHETING - KNITTING

STATE FAIR ENTRY: One State Fair entry is eligible from Crocheting/Knitting that fits requirements. This will be entered as a Craft entry.

MANUAL: ABC of Crochet- Left or Right Hand Version (used all years in project)
ABC of Knitting- Left or Right Hand Version (used all years in project)



RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 - 9
Level B	Grades 5 - 6	Level D	Grades 10 - 12

PROJECT REQUIREMENTS (All Levels):

- **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
- Members may stay in a level as long as grade permits.
- Photos must be provided for multi-piece exhibits.
- Knives, swords, etc. will be judged but not displayed for safety and liability.
- No arm knitting or crocheting.

LEVEL A (Grades 3 – 4)

* If in Crocheting:

- Learn basic stitches: chain stitching, single crochet, double and half-double crochet.
- Learn to attach new yarn.
- Practice joining edges.
- Learn to turn your work.

EXHIBIT:

1. Two (2) small articles using one or a combination of the basic stitches listed above. Both articles must be the same needlework, either both crocheting or both knitting. Exhibit examples: eyeglass case, sachet, pincushion, headband, etc.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

* If in Knitting:

- Learn basic stitches: knit and purl.
- Practice combining these to form plain knit, stockinette, and ribbing.

EXHIBIT:

1. Two (2) small articles using knit and purl stitches in a plain knit, stockinette, ribbing or a combination of these. Both articles must be the same needlework, either both crocheting or both knitting. Exhibit examples: decorative hanger, potholder, etc.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grades 5 – 6)

* If in Crocheting:

- Learn basic stitches listed in Level A.
- Practice attaching new yarn, joining edges and turning your work.

EXHIBIT:

1. Two (2) small or one (1) large article using one or a combination of the basic stitches listed. If doing 2 small articles, both articles must be the same needlework, either both crocheting or both knitting. Exhibit examples: roll-brimmed hat, legwarmers, boat-neck tee sweater, etc.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

* If in Knitting:

- Learn basic stitches listed in Level A.
- Practice combining these to form plain knit, stockinette and ribbing.

EXHIBIT:

1. Two (2) small or one (1) large article using knit and purl stitches in plain knit, stockinette, ribbing or a combination of these. If doing 2 small articles, both articles must be the same needlework, either both crocheting or both knitting. Exhibit examples: ribbed watch cap, slippers, simple sweater, etc.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grades 7 – 9)

* If in Crocheting:

- Develop skills in selecting a commercial pattern and following it.
- Learn how to use a stitch gauge.
- Practice new stitches: treble, double treble and triple treble.
- Learn to block your article.

EXHIBIT:

1. One (1) article using two or more of the stitches you know.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

* If in Knitting:

- Learn to select proper size in commercial patterns.
- Develop skills in measuring stitch gauge.
- Practice blocking your articles.

EXHIBIT:

1. One (1) article that requires some fitting and shaping, using knit or purl stitches in any combination.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10 - 12)

* If in Crocheting:

- Learn to follow directions for making a patterned article with special stitches or design.
- Practice one or more special stitches: shell, afghan, popcorn, star or knot stitch.

EXHIBIT:

1. One (1) large or two (2) small articles using one or more of the above stitches or a special design.

Pattern should be brought to judging.

2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

* If in Knitting:

- Learn to follow directions for making a patterned article with special stitches or design.
- Practice cabling and any stitches you have not yet accomplished.
- Make at least two (2) articles.

EXHIBIT:

1. One (1) large or two (2) small articles using one or more special stitches, OR one (1) large or two (2) small articles with design formed with two or more colors of yarn. Make sure article has been blocked. Pattern should be brought to judging.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

CROPS

STATE FAIR ENTRY: None.

OBJECTIVE: These projects are designed to provide information and training and experience to 4-H club members on important aspects of agriculture such as hybrids, soils, weather, insecticides, pesticides, fertilizer, etc. Suggestions on growing, improving the quality and increasing the yields of crops are provided.

PROJECT REQUIREMENTS:

- ALL plants will be judged with the roots showing and will be displayed this way too. NO buckets will stay with the plants. Plants may be brought to judging in a bucket but will be removed when judging begins.
- It is required to attach Howard County 4-H Exhibit Card to plants with a string.
- All Crop exhibits will not be returned to the 4-H member after the fair.
- Turn in your completed project record sheet with your exhibit.

ALFALFA

One division: Grades 3 – 12

Indiana 4-H Club Alfalfa Project Outline 4-H-39-W

<https://extension.purdue.edu/4h/Documents/Resources/4-H-39-W.pdf>

RECORD SHEET: Crops Record Sheet

EXHIBIT: A baled section of alfalfa – loose will not be accepted.

CORN

Corn members will be divided into three grade divisions:

1. Beginner: Grades 3 – 5
2. Intermediate: Grades 6 – 8
3. Advanced: Grades 9 – 12

MANUAL: 4-H 672 Corn Beginner Level, 4-H 673 Hybrid Corn Intermediate Level, 4-H 674 Corn Growth Advanced Level

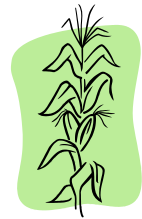
RECORD SHEET: Crops Record Sheet

EXHIBIT OPTIONS:

1. One corn plant.

OR

2. One gallon jar of corn.



OATS

One division: Grades 3 – 12

MANUAL: 4-H 749 Small Grains Project (used all years in project)

RECORD SHEET: Crops Record Sheet

EXHIBIT: one gallon jar of oats.

SOYBEANS

Soybean members will be divided into three grade divisions:

1. Beginner: Grades 3 – 5
2. Intermediate: Grades 6 – 8
3. Advanced: Grades 9 – 12

MANUAL: 4-H 209-W The Soybean Project (used all years in project)

<https://www.extension.purdue.edu/extmedia/4H/4-H-209-W.pdf>

RECORD SHEET: Crops Record Sheet

EXHIBIT OPTIONS:

1. One soybean plant.

OR

2. One gallon jar of soybeans.

WHEAT

One division: Grades 3 – 12

MANUAL: Small Grains 4-H-749 (used all the years in project)

RECORD SHEET: Crops Record Sheet

EXHIBIT: one gallon jar of wheat.

CAKE DECORATING: CUPCAKE DECORATING

STATE FAIR ENTRY: None

DIVISIONS/LEVELS:

Beginners	Grades 3 - 5
Intermediate	Grades 6 - 8
Advanced	Grades 9 - 12



OBJECTIVE: This project will provide "how to" information for making and using icing as decoration for cupcakes, cookies, etc. This activity, which can be enjoyed by families and friends, also is an introduction to a money making skill and career.

**RECORD SHEET: CUPCAKE DECORATING RECORD SHEET
CUPCAKE DECORATING SKILLS CARD**

ALL DIVISIONS:

1. **All projects must be on a solid base such as cardboard or wood that is approximately 3/8" thick and is no more than 3 inches larger than cupcake display. All display boards must be covered. Use only Styrofoam dummy cupcakes.**
2. Cupcakes must be attached to the exhibit as to not allow them to be picked up.
3. Icing must be used in your project. However, artificial items may also be used. Cupcakes will not be judged on taste.
4. All cupcakes exhibited must meet the specific level requirements (no more, no less) or they will be scored down a ribbon.
5. **All cupcakes must be a standard size Styrofoam dummy cupcake. Miniature or larger cupcakes will be disqualified. Styrofoam dummy cupcakes are available for purchase from the Extension Office.**
6. All cupcakes do not need to be decorated identically. Each may be their own design as long as they meet the specific requirements.
7. **Attach a cupcake decorating skills card with name, club, grade, division and description of your project with items/materials used.**
8. Cupcakes will be judged on creativity decorating, technique, instruction, construction, and appearance according to guidelines for each level's requirements.

BEGINNERS (Grades 3 - 5):

EXHIBIT:

1. Display 6 individual decorated cupcakes, maybe all decorated alike or individually.
2. All items used for decorating must be edible.
3. Cupcakes **must** be displayed in a single layer on a solid surface, not to exceed 16 x 16 inches in exhibit size.
4. Ice smooth, add decorations using various cake tips (stars, dots, lines etc.)
5. No artificial/ added sprinkles, candies or cookies may be used.



INTERMEDIATES (Grades 6 - 8):

EXHIBIT:

1. Display 6-16 cupcakes decorated in a theme.
2. Cupcakes may be decorated individually or as a group as long as the theme is carried out in your display.
3. Cupcake display area must not exceed 18 x 18 x 24 inches in exhibit size. Cupcakes **must** be presented on a solid base in a single layer.
4. All decorations must be edible.
5. Smooth or decorate top with added edible sprinkles, candies, cookies, etc., that incorporate with your theme. NO artificial items may be used.

ADVANCED (Grades 9 - 12):

EXHIBIT:

1. Display 12-24 cupcakes or more cupcakes decorated in a theme.
2. Cupcakes may be decorated individually, or as a group as long as the theme is carried out in your display.
3. Cupcake display area must not exceed 24 x 24 x 18 inches in exhibit size. No matter display, project your cupcake **must** be presented on a solid base. The cupcakes may be stacked for a 3D display using candy sticks or other edible items.
4. Artificial items may be used in this division only.



DAIRY CATTLE & DAIRY FEEDER STEERS

STATE FAIR: Separate entries must be made to participate. See State Fair Guidelines for more information.

OBJECTIVE: The educational 4-H dairy program and related activities (such as workshops and tours) provide youth a fun and hands-on learning experience which develops both dairy subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications) under the direction of caring adults.

MANUALS:

Dairy Cattle: Level 1 (Grades 3 – 5) BU-6154 Dig into Dairy; Level 2 (Grades 6 – 8) BU- 6155 Moving Ahead; Level 3 (Grades 9 – 12) BU-8163 Rising to the Top.

Dairy Feeder Steers: 4-H 119 Dairy Beef Feeder Project and Record Book, 4-H 117 Beef Resource Handbook (one per family).

RECORD SHEET: Grade specific. Record Sheets must be turned in at Animal Check-In.

PROJECT MANUALS:

- **Completed project manuals and record sheets must be turned in when you check-in your 4-H project. All Record Sheets are required for project completion and are due at the end of the check-in time for each individual project. If a Record Sheet is not turned in for a Livestock Project, the project will move to the bottom of the auction order for that species. Record Sheets will not affect eligibility for State Fair.**
- Each year, members must complete at least three (3) activities.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/> for more information.

1. All dairy animals must be in possession and enrolled on the county and state 4-H dairy enrollment form by May 15th.
2. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
3. Dairy animals may be registered or grade. Only registered dairy animals may show at the State Fair.
4. 4-H dairy members must have access to a dairy cow and/or heifer either by ownership, partnership, or a lease agreement approved by the 4-H Extension Educator. See Rule #3 under Livestock Exhibit Rules for further information on ownership and partnership requirements.
5. **All Dairy members MUST BE YQCA certified BY June 1.**
6. The Dairy Lease program is only for 4-H members who do not own their own dairy cows and/or heifers. 4-H members may not enroll both leased and owned dairy animals. Leasing a dairy heifer will be considered the equivalent of ownership. The 4-H member should be regularly involved in the care of the heifer regardless of where the heifer is kept, and the 4-H member should have exclusive show rights to the heifer during the 4-H lease period. Lease agreement forms are available from the Extension Office.
7. A 4-H dairy member may enter and show only three (3) animals per class.
8. All dairy animals are required to have a form of permanent identification, such as a tattoo or ear tag.
9. The following are age limits as set by the State Fair for Holstein, Guernsey, Jersey, Ayrshire, Milking Shorthorn, and Brown Swiss:

CLASSES:

1. Jr. Calf - Born March 1, 2021 or later (at least 4 months old).
2. Fall Senior Calf - Born December 1, 2020 to February 28, 2021.
3. Senior Calf - Born September 1, 2020 to November 30, 2020.
4. Summer Jr. Yearling Heifer - Born June 1, 2020 to August 31, 2020.
5. Jr. Yearling Heifer - Born March 1, 2020 to May 31, 2020.
6. Intermediate Sr. Yearling - Born December 1, 2019 to February 29, 2020.
7. Sr. Yearling Heifer - Born September 1, 2019 to November 3, 2019.
8. Jr. Two-Year-Old Cow - Born March 1, 2018 to August 31, 2018.
9. Two-Year-Old Cow - Born September 1, 2018 to February 28, 2019.
10. Three-Year-Old Cow - Born September 1, 2017 to February 28, 2018.
11. Four Year and Over Cow - Born prior to August 31, 2017.
 - a. An animal in this classification must be bred or currently in milk.

10. COW- CALF CLASS

- a. Cows must have an RFID tag and registration in place no later than May 15th,
 - b. The calf must have a form of identification by ear tag or tattoo.
 - c. The calf must be born and raised by a Howard County 4-H member.
 - d. The calf must be born between January 1st and May 15th of the current year. The calf must be halter broke.
 - e. Each cow-calf pair must be enrolled on the county and state 4-H beef enrollment forms by May 15th.
 - f. Limit of two cow-calf entries per 4-H member may be shown at the Howard County 4-H Fair.
 - g. Cow-calf entries must be shown by Howard County 4-H members.
 - h. Cow-calf entries are NOT eligible for Grand or Reserve Grand Champion Heifer.
11. All 4-H dairy feeder steers must be enrolled on the county and state 4-H beef & dairy steer enrollment form by May 15th.
12. All 4-H dairy feeder steers must be individually identified using a five-digit county ear tag and an RFID tag.
13. 4-H members may enroll a maximum of six (6) dairy feeder steers.
14. A 4-H member may enter and show up to three (3) dairy feeder steers at the county fair.
15. Dairy feeder steers will be shown according to weight. Feeder steers must weigh from 300 to 750 pounds at check-in at the county fair. Underweight calves will not show at the Howard County 4-H Fair. Overweight calves will show in the Dairy Steer class in the Beef portion of the Cattle Show.
16. 4-H dairy feeder steer classes will be determined after weigh-in at the county fair and be broken down by weights.
17. All animals exhibiting at State Fair must follow the State Fair guidelines for exhibition as shown at the State Fair Website. <http://www.indianastatefair.com/state-fair/competitionscontests/4-h-competitions/>
18. In the event of conflict of general rules or any matter not covered by rules, the Cattle Committee will govern in consultation with the Extension Educator.
- 19. Your completed record sheet is to be turned in when you enter your project at the fair.**
20. Showmanship: For showmanship rules see the Showmanship Guidelines. This includes divisions.
- There must be a minimum of five Dairy Cattle not owned or shown by the winning 4-H'er for the Supreme Showmanship Entrant to choose to exhibit with Dairy Cattle. If this standard is not met, the Cattle entrant will use Beef Cattle.
 - Judge will judge separate classes of Beef and Dairy for each level of showmanship. He or She will then select, at his or her discretion, the number of entrants to bring back from each Senior

Showmanship Class. He or She will use their own criteria to select the Supreme Showmanship Entrant from Cattle.

- Youth must select either Beef or Dairy for showmanship when entering their animals on Sunday night. No changes will be made after Noon on Monday.

BOAH HEALTH AND EXHIBITION REQUIREMENTS:

A. Limitations on Exhibition

This section describes limitations on exhibiting animals in Indiana. Other exhibition limitations may be described in the species-specific requirements that follow.

1. Failure to meet all animal health requirements will result in removal of animals from the exhibition premises.
2. The following animals are not eligible for exhibition in Indiana:
 - a. Animals that originate from a herd that is under quarantine.
 - b. An animal prohibited from exhibition under any law or order.
 - c. Any animal classified as a brucellosis "suspect".
 - d. Animals showing signs of any infectious or communicable disease or that are a health hazard to people or other animals.
 - e. Any animal that does not meet state animal health requirements.
3. Any animal that develops or shows signs of any infectious or communicable disease during exhibition must be removed from the premises, including the surrounding exhibition grounds. An owner who is disputing the exclusion of his/her animal(s) from exhibition may not exhibit the animal in question pending any appeal.

The Cattle Committee and Extension Educator are authorized to make the final determination as to an animal's eligibility for exhibition. The state veterinarian, Cattle Committee, or Extension Educator may order removal of any animal from the exhibition grounds.

Exhibition organizers may impose health requirements in addition to those prescribed by BOAH. Added requirements may not contradict requirements imposed by BOAH.

Exhibition organizers may have a licensed and accredited veterinarian review animals and animal health documentation during the exhibition.

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.
2. Cattle from Indiana do not need a brucellosis test or a tuberculosis test for exhibition in Indiana.
3. The following cattle from outside the state must test negative for tuberculosis within 60 days prior to the date of arrival to the exhibition:
 - a. All sexually intact female dairy cattle that are 6 months of age or older that will be sold or otherwise not removed from the state within 10 days of the fair.
 - b. Cattle from states that are not designated tuberculosis free by USDA must meet additional requirements for entry into Indiana. Contact the Indiana State Board of Animal Health for specific information.
4. Cattle from outside the state do not need a brucellosis test as long as the state of origin is classified as brucellosis free by USDA.
5. All cattle, including Indiana cattle, that are to be offered for sale at an exhibition must have the necessary testing and other requirements completed within 30 days prior to the sale date.

For more information on cattle health requirements, call the Indiana State Board of Animal Health at (317) 544-2400 or visit BOAH's website at: www.in.gov/boah/2394.htm.

DOG POSTER

STATE FAIR ENTRY: One State Fair entry per level is eligible that fits requirements.

MANUAL: Level 1 (Grades 3 – 5) BU-8166 Wiggles and Wags; Level 2 (Grades 6 – 8) BU-8167 Canine Correction; Level 3 (Grades 9 – 12) BU-8168 Leading the Pack

PROJECT EXHIBIT REQUIREMENTS:

1. Exhibit a poster with a topic from your grade level.
 - a. Proper footnoting must be used with all reference material. Attach a 3" x 5" card to the backside of the poster listing the references.
 - b. Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and exhibit card attached.
2. **PROJECT MANUALS:**
 - a. **Completed project manual and Livestock Record Sheet LIV-10-13 must be turned in when you check-in your 4-H project.**
 - b. Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.

The following suggestions are ideas for development of an educational dog poster. 4-H members are not limited to the topics listed below but should be grade appropriate.

Level 1 (Grades 3 – 5): dog care, dog breeds, me and my dog, helping the disabled, traveling with my dog, my dog's safety.

Level 2 (Grades 6 – 8): purposes/uses of dogs, responsible dog ownership, disease/parasite prevention, careers related to dogs.

Level 3 (Grades 9 – 12): learning life-skills with the dog project, your dog and the law, food, a dog's sense of smell, dog over-population problems, animal health, animal welfare.

DOG

STATE FAIR: Separate entries must be made to participate. See State Fair Guidelines for more information.

OBJECTIVE: The 4-H Dog Project provides youth a fun and hands-on learning experience that develops life skills, as well as teaches valuable information about properly caring for their animal. Subjects such as general care, nutrition housing, training and health care are presented in the curricular materials, through workshops and in preparation of an exhibit. Youth also have the opportunity to develop responsibility, decision-making, nurturing, and communication skills through active participation in the 4-H Dog Project.

MANUAL: Level 1 (Grades 3 – 5) BU-8166 Wiggles and Wags; Level 2 (Grades 6 – 8) BU-8167 Canine Correction; Level 3 (Grades 9 – 12) BU-8168 Leading the Pack, Dog Resource Handbook (4-H 201R) one per family

RECORD SHEET: 4-H 390-W Dog Record

VACCINATION FORM: 4-H 671-W Certification of Vaccination (Note: This is due at or before 1st meeting of the year.)



PROJECT MANUALS:

- **Completed project manuals and record sheets must be turned in when you check-in your 4-H project.**
 - Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.
 - Members taking both the Dog and Dog Poster projects need only to complete three (3) total activities as both projects use the same manual.
1. 4-H members are encouraged to attend the 4-H Dog Workshops for training of their dog. These dates will be shared with those enrolled once established.
 2. Feed, train and care for your own dog or family dog.
 3. Dog must be at least six (6) months of age by March 1ST as verified by veterinarian or registration papers. **However**, puppies, under the current age requirement of 6 months by March 1ST are allowed to come to classes at a kindergarten level. These handler/dog teams may compete the following year at level 1B or above. The level is to be assigned by the 4-H leader(s).
 4. Dogs may be purebred, or of a mix breed, however, the 4-H dog may not have a parent, either sire or dam, which is related to wild canines, such as wolf or coyote or any other hybrid thereof. Certain required vaccinations have not been proven effective in wolf-hybrids; therefore, because wolf-hybrids cannot meet the vaccination requirements of the Indiana Board of Animal Health, wolf-hybrid dogs cannot be shown in the 4-H dog program.
 5. All 4-H dogs must be accompanied by the 4-H 671 certificate of vaccination, **(original only; no photo copies)** signed by a licensed, accredited veterinarian indicating the dog has been vaccinated for rabies, distemper, hepatitis, parvovirus, leptospirosis, and kennel cough. Vaccination shots will not be administered to dogs at the show. Dates must be included for each vaccine. **A certificate must be given to your 4-H leader before the dog will be allowed to practice with the club.** The certificate must also be presented at the show or the dog will not be allowed to be shown.
 6. A 4-H dog may not be exhibited if they are showing symptoms of any communicable disease or parasites (including ticks and fleas).

7. Annual Heartworm tests and fecal parasite exams are highly recommended procedures.
8. Death or Loss of a Dog. If a handler loses a dog due to death or some other misfortune, that handler will be able to replace and show a new dog. The dog will be placed in the classification that the leader(s) decide upon.
9. One 4-H member may show two (2) dogs in two different divisions.
10. **AGGRESSION:** Any dog exhibiting aggression, such as biting, snapping, snarling, etc., will be given 2 warnings. On the third occasion, the dog will be dismissed from class and not allowed in any future classes or to exhibit at the county show. EXCEPTION...if on the first occasion, the dog blatantly attacks anyone or any dog or is deemed uncontrollable, it will be dismissed immediately. This is in the interest of safety to others associated with the show.
11. Your completed record sheet and project manual are to be turned in when you check your dog in at the fair. It is highly recommended to show your dog at the Howard County 4-H Dog Show. (In the event that the dog or child is unable to show on the day of the fair a completed record sheet must be turned in to complete the project.)
12. The same dog may be shown by more than 1 FAMILY MEMBER, **IF** that dog is the only dog available to the family. HOWEVER, the dog may not be shown in the same obedience or showmanship levels. Only 1 4-H member may show the dog at the STATE FAIR.
13. A 4-H member must show in Obedience in order to be eligible to show in any other class for any project year.
14. Female dogs who are "in season" on the day of the show may go through competition at another location usually an hour before or after the show at the discretion of the leaders AND only if the judge agrees to do so. Also, female dogs who are "in season" may not attend any classes.
15. Appropriate attire is required in all dog show classes. Exposing cleavage, bare midriff, or buttocks is inappropriate, and will be penalized. Smooth soled boots, high heels, loose fitting shoes, floppy sandals or other unsafe footwear are not appropriate attire. Refer to Showmanship classes below for attire regulations specific to Showmanship.

OBEDIENCE CLASSES:

1. All 4-H dogs must wear a well fitted slip, buckle (preferred), or martingale (preferred) collar made of leather (preferred), fabric or chain in order to be exhibited in obedience classes. The leash may be made of fabric or leather and must be six (6) feet in length. Collar tags will not be allowed in the 4-H show. 4-H dogs being raised for the handicapped programs are exempt from the collar tags. Head halters are useful training tools, and are acceptable in the 4-H training program. However, the head halter is not acceptable show equipment.
2. The 4-H member may not move back to a lower class than the one they entered in previous years, with the same dog.
3. Ties for all obedience classes will be broken by exercises picked by the judge.
 - a. Class 1A – For 4-H members with no previous formal dog training experience with a dog which has received no obedience training prior to January 1st of the current year. (Repeatable for exhibition only.)
 - b. Class 1B – For 4-H members with previous dog training experience, (including showing in 4-H 1A) or for 4-H members with no experience whose dogs have had training which disqualifies them for 1A. (Repeatable for exhibition only.)
 - c. Class 2A – For 4-H members and dogs which have completed 1A or 1B. (Repeatable for exhibition only.)
 - d. Class 2B – For 4-H members and dogs which have completed class 2A. (May repeat until ready for class 3A.)
 - e. Class 3A – For 4-H members and dogs which have completed second year work. (Repeatable for

- exhibition only.)
- f. Class 3B – For 4-H members and dogs which have been in 3A, but are not ready for fourth year work. (May repeat.)
 - g. Class 4A – For 4-H members and dogs which have completed third year work. (Repeatable for exhibition only.)
 - h. Class 4B – For 4-H members and dogs which have been in 4A, but are not ready for fifth year work. (May repeat.)
 - i. Class 5A – For 4-H members and dogs which have completed fourth year work. (Repeatable for exhibition only.)
 - j. Class 5B – For 4-H members and dogs which have been in 5A, but are not ready for fifth year work. (May repeat.)
 - k. Class 6A – For 4-H members and dogs which have completed fifth year work. (Repeatable for exhibition only.)
 - l. Class 6B – For 4-H members and dogs which have been in 6A. (may repeat)
 - m. Veterans – For 4-H members whose dogs are at least seven (7) years-old or are physically challenged. The dog must have completed at least class 2-B in previous years. Dogs that are physically challenged must be accompanied by a letter from a veterinarian stating that the dog is unable to perform jumping and/or retrieving exercises. A dog may not be shown in any other obedience class once they have competed in the Veteran's class. This class may be repeated.

DOG SHOWMANSHIP

1. It is recommended that in Showmanship a 4-H member use a shorter, lightweight, lead that meets AKC breed requirements for the conformation class. (This is expected at State Fair.)
2. Proper attire: Girls-dress, skirt and blouse, culottes, or dress pants. Boys-dress pants, dress shirts; (coat and tie are optional.) Inappropriate attire: smooth soled boots, high heels, backless slip-on shoes, loose fitting shoes or other unsafe footwear.
3. Divisions are based on the Showmanship Guidelines for the Howard County 4-H Program.

LEADER DOG CLASS

1. All leader dogs will be shown in their own separate division.
2. This division will include all leader dogs regardless of the experience of the dog or handler.
3. The leader dog shall not be in competition for grand champion obedience awards or reserve grand champion obedience awards.
4. Leader dog winners will receive separate awards.
5. To exhibit in the leader dog division, there is no minimum age requirement on the dog, but all 4-H health requirements must be met. A champion 4-H leader dog trophy will be awarded to the First place dog in the division.

HIGH POINT DOG

The selection for High Point Dog will be based on the following:

1. 4-H Dog Obedience Score
2. Score from 4-H Dog Showmanship.
3. A written exam based on age appropriate 4-H Dog Curriculum Guides (Level 1 BU-8166 Wiggles and Wags; Level 2 BU-8167 Canine Correction; Level 3 BU-8168 Leading the Pack), 4-H Companion Animal Dog Obedience (4-H-357-W), Indiana 4-H Dog Showmanship (4-H-716-W), Dog Record of Glossary of Terms (4-H-390-W), and the Howard County 4-H Dog rules in the 4-H Project Summary .

ELECTRIC

STATE FAIR ENTRY: A State Fair entry will be selected from each division in Electric that fits requirement. Divisions 5 – 10 may have 2 entries dependent on the exhibited items at the Howard County Fair, as one of each exhibit option may be sent to the State Fair.

OBJECTIVE: Understanding the phenomenon that we have come to know as electricity and electronics is an important life skill. The 4-H electric program helps youth understand this phenomenon through hands-on learning experiences. It provides them with an opportunity to develop project skills (electrical principles, safety with/around electricity, electrical wiring skills), and life skills (decision-making, using science and technology, communication skills).

Project Completion Recommendations:

Complete the activities as instructed in the manual and fill out the “4-H Club General Record Sheet” (4-H-528) or as specified by the County Extension Office. All posters, notebooks, displays, and exhibits should include a reference list indicating where information was obtained, giving credit to the original source. This reference list may include website links, people that helped you, books, magazines, etc. It is recommended that this reference list be attached to the back of a poster or display, be the last page of the notebook, or included as part of the display or exhibit visible to the public. A judge is not to discredit an exhibit for how references are presented.

Exhibit one article of choice displaying proper wiring techniques, made during the current 4-H program year. It must demonstrate a minimum of five (5) or more of the appropriate level of “*Skills to be Attained*” items as outlined in the “4-H Electric and Electronic Skills & Knowledge Chart”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project.**

LABELING: Attach an exhibit card in a conspicuous place on the article. It is recommended for divisions 3 and above should attach a note to the exhibit, explaining what was done, why and the intended use of the item.

PROJECT MANUALS:

- Visit www.four-h.purdue.edu/electric for information and resources.
- **Completed project manual must be turned in when you check-in your 4-H project.**
- Each year, members must complete the required number of activities. These will be recorded on the scorecard.

LEVEL 1 (Grade 3):

MANUAL: Magic of Electricity

RECORD SHEET: 4-H 528 4-H Club General Record Sheet

EXHIBIT one article of choice displaying proper wiring techniques, made during the current 4-H program year. It must demonstrate a minimum of five (5) or more of the appropriate level of “*Skills to be Attained*” items as outlined in the “4-H Electric and Electronic Skills & Knowledge Chart”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project .**

Exhibit Suggestions:

- **Circuit board** - 6” by 6” of Series/Parallel Circuit
- **Electromagnet**
- **Galvanometer**
- **Poster board** (22” by 28”)
- **Display** (appropriately sized for displayed equipment)
- **Notebook/Report** That covers any topic that is in the National 4-H Electric Curriculum Electricity Excitement Book 1 or Investigating Electricity Book 2, Purdue Extension website Level 1 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

All poster exhibits are to be displayed horizontally, sized 22”x28”, mounted on a firm backing (foam-core board or other) and covered in clear plastic or transparent material. Place standard identification label with our name, grade and county in the lower right-hand corner of the poster.

LEVEL 2 (Grade 4):

MANUAL: Investigating Electricity

RECORD SHEET: 4-H 528 4-H Club General Record

Exhibit one article of choice displaying proper wiring techniques, made during the current 4-H program year. It must demonstrate a minimum of five (5) or more of the appropriate level of “*Skills to be Attained*” items as outlined in the “*4-H Electric and Electronic Skills & Knowledge Chart*”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project.**

Exhibit Suggestions:

- **Magnetic Powered Shake Flashlight** – with display (kit available to purchase at the Extension Office)
- **Circuit board** – 6” by 6” of Series/Parallel Circuit (with modifications if exhibited in Level 1)
- **Electromagnet**
- **Galvanometer**
- **Electric Motor**
- **Poster board** (22” by 28”)
- **Display** (appropriately sized for displayed equipment)
- **Notebook/Report** that covers any topic that is in the National 4-H Electric Curriculum *Electricity Excitement* Book 1 or *Investigating Electricity* Book 2, Purdue Extension website Level 2 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

All poster exhibits are to be displayed horizontally, sized 22”x28”, mounted on a firm backing (foam-core board or other) and covered in clear plastic or transparent material. Place standard identification label with our name, grade and county in the lower right-hand corner of the poster.

LEVEL 3 (Grade 5):

MANUAL: Wired for Power

RECORD SHEET: 4-H 528 4-H Club General Record Sheet

Exhibit one article of choice displaying proper wiring techniques, made during the current 4-H program year. It must demonstrate a minimum of five (5) or more of the appropriate level of “*Skills to be Attained*” items as outlined in the “*4-H Electric and Electronic Skills & Knowledge Chart*”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project.**

Exhibit Suggestions:

- **Wiring Project** – (ie. extension cord, trouble light, wire sizes and uses, plug configurations, test equipment, etc.) (extension cord & trouble light are available to purchase at the Extension Office)
- **Electrical tool and supply kit**
- **Poster board** (22” by 28”)
- **Display** (appropriately sized for displayed equipment)
- **Notebook/Report** that covers any topic that is in the National 4-H Electric Curriculum *Wired for Power* Book 3, Purdue Extension website Level 3 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

All poster exhibits are to be displayed horizontally, sized 22”x28”, mounted on a firm backing (foam-core board or other) and covered in clear plastic or transparent material. Place standard identification label with our name, grade and county in the lower right-hand corner of the poster.

LEVEL 4 (Grade 6)

MANUAL: Entering Electronics

RECORD SHEET: 4-H 528 4-H Club General Record Sheet

Exhibit one article of choice displaying proper wiring techniques, made during the current 4-H program year. It must demonstrate a minimum of five (5) or more of the appropriate level of “*Skills to be Attained*” items as



outlined in the “4-H Electric and Electronic Skills & Knowledge Chart”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project.**

Exhibit Suggestions:

- **Wiring** – Wire a lamp. The lamp can be a re-wired lamp or one that is built new. (basic lamp kit -grommet, bushing & polarized plug is available for purchase at Extension office)
- **Electrical tool and supply kit**
- **Poster board** (22” by 28”)
- **Display** (appropriately sized for displayed equipment)
- **Notebook/Report** that covers any topic that is in the National 4-H Electric Curriculum *Wired for Power* Book 3, Purdue Extension website Level 4 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

All poster exhibits are to be displayed horizontally, sized 22”x28”. Mount on a firm backing (foam-core board or other) and covered in clear plastic or transparent material. Place standard identification label with your name, grade and county in the lower right-hand corner of the poster.

LEVEL 5 (Grades 7-12): Do either an Electric power or Electronics project

Complete the activities as instructed in the manual and fill out the “Advance Electric/Electronics 4-H Club Record Sheet” or as specified by the County Extension Office. All posters, notebooks, displays, and exhibits should include a reference list indicating where information was obtained, giving credit to the original source. This reference list may include website links, people that helped you, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display, be the last page of the notebook, or included as part of the display or exhibit visible to the public. A judge is not to discredit on exhibit for how references are presented. Each county may submit one advanced electric and one advance electronic exhibit to the state fair.

RECORD SHEET:

Exhibit one article of choice, displaying proper wiring techniques, made during the current 4-H program year that demonstrates a minimum of five (5) or more of the appropriate level of “Skills to be Attained” items as outlined in the “4-H Electric and Electronic Skills & Knowledge Chart”. **A completed copy of the “Exhibit Skills & Knowledge Sheet” must accompany the project.**

Exhibit Suggestions:

- **Equipment Wiring** – including but not limited to: parts identification, appliance repair, lamps and other lighting, equipment wiring, control system, security system, topic that covers safety, motors/generators, electric heating, heat pumps, AC, water heaters, and other electric equipment.
- **Home Wiring** – included by not limited to any circuits found in the wiring of a house or “barn”, service entrance, switching, receptacles, generator transfer circuit, safety, electrical math, and others.
- **Electronic Equipment** – Any project or kit containing transistors or integrated circuits or vacuum tubes such as radio, TV, computer, robot, cell phone, and others.
- **Poster board** (22” by 28”)
- **Display** (appropriately sized for displayed equipment)
- **Notebook/Report** that covers any topic that is in the National 4-H Electric Curriculum *Entering Electronics*, Purdue Extension website Level 5 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.
- **Video Presentation** Create a video showing the work accomplished and skills learned. This video should include the same type of information as required in written notebook listed above. This video is to be no more than ten minutes in length and formatted as MP4 and submitted on a thumb drive. This video can also be uploaded to a YouTube account with the video being made public and the link submitted for evaluation.

All poster exhibits are to be displayed horizontally, sized 22”x28”. Mount on a firm backing (foam-core board or other) and covered in clear plastic or transparent material. Place standard identification label with your name,

grade and county in the lower right-hand corner of the poster.

ENTOMOLOGY

STATE FAIR ENTRY: One collection box and one poster per level will be selected for State Fair that fits requirement.

DIVISIONS/LEVELS:

Level 1 Grades 3 – 5

Level 2 Grades 6 – 8

Level 3

Level Independent Study

Grades 9 – 12

Grades 9 – 12

PROJECT MATERIALS: Display boxes, pins, and vials are available for purchase in the Extension Office.

PROJECT MANUALS:

- **Completed project manuals and record sheets must be turned in when you check-in your 4-H project.**
- Each year, members must complete three (3) activities. These will be recorded on the scorecard.

INSECT COLLECTION OPTION

Project Requirements:

1. Use one of the following as a reference:

- a. How to Study, Collect, Preserve and Identify Insects (4-H 764)
- b. How to Make an Awesome Insect Collection, ID-401(available online, extension.entm.purdue.edu/401Book/default.php?page=home, or through The Education Store).

2. Title:

- a. *Collection* - Insect Collection, Grade X (where X = your grade in school)
- b. *Poster* - Choose one of the topics listed below, appropriate for your grade in school, and use that topic for your exhibit title.

3. Orders:

Use the orders listed in the reference material (above), which are found on page 57 in ID-401

4. Display boxes:

- a. You must collect, mount (pins or vials) and identify insects personally collected in the U.S. only.
- b. Display your best specimens in a 18" x 24" box(es), orientated horizontally, with your green exhibit card in the lower right hand corner.
- c. When multiple boxes are used: list the box order (i.e., "box 1 of 3 boxes") and include your green exhibit card in each box.
- d. ID 401 A-F cards (for grades 3-8) and ID 401-I cards (for grades 9-12) are to be placed inside the display box in an attractive manner.

5. Identification of insects:

- a. Collection display boxes are expected to contain the specified number of insects, families, and orders specified (see chart below).
- b. Orders – Use the orders listed in the reference material (above), which are found on page 57 in ID-401 and the Table of Contents in 4-H-764.
- c. All insects must be in the adult stage and be properly mounted on insect pins or be contained in vials as directed.

6. Pin Labels – Each pin or vial must contain two labels:

- a. Top label is to include collection date, location, and collector name.
- b. Bottom label is to include common name and other optional identification data

7. Box Labels:

Box labels (computer generated or neatly printed) are used for orders and families as required (see chart below) and are to be placed flat against the bottom of the box. Insects must be properly grouped directly under the correct order and family box label. For example, all insects belonging to a particular order must be placed under that order label. Orders to be used are listed in the reference book ID- 401. If family level identification is required, the insects should be further grouped together under that family label.

8. Educational Box:

One additional box (educational), based on the specific theme (see chart below), is required for grades 9-12, in addition to the insect collection boxes. This box can be created in any manner chosen (without the mounting, pinning or identifying restrictions specified above).



9. See the following chart for display requirements.

Grade	Manual	Display	Max. # boxes*
3	Level 1 (BU 6853)	10 insects; identified and pinned on cards (ID 401A)	1
4	Level 1 (BU 6853)	20 insects, mounted (pins or vials). Identify all insects by common name and identify five (5) to order. Include card ID 401B.	1
5	Level 1 (BU 6853)	30 insects, mounted (pins or vials). Identify all insects by common name and identify 15 to order. Include ID 401C.	1
6	Level 2 (BU 6854)	40 insects, exhibit a minimum of 6 orders, mounted (pins or vials). Identify all insects by common name and order. Include ID 401D.	2
7	Level 2 (BU 6854)	50 insects, exhibit a minimum of 8 orders, mounted (pins or vials). Identify all insects by common name and order. Identify ten (10) to family. Include card ID 401E.	2
8	Level 2 (BU 6854)	60 insects, exhibit a minimum of 10 orders, mounted (pins or vials). Identify all insects by common name and order. Identify 30 to family. Include card ID 401F.	2
9	Level 3 (BU 6855)	70 insects, exhibit a minimum of 12 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One educational box, theme: insect behavior.** Include card ID 401-I.(1-3 collection boxes plus 1 educational box**). Place ID 401-I in first collection box only.	3 + 1**
10	Level 3 (BU 6855)	80 insects, exhibit a minimum of 14 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One educational box, theme: insect pest management. ** Include card ID 401-I. (1-3 collection boxes plus 1 educational box**). Place ID 401-I in first collection box only.	3 + 1**
11	Level 3 (BU 6855)	90 insects, exhibit a minimum of 16 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One educational box, theme: insects in the environment.** Include card ID 401-I. ((1-3 collection boxes plus 1 educational box**). Place ID 401-I in first collection box only.	3 + 1**
12	Level 3 (BU 6855)	100 insects, exhibit a minimum of 18 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One educational box, theme: benefits of insects.** Include card ID 401-I. (1-3 collection boxes plus 1 educational box**). Place ID 401-I in first collection box only.	3 + 1**

***Max. # boxes**– The number in this column indicates the maximum number of collection boxes to be exhibited.

****Educational box** - The educational box (grades 9 - 12) is in addition to the insect display box(es). This box should be created in such a way as to teach something about the assigned theme to the general public.

POSTER OPTION

Project Requirements:

1. Youth display a 22 x 28 inch poster (covered with plastic, horizontally displayed, and with a stiff backing). Posters must have the title of the activity (below) and a green exhibit card in the lower right hand corner (name, grade, and county).
2. Choose one of the topics listed below, appropriate for your grade in school, and use that topic for your exhibit title, so that the judges know which activity you completed. You may add a creative subtitle if you wish.
3. **Turn in your completed record sheet.**



Level 1: Grades 3-5 Manual - BU-8440 Teaming with Insects Level 1; Record Sheet-4-H 763 C-W

Display a poster based on the following activities:

- **Big Mouth Bugs** -- Show the four (4) different mouth types that you studied. Create a chart listing the four (4) mouth types, an insect with this mouth type, food they eat, and where these insects might be found.
- **FACETnating!** -- Show how insects see (compound eyes) and explain how they see colors.
- **Pit Stop** -- Make two pit traps and use them to collect insects. Exhibit your completed record sheet. You can use the format given for your data collection, or make your own. Include some of the insects, or pictures of your trap and insects collected.
- **Buz-z-zing Around** -- Present three to five ways that insects communicate. Include an insect, or picture of each insect that communicates in each of the ways you are describing.
- **Ants and Uncles** -- Compare insects with their non-insect relatives by completing the chart in your book (copy or make your own). Include some of the insects and their non-insect relatives, or pictures of them, on your poster.
- **Chirp, Chirp** -- Watch and listen to the crickets for five minutes, three times a day, for three days. Include day and night observations. Record what you see and hear.

Level 2: Grades 6-8 Manual - BU-8441 Teaming with Insects Level 2; Record Sheet-4-H 763 C-W

Display a poster based on the following activities:

- **Collecting Insects** -- Use two of the insect collecting traps described in Activity 2 (Berlese Funnel, Indoor Insect Trap), Activity 3 (Modified Wilkinson Trap), Activity 4 (Fruit Bait), or Activity 5 (Light Attractor) to collect insects. Exhibit a picture of your traps and an Insect Collection Data Chart that gives the trap location (for example, in the basement or in the back yard), date collected, and insects collected.
- **Spread Your Wings and Fly** -- Make and use a spreading board. Exhibit two pictures of your spreading board and three butterflies or moths that you prepared using your board.
- **Insect Experiments** -- Complete one of the following activities: Activity 8 (Color My World), Activity 9 (Sowbug Investigations), or Activity 10 (Life's Stages). Exhibit your data sheet and answers to the "Talk It Over" questions. For activities 8 and 9 include your hypothesis and a conclusive statement about your hypothesis (indicate if it was proved or disproved).
- **Invasive Species Investigations** -- Create an informational exhibit about one (Indiana) invasive insect. Include the information requested in the activity for this insect (first eight (8) questions on page 29).
- **A Sticky Situation** -- Make and use sticky traps for four weeks as described in Activity 13. Exhibit your data sheet and the answers to "Talk It Over" questions.
- **Footprint Clues** -- Study the tracks of 3 different species of insect and one arthropod as described in Activity 14. Exhibit your data sheet and the answers to "Talk It Over" questions.

Level 3: Grades 9-12 Manual – BU-8442 Teaming with Insects Level 3; Record Sheet-4-H 763-C-W

Display a poster based on the following activities:

- **The Scientific Method** - Use the scientific method to complete one of the problems listed in Activity 3. Describe what you did to complete the five scientific method steps and include your data and drawings or pictures of your experiment.
- **Transecting for Insects** - Compare three habitats using the scientific method to determine which one has the most terrestrial insect activity. Display your transect data sheet for each habitat and answer the "Talk It Over" questions.
- **Please Drop In** -- Create your own hypothesis and collect insects in five pitfall traps to prove or disprove your hypothesis, as described in Activity 7. Display how you completed your experiment (including each step in the scientific method) and your data for each habitat.
- **Aliens Among Us** -- Complete the "Natives vs. Non-natives Survey Data Sheet" by checking two boxes (Native or non-native and damage or no damage) for five native and five non-native insects as shown in Activity 9. Answer the "Talk It Over" questions.
- **IMP** -- Learning and Teaching - Make an informational flier and use it to teach younger 4-H members about five insect pests that might be found in a home or school in your county. Exhibit your flier, lesson plan, and photograph of you teaching. Answer the "Talk It Over" questions.
- **Meal from a Worm** -- Use the scientific method to study how mealworm larvae grow. Include your hypothesis, data charts, and conclusions. Answer the "Talk It Over" questions.

Level Independent Study:

- Advanced Topic - Learn all you can about a topic of your choice and present it on a poster or in an Entomology box. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. "Title your poster, "Advanced Entomology – Independent Study."
- Mentoring - Exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Entomology - Mentor".

COLLECTIONS & HOBBIES: FARM TOY SCENE

STATE FAIR: None.

DIVISIONS/LEVELS

<i>Beginner</i>	Grades 3 - 5
<i>Intermediate</i>	Grades 6 - 8
<i>Advanced</i>	Grades 9 - 12



MANUAL: None

RECORD SHEET: Farm Scene Record Sheet

PROJECT REQUIREMENTS:

- Complete project exhibit as listed below.
- Turn in completed record sheet.

GENERAL RULES:

1. Project will be judged by Beginner, Intermediate, or Advanced Division
2. Exhibit your display according to the guidelines listed below.
3. Exhibits will be judged according to artistic arrangement of exhibit, detail of exhibit and realistic setting around toys.
4. Toys used in your display can be any scale desired, but the preferred size is 1/64 or 1/16.
5. Model toys may be obtained at farm equipment dealers, department stores, farm stores, and farm toy shows. Farm toy shows will probably offer the largest selection of toys.
6. Landscape supplies can be obtained at hobby shops, craft supply stores, and some items may be found in your backyard.
7. Every effort will be made to keep your exhibit safe but the Howard County 4-H Exhibit Association is not responsible for lost or damaged items from your exhibit.
8. It is suggested that projects be secured by enclosing your exhibit with Plexiglas or other material.
9. **Exhibit: Exhibit dimensions are listed by division below. The indicated includes any and all protection in the total measurements, i.e. Plexiglass case. If exhibit exceeds size specifications, it will be dropped one (1) ribbon.**

Note: The same farm toys may be used in more than one year, but exhibits need to be changed, altered or modified so as not to repeat the same exact exhibit.

Beginner (Grades 3 – 5):

1. Exhibit a Farm Scene display 24"x24" maximum. Exhibit may be smaller.
2. Display must be built on rigid wood (plywood),
3. This division will be limited to field tilling/planting equipment (toy plows, disc/tiller, planter, tractor, cultivator).
4. Pick-up trucks, anhydrous tanks and sprayers are allowed.
5. Scenery items may be chosen from the following list: roads, lanes, trees, light poles with wire, fence rows and a back drop may be used to set off field or fields.
6. NO ponds or creeks, buildings or other structures (no silos, grain bins, etc.) are allowed.
7. Points will be deducted for each item included in the exhibit that is not listed above.

Intermediate (Grades 6 – 8)

1. Exhibit a Farm Scene display 24"x36" maximum. Exhibit may be smaller.
2. Display must be built on rigid wood (plywood),
3. Display may use anything in the Beginner Division, plus show any type of field work (tilling, planting or crop harvesting.)

4. Equipment may include any of the following: disc/tiller, plow (any type), planter, tractor, cultivator, combine, sprayers, grain wagon/cart, truck, hay baling equipment, hay wagon, spraying and irrigation equipment, windmills.
5. Also may have ponds, creeks, railroad tracks, and any other accessories.
6. ONE (1) Farm Outbuilding (tool shed, grain bin, barn, etc.) allowed at this level. NO houses allowed.
7. Scenery items may be chosen from the following list: roads, lanes, trees, light poles with wire, fence rows and a back drop may be used to set off field or fields.
8. Points will be deducted for each item included in the exhibit that is not listed above.

Advanced (Grades 9 – 12)

1. Exhibit a Farm Scene display 36"x36" maximum. Exhibit may be smaller.
2. Display must be built on rigid wood (plywood),
3. This division is open to create any type of farm. Example: Farmstead (buildings, grain handling equipment, field work, harvesting, or crops and animals) or Farm Equipment Stores.

ARTS AND CRAFTS: FINE ARTS

STATE FAIR ENTRY: Two State Fair entries are eligible from Fine Arts that fit requirements, entered as a Craft entry.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 - 6	Level D	Grades 10 - 12

MANUAL: First year receives 4-H 681 Finishing Touches

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. A member may stay in a level as long as grade permits.
3. Categories are divided by grade, but the member is expected to improve skills each year.
4. Make pictures in one of the following mediums: oil, charcoal, pastels, pencil, ink, acrylic or watercolor-on canvas, canvas board or paper framed as a picture-prepared for hanging. Canvas art on a wooden frame is considered prepared for hanging provided that frame has a hanger.
5. Prepare one picture for hanging. (Include framing, matting, and hanging fixtures if needed.) Note - A sturdy frame **with a wire hanger** is **REQUIRED** for the protection of the project and to help hang the pictures. **NO SAW TOOTH HANGERS.** Only wire handers. This is for the safety of the project when it is hanging. Project will be marked down one ribbon, if a wire hanger is not used.
6. Photos must be provided for multi-piece exhibits.
7. Knives, swords, etc. will be judged but not displayed for safety and liability.

LEVEL A (Grades 3 – 4)

EXHIBIT:

1. One (1) picture ready to hang.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grades 5 – 6)

EXHIBIT:

1. One (1) picture ready to hang.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grades 7 – 9)

EXHIBIT:

1. One (1) picture ready to hang.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10 – 12)

EXHIBIT:

1. One (1) picture ready to hang.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

HEALTH & WELL-BEING: FIRE SAFETY

STATE FAIR: None.

OBJECTIVE: To learn how to prevent fires by conducting Farm and/or Home Fire Hazard reports, how to control fire through an understanding of the elements that cause fire to develop, various methods of putting out different types of fires and about the fire organization in Howard County.

DIVISIONS/LEVELS

Level A	Grade 3 – 5
Level B	Grade 6 – 12

MANUAL: Fire-12/09 for all Levels

RECORD SHEET: Fire-11/00 and Fire Safety Project Record Sheet

PROJECT REQUIREMENTS:

- Complete project exhibit as listed below.
- Turn in completed record sheet.
- An exhibit may either be a binder/notebook or poster.

LEVEL A (Grades 3 – 5):

Grade 3 Exhibit:

1. A standard poster or notebook on fire safety.
2. Turn in completed record sheet.

Grade 4 Exhibit:

1. A standard poster or notebook with a simple floor plan for each level of your house. Show at least two (2) separate routes for escape for each room. Mark locations of fire detector and fire extinguishers.
2. Turn in completed record sheet.

Grade 5 Exhibit:

1. Complete an additional three (3) Home or Farm Fire Hazard reports. Include a written report for each with what is wrong at each site and an analysis of how each site can be made more fire safe. Reports should be exhibited in a notebook.
2. Turn in completed record sheet.

LEVEL B (Grades 6 – 12):

Grades 6 – 12 Exhibits:

1. Choose one (1) of the options below, doing each option at least once during your years in this level.
 - Write a report on the kinds of extinguishers, advantages and disadvantages of each type you would buy and why. Report should be placed in a notebook.
 - Write a report on the kinds of detectors, advantages and disadvantages of each type and a recommendation of which type you would buy for your home or farm and why.
 - Write a report or display a poster on fireplace safety. Report should be in a notebook. Poster should follow poster exhibit guidelines.
 - Interview a person or people currently working in the field of fire safety, such as Safety Engineers in factories, Fire Chiefs, State Building Inspectors, Sales representatives for fire safety equipment, etc. Find out the education needed, training, age requirements, physical requirement and special attractions to the job. Write a report about what you find and exhibit in a notebook.
 - Collect at least five (5) newspaper articles or magazine article about fires that have happened in the local community, area or state. Underline the cause of the fire, financial loss, loss of property and lives lost. Write a summary of these articles and include the summary in a notebook, along with the articles.
 - A project designed by you with prior approval of the project superintendent.

2. Turn in completed record sheet.

FLORICULTURE

STATE FAIR ENTRY: One (1) flower and plant exhibit per category per level AND one (1) poster or notebook exhibit per level, and one (1) action demonstration per exhibitor. (For example: Level A, four (4) flower and plant exhibits AND one (1) poster/notebook.)

DIVISIONS/LEVELS:

Level A	Grades 3 – 4
Level B	Grades 5 - 6
Level C	Grades 7 – 9
Level D	Grades 10 – 12



PLEASE NOTE: Each Level (A, B, C, D) of the Floriculture project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project. For example, if in 3rd grade you display a simple bud vase (category 1), in 4th grade you should choose a poster/notebook option or flower/plant exhibit from categories 2-3. First year members in project receive CD Floriculture Supplemental CD 4-H 989 used all years in project and one (1) per family.

PROJECT MANUALS:

- **Completed project manual must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities. These will be recorded on the scorecard.

NOTEBOOK GUIDELINES

- Needs to be a sturdy 3 ring binder (with stiff covers) or a bound type notebook (with stiff covers). No report covers or similar styles.
- Make sure the notebook accurately meets the guidelines and objectives of the activities in the manual.
- Information printed directly off the web will not be accepted.
- Materials included in the notebook need to be educational, both for the youth and the audience, and should demonstrate that the youth was able to take what he or she learned from their research (experiment, or on web, in library, etc) and/or activities to create the notebook.
- Work should include references where appropriate.
- Pictures, graphics, and artwork are encouraged.

POSTER GUIDELINES

- Dimensions are to be 22" x 28" displayed horizontally with stiff backing and must be covered with clear plastic.
- Place exhibit card the lower right corner (name, grade, county).
- Poster should 'tell a story' or be informative to the audience. Will the viewer of your poster learn something from the exhibit?
- When designing your poster you should consider: lines, shapes, textures, colors and placement of items.
- Pictures, graphics and artwork are encouraged.
- Make sure the poster accurately meets the guidelines and objectives of the activities in the manual.
- Information printed directly off the web will not be accepted.
- Materials included in the poster need to be educational, both for the youth and the audience, and should demonstrate that the youth was able to take what he or she learned from their research (experiment, or on web, in library, etc) and/or activities to create the poster.

LEVEL A (Grades 3 – 4) - Manual 4-H-966

Exhibit one of the following along with your completed project manual:

1. Flower and Exhibit Categories:
 - a. Create flower arrangement in a simple bud vase; provide your own vase, from cut flowers you grew in your garden. Vase must be no more than 9 inches tall by 3 inches wide, neck opening of vase not to

- exceed 1.5 inches and be clear or white only. Include a 1-3 stems of a main flower, along with appropriate amount of filler flower and greenery.
- b. Create flower arrangement in a simple bud vase; provide your own vase, from fresh flowers you purchased. Vase must be no more than 9 inches tall by 3 inches wide, neck opening of vase not to exceed 1.5 inches and be clear or white only. Include 1-3 stems of a main flower, along with appropriate amount of filler flower and greenery. Flowers should be in their natural state, and not wired for display.
 - c. Create a simple round arrangement (small, compact round cluster of flowers) with fresh flowers you purchased. Including the vase or container, it must be no larger than 12"x 12".
 - d. Create a simple round arrangement (small, compact round cluster of flowers) with fresh flowers you grew. Including the vase or container, it must be no larger than 12"x 12".
2. Poster or Notebook Exhibits - choose any one(1) of the following topics:
- a. Chronicle your work in your flower garden (planning, planting, care, harvest, arrangement made with your flowers).
 - b. Describe how you planned or designed your garden, including how you chose the kinds of flowers.
 - c. Explain how you harvested your flowers, cared for them, and used them in an arrangement.
 - d. Explore and explain: pollination – what it is, why important, different ways it occurs or transplanting – what, how, things to watch out for; or role of insects with flowers (good, bad or both).
 - e. Explore and explain seed germination or how to care for a 'sick' plant.
 - f. Report on interview with a professional (what do they do, types of jobs, type of training, hours worked, etc.).
 - g. Describe an experiment you did and the results.
 - h. Describe a community service project you did related to your flowers project.

LEVEL B (Grades 5 – 6) - Manual 4-H-967

Exhibit one of the following along with completed project manual:

1. Flower and Plant Exhibit Categories:
 - a. Display a mixed planter that may include herbs with foliage plants and/or flowering plants. The planter should include 3 or more kinds of plants and have been planted at least two months before the fair. The container exhibit space must not exceed 18"x 18" (height will be variable). **Must include 4-H 967c "Level B Plant Record" chronicling the care of your plant.**
 - b. Make an item with dried herbs or dried flowers that you grew yourself. Examples of items to exhibit are, but not limited to, a dried flower product, or a simple dried arrangement in a container. (Exhibit not to exceed 18" X 18".)
 - c. Display one house plant (foliage and/or flowering) in a container not to exceed 10 inches in diameter. There must be only one specimen plant per pot. A flowering plant may be of any color with single or double flowers. **Must include 4-H 967c "Level B Plant Record" chronicling the care of your plant.**
2. Poster or Notebook Exhibits - choose any one(1) of the following topics:
 - a. Report how you harvested your flowers and/or herbs, cared for them, dried them, and used them.
 - b. Explore and explain: insects and your flowers and/or herbs.
 - c. Explore and explain: starting seeds indoors – the process and pros and cons.
 - d. Explore and explain: perennials – what are they, how are they used, benefits or drawbacks.
 - e. Investigate and describe: a butterfly garden- what types of plants, benefits to insects and butterflies, etc.
 - f. Describe how you planned or designed your garden, including how you chose the kinds of plants, any problems, or any successes.
 - g. Describe your houseplant - how you cared for, transplanted to larger pot, any problems, or successes.
 - h. Explore and explain: plant biology – form and function, growth, photosynthesis, etc.
 - i. Explore and explain: how to grow plants indoors – things to consider, common problems and solutions.
 - j. Explore and explain: environmental effects related to plants (such as light, water, soil, or temperature).
 - k. Describe an experiment you did and the results.

- I. Explore and explain topics from “Imagine That” – plants around the world, information about different cultural uses of plants, different ways you used your plants/herbs/flowers.

LEVEL C (Grades 7 – 9) – Manual 4-H-968

Exhibit one of the following along with completed project manual:

1. Flower and Plant Exhibit Categories:
 - a. Display a terrarium. Size of the terrarium should be appropriate for use on a table at home, and no larger than 12” deep, 18” long and 16”high. Must have a cover while on exhibit. See activity information for design.
 - b. Combination or European planter. Exhibit a container of plants (3 or more kinds of plants) that you have planted and cared for a minimum of 2 months. See activity for information on plants and design. The container should not exceed exhibit space of 18” x 18” (height will be variable).
 - c. Create one (1) corsage or two (2) boutonnieres made from only fresh flowers. Corsages should contain 3 or more blooms. NO artificial flowers or greenery should be used in this category. Bows and decorative items are okay.
 - d. Create one (1) corsage or two (2) boutonnieres made from silk or other artificial flowers and greenery. Can be created with mixed fresh and artificial materials, or all artificial. Bows and decorative items are okay.
 - e. A dried arrangement in a container or a specialty item (such as, but not limited to, a wreath or swag) made with dried flowers and dried plant materials. NO artificial flowers/plant material should be included. Bows and decorative items are okay. Maximum size 24" x 24", height will be variable.
 - f. Create a flower arrangement using either roses or lilies as the primary component of the arrangement. Arrangement should be made with all fresh materials (NO artificial flowers/plant materials). Bows and decorative items are okay. The exhibit must not exceed 18" x 18" (height will be variable).
2. Poster or Notebook Exhibits - choose any one(1) of the following topics:
 - a. Explain how you planned, chose plants, cared for, transplanted to larger pot, etc. your combination planter or terrarium.
 - b. Explore and explain: vegetative propagation – how to, different types, problems and solutions, different uses of.
 - c. Explore and explain: plant nutrients – what are they, why does the plant need them, what happens if the plant has too much or too little, planters or containers vs. garden.
 - d. Investigate the design of multiple plant containers – how to, things to consider, selecting plant materials, uses of.
 - e. Describe how you created your corsage or boutonnieres; or dried arrangement. Be sure to include appropriate information on design principles and how they are used to create your arrangement.
 - f. Explore and explain: floral tools and materials (how to use, what they are, care of tools, different uses of a tool or material).
 - g. Explore and explain: preserving cut flowers – how, problems, uses of and/or diseases related to cut flowers.
 - h. Illustrate, explore and explain how you dry flowers or other plant materials and/or describe different methods and/or how, why use them.
 - i. Explore and explain: medicinal uses and toxicity of fresh and dried flowers and plants.
 - j. Describe an experiment you did and the results.
 - k. Describe a career exploration activity you did, such as job shadow, interview with a professional.
 - l. Describe a community service activity you did related to your flowers project – what you did, why, results, etc.

LEVEL D (Grades 10 – 12) – Manual 4-H-969

Exhibit one of the following along with completed project manual:

1. Flower and Plant Exhibit Categories:
 - a. Create a seasonal arrangement from only fresh flower and/or plant materials. Flowers and plant materials specific to a season or holiday should be used. For example, fall mums or spring tulips. Maximum size 24" X 24" X 36". This category could include a traditional floral arrangement, but also items such as wreaths. Bows and decorative accessories are okay.
 - b. Create a seasonal arrangement that can include fresh and/or artificial flower/plant material. Flowers and plant materials specific to a season or holiday should be used. Maximum size 24" X 24" X 36". This category could include a traditional floral arrangement, but also items such as wreaths. Bows and decorative accessories are okay.
 - c. Create a modern or contemporary style arrangement using fresh flower and plant materials. See manual for suggestions. Maximum size 18"x18"x18". Include a label that states what type of design you have created (botanical, pavè, parallel, free-form, abstract, etc.).
 - d. Create a bridal bouquet. Proper display of the bouquet should be considered, but only the bouquet will be judged. **Bouquet should include only fresh plant materials.** Bows and decorative accessories are okay.
 - e. Create a centerpiece for an event, such as a banquet, party, wedding, funeral, or church. Arrangement should be no larger than 24" X 24" X 36" and be made from EITHER fresh flower and/or plant materials or artificial or silk flower and/or plant materials. Bows and decorative accessories are okay.
 - f. Display a plant that you propagated (and grew and cared for) by tissue culture or other vegetative propagation methods, or flowering bulbs that you forced. Maximum pot size should not exceed 10" diameter. **Must include 4-H 969c "Level D Plant Record" chronicling the care of your plant.**
2. Poster or Notebook Exhibits - choose any on one(1) of the following topics:
 - a. Describe how you created your arrangement; include information on the design principles utilized.
 - b. Explore and explain how you utilize different flowers to make a similar style arrangement for different seasons (tulips in spring, mums in fall, etc.) or how to utilize similar flowers to make different styles of arrangements.
 - c. Explore and explain: the cost of arrangement and/or a cost comparison with flowers (different types of flowers, different time year, etc.).
 - d. Explore and explain: forcing flowers (bulbs, branches, etc.).
 - e. Explore and explain: marketing in the floral industry (large or small business) and/ or a market survey and results, and how they can benefit the floral industry.
 - f. Explore and explain: how to start a business related to the floral industry and may include a business plan.
 - g. Explore and explain the origins of flowers and/or the floriculture industry around the world.
 - h. Explore and explain: tissue culture, biotechnology, or traditional breeding of new flower types – what are they, how are they used, pros and cons.
 - i. Explore and explain: be a plant detective – what kinds of problems might you have in growing and caring for flowers, and how to solve.
 - j. Describe an experiment you did and the results.
 - k. Describe a community service activity you did related to your flowers project: how, why, and results.

FOOD PRESERVATION

STATE FAIR ENTRY: One State Fair entry is eligible from each grade category that fits requirements.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 – 6	Level D	Grades 10 – 12

PROJECT MANUALS: (Foods and Food Preservation uses the same manual)

Manuals: Level A 4-H Fantastic Foods 4-H-1032

Level B 4-H Fantastic Foods 4-H-1033

Level C 4-H Fantastic Foods 4-H 1034

Level D 4-H Fantastic Foods 4-H 1035

- **Foods Manual must be brought to judging with 3 different activities completed each year.**
- Each year, members must complete at least 3 activities.
- If a member is also taking Food Preservation, they need only to complete 3 activities in total for both projects in the same manual.
- **Exhibit requirements are based on your grade in school as of January 15th of the current year.**

Foods Exhibit Requirements

Purdue Extension Food Safety Policy (revised 10/2020):

For Food Competitions: Fillings, frostings, glazes, and meringues are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream if they are not fully cooked/baked. These items are allowed as ingredients in food products IF the final product is cooked/baked. Additionally, raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160°F (i.e. pasteurized or included as part of a batter and baked) are acceptable. No home- canned fruits, vegetables, or meats are permitted as ingredients in food products.

Fresh-cut, uncooked, fruits and/or vegetables are not permitted to be used in food products or used as garnishes for the product. Foods should be transported to the competition in a way that minimizes contamination and maintains the quality of the food (i.e. foods that are judged as frozen should remain frozen at all times).

Recipes must be provided that identifies all ingredients that were used in each part of the product. Any ingredient that could be a potential allergen must be clearly identified. Each food product must be labeled with the following information:

- Name
- Date the food product was made

Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. If cuts are present, the wound should be bandaged and a single use food service glove worn on the hand during all stages of food production. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. People experiencing symptoms of vomiting, diarrhea, fever, and/or jaundice should not be allowed to prepare food.

Judges and individuals who will consume products from county and/or state competitions should be informed that they are at risk for foodborne illness since the established policy cannot guarantee that an entry has been properly prepared or handled before, during or following the competition. The food products for competitions are home produced and processed and the production area is not inspected by the Indiana State Department of Health. Tasting of a food product is solely at the discretion of the judge and consumers. Judges are **NOT** to taste any home preserved foods such as low-acid or acidified foods like green beans, tomatoes or tomato products, jams/jellies/fruit preserves or fermented products produced in the home.

Instructions for preparing food exhibits for display at State Fair (these instructions may be adapted for use in your county):

Instructions for preparing food exhibits for display at State Fair (these instructions may be adapted for use in your county):

Labeling Suggestions:

1. Cover label with clear plastic wrap so that it will not become grease stained.
2. Tape label to the paper plate or container before the product is wrapped.

Recipe or index cards:

1. A recipe card or index card (no larger than 5 1/2" x 8 1/2") is required for all food exhibits. Be sure to include the recipe source all the information requested in the exhibit description, as well as your name, county, and the grade level/exhibit option. It is recommended that you wrap the card in plastic wrap or in a plastic bag. Recipe cards will not be returned.
2. Since it is illegal in the State of Indiana for youth under the age of 21 to purchase or consume alcoholic beverages, 4-H members are to use recipes that do not include an alcoholic beverage as an ingredient. A suitable non-alcoholic or imitation product may be substituted.

Food preservation jars/containers:

1. All canned products must have the ring on the jar top to protect the seal.
2. Containers will NOT be returned from the Indiana State Fair.

How to prepare products for display.

1. Frozen food exhibits (containers and food) will not be returned to the exhibitor. Please display in freezer bags or disposable freezer containers.

Exhibit Requirements (Participants may exhibit one preserved item per grade)

Level A, Grade 3

- A package of 3 baked, snack-sized (approximately 2"- 3" individual size) frozen cookies. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.

Level A, Grade 4

- One package of frozen berries. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with recipe and instructions for cooking or defrosting. Label with name of product, quantity, and date frozen.

Level B, Grade 5

- One uncooked frozen mini-pizza using whole-grain pita bread, english muffin, bagel, or already prepared crust (no larger than 7" in diameter) with toppings of your choice. Include at least 4 MyPlate food groups on your pizza. Meat toppings such as hamburger, sausage, bacon, etc. must be cooked. Display on covered cardboard inside freezer bag. Include index card with recipe and instructions for cooking. Label with name of product, quantity, and date frozen.

Level B, Grade 6

- One package of any frozen vegetable or combination vegetables. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.

Level C, Grade 7, 8, 9

Exhibitors may choose one preserved product from the following list. It is suggested a participant choose a different option each year, but this is not a requirement.

PRESERVED PRODUCT OPTIONS

- One (1) container of freezer jam. Include index card with recipe and instructions for storing. Label with name of product, quantity, and date frozen.
- One jar of a canned tomato product using the Hot Pack Method for a boiling water bath canner, such as tomato juice, catsup, barbecue sauce, or salsa. Include index card with recipe and instructions for

cooking or using the product. Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or Ball Blue Book recipes are acceptable.

- One jar of a canned pickled product or canned pickles. Include index card with recipe, processing, and storage instructions. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or Ball Blue Book recipes are acceptable.

Level D, Grade 10, 11, 12

Exhibitors may choose one preserved product from the following list. It is suggested a participant choose a different option each year, but this is not a requirement.

PRESERVED PRODUCT OPTIONS:

- One jar of pressure canned vegetables, meat or combination product, such as soup, stew, spaghetti sauce with meat, etc. Include index card with recipe and instructions for cooking or using the product. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or *Ball Blue Book* recipes are acceptable.
- One package of a combination food frozen entree in freezer container. The combination food should contain 3 food groups from MyPlate. Exhibit should include an index card with recipe and instructions for reheating. Display in disposable containers. No containers will be returned. Label with name of product, quantity, and date frozen.
- A jar of cooked jam or a reduced-sugar fruit spread. Include recipe card. Label with name of product, quantity, and date made.

FOODS

STATE FAIR ENTRY: One State Fair entry is eligible from each grade category that fits requirements.

DIVISIONS/LEVELS:

<i>Level A</i>	Grades 3 – 4	<i>Level C</i>	Grades 7 – 9
<i>Level B</i>	Grades 5 – 6	<i>Level D</i>	Grades 10 – 12

PROJECT MANUALS: (Foods and Food Preservation uses the same manual)

Manuals: Level A 4-H Fantastic Foods 4-H-1032

Level B 4-H Fantastic Foods 4-H-1033

Level C 4-H Fantastic Foods 4-H 1034

Level D 4-H Fantastic Foods 4-H 1035

- **Foods Manual must be brought to judging with 3 different activities completed each year.**
- Each year, members must complete at least 3 activities.
- If a member is also taking Food Preservation, they need only to complete 3 activities in total for both projects in the same manual.
- **Exhibit requirements are based on your grade in school as of January 15th of the current year.**

Foods Exhibit Requirements

Purdue Extension Food Safety Policy (revised 10/2020):

For Food Competitions: Fillings, frostings, glazes, and meringues are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream if they are not fully cooked/baked. These items are allowed as ingredients in food products IF the final product is cooked/baked. Additionally, raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160°F (i.e. pasteurized or included as part of a batter and baked) are acceptable. No home- canned fruits, vegetables, or meats are permitted as ingredients in food products.

Fresh-cut, uncooked, fruits and/or vegetables are not permitted to be used in food products or used as garnishes for the product. Foods should be transported to the competition in a way that minimizes contamination and maintains the quality of the food (i.e. foods that are judged as frozen should remain frozen at all times).

Recipes must be provided that identifies all ingredients that were used in each part of the product. Any ingredient that could be a potential allergen must be clearly identified. Each food product must be labeled with the following information:

- Name
- Date the food product was made

Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. If cuts are present, the wound should be bandaged and a single use food service glove worn on the hand during all stages of food production. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. People experiencing symptoms of vomiting, diarrhea, fever, and/or jaundice should not be allowed to prepare food.

Judges and individuals who will consume products from county and/or state competitions should be informed that they are at risk for foodborne illness since the established policy cannot guarantee that an entry has been properly prepared or handled before, during or following the competition. The food products for competitions are home produced and processed and the production area is not inspected by the Indiana State Department of Health. Tasting of a food product is solely at the discretion of the judge and consumers. Judges are **NOT** to taste any home preserved foods such as low-acid or acidified foods like green beans, tomatoes or tomato products, jams/jellies/fruit preserves or fermented products produced in the home.

Instructions for preparing food exhibits for display at State Fair (these instructions may be adapted for use in your county):

Labeling Suggestions:

1. Cover label with clear plastic wrap so that it will not become grease stained.
2. Tape label to the paper plate or container before the product is wrapped.

Recipe or index cards:

1. A recipe card or index card (no larger than 5 1/2" x 8 1/2") is required for all food exhibits. Be sure to include the recipe source all the information requested in the exhibit description, as well as your name, county, and the grade level/exhibit option. It is recommended that you wrap the card in plastic wrap or in a plastic bag. Recipe cards will not be returned.
2. Since it is illegal in the State of Indiana for youth under the age of 21 to purchase or consume alcoholic beverages, 4-H members are to use recipes that do not include an alcoholic beverage as an ingredient. A suitable non-alcoholic or imitation product may be substituted.

How to prepare products for display.

1. Most food products should be displayed on a paper or foam plate.
2. For cakes - cut a piece of cardboard about 1/2 inch larger than the bottom of the cake. Cover this cardboard with wax paper, plastic wrap, or foil before putting the cake on it.
3. Any product that may be sticky on the bottom, such as some fancy breads, should be put on round, square, or rectangle cardboard. Cover this cardboard with wax paper, plastic wrap, or foil before putting the food product on it.
4. Pies should be exhibited in disposable pie tin. Reusable containers or pans will NOT be returned from the Indiana State Fair.

Exhibit Requirements (Participants may exhibit one baked and/or one preserved item per grade)**Level A, Grade 3**

- Three snack-sized (approximately 2" – 3" individual size) drop, molded or bar baked cookies. No glaze or frosting. Include recipe card and display on a dessert size paper or foam plate.

Level A, Grade 4

- Three standard size muffins that contain an ingredient that is a source of Vitamin A or Vitamin C (no muffin liners). Include recipe card.

Level B, Grade 5

- A square, oblong or round layer reduced-fat cake without frosting. Reduce the amount of fat in the recipe by using a fruit puree or baby food fruit product that does not contain yogurt. Include recipe card.

Level B, Grade 6

- Three no-yeast, any shape pretzels with a whole grain flour mixture (shaped, stick, or nugget) OR 3 no-yeast sweet or savory rolled biscuits with a whole grain flour (no drop biscuits.) Include recipe card.

Level C, Grade 7, 8, 9

Exhibitors may choose one baked product from the following list. It is suggested a participant choose a different option each year, but this is not a requirement.

BAKED PRODUCT OPTIONS:

- Three (3) yeast bread sticks or yeast rolls (any shape, medium size - not a sweet roll), using a whole grain mixture such as whole wheat, rye, oat bran, etc. Include recipe card. Participants are expected to learn how to knead bread dough by hand and allow it to rise appropriately. It is NOT acceptable to use a home bread maker.
- A yeast bread (can be loaf, braid, but not rolls) using a whole grain flour mixture such as whole wheat, rye, oat bran, etc. Include recipe card. Participants are expected to learn how to knead bread dough by hand and allow it to rise appropriately. It is NOT acceptable to use a home bread maker.

- One package of a non-perishable, invented healthy snack (such as a granola bar, popcorn snack, trail mix, etc.). Your snack must include at least 2 food groups from MyPlate. Exhibit must include your snack product and a separate folder containing a marketing plan with product name, recipe, how it will be packaged, a package design, where it will be sold and suggested selling price. Style your snack for a photo shoot and include the picture in your marketing plan. Label should include product name, date, quantity, and serving size.

Level D, Grade 10, 11, 12

Exhibitors may choose one baked product from the following list. It is suggested a participant choose a different option each year, but this is not a requirement.

BAKED PRODUCT OPTIONS:

- A single or double crust baked fruit pie (no graham cracker crust). Include recipe card. (Note: Custards, cream, cream cheese frosting and fillings, and raw egg white frosting are not acceptable in an exhibit because they are highly perishable when left at room temperatures.)
- A non-perishable baked food product for a catered meal or special event in which organizers have requested low fat and/or reduced sugar items. Exhibit will include your food product and a notebook outlining how this product is to be used at the event, menu, supplies to buy, preparation schedule, equipment, table layout, etc. A table display is optional and should be no larger than 16" deep x 22" wide x 28" high. Include index card with recipe.
- Select a condition in which people have to specifically modify their eating habits (diabetes, heart disease, Celiac disease, food allergies, etc.) Prepare a non-perishable baked food product appropriate for someone with this condition. Exhibit will include your food product and a notebook summarizing the condition or allergy, nutrition considerations involved with the condition, a description of your baked item, and an explanation of how it fits within the nutrition considerations. Make sure to note any ingredients that could cause an allergic reaction. Include index card with recipe.

FORESTRY

STATE FAIR ENTRY: One State Fair entry per level that fits requirements.

DIVISIONS/LEVELS:

Level 1	Introductory Forestry; Grades 3 – 5
Level 2	General Forestry; Grades 6 – 8
Level 3	Woodland Management; Grades 9 – 12
IS	Independent Study; Grades 9 – 12

PROJECT MANUALS:

- **Completed project manuals for levels 1 to 3 and record sheets for all levels must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities. These will be recorded on the scorecard.

PROJECT REQUIREMENTS:

1. All posters are displayed horizontally, 22" x 28", and mounted on a firm backing and covered in clear plastic or other transparent material.
2. Be sure to include your exhibit card with your name, grade, and county in the lower right corner.
3. Turn in a completed record sheet.
4. Proper footnoting must be used with all reference material. Attach a 3" x 5" card to the backside of the poster listing the references.
5. When exhibiting leaves, they should be free of any damage.
6. When writing scientific names, they must be either *italics* or underscored. The Genus (first name) must have the first letter capitalized. The species (second name) has no capitalization.
7. Choose one of the topics listed below, appropriate for your grade in school, and use that topic for your exhibit title.

Introductory Forestry Level 1 (Grades 3 – 5)

MANUAL: BU 8038 Follow the Path

RECORD SHEET: 4-H 8038 A-W Forestry Record grades 3-5

Choose a **different** unit from those listed below for **each year** in this level.

Exhibit one of the following:

1. Leafing Out - comparisons (pp 6 & 7). Collect, dry and mount 6 different species of leaves showing leaf differences: one leaf with opposite arrangement and one with an alternate arrangement, two leaves with different leaf margins, a compound leaf, and simple leaf. Use the 50 Trees of Indiana book (4-H 15-80 or CD-FNR-3) as a reference and identify the leaves and group them under the titles of "arrangement," "leaf margins," and "compound or simple." Draw (or copy the picture) and label the parts of a leaf using the diagram from the manual (Level 1). Title your poster, Leafing Out - Leaf Differences.
2. Leafing Out - collection (pp 6 & 7) Identify and exhibit leaves from 10 different trees that are listed in 50 Trees of Indiana book (4-H 15-80 or CD-FNR-3). List at least two unique characteristics of each tree. Title your poster, Leafing Out - Collection.
3. Hold on Tight (pp 10 & 11), Dig up a small plant root system and display along with a drawing of the root system with the anchor, lateral, and feeder roots identified and the "Parts of a Tree" diagram (4-H 641B).
4. Down in the Dirt (pp 20 & 21), collect roots from 3 different habitats: woods, near a creek, and in a pasture or prairie. (Note: do not use the habitats listed in your manual.) Display the roots along with the completed root test chart (copy or recreate) showing the color, size, and shape information. Include any unique features you noted.
5. My Couch is a Tree? (pp 30 & 31), Use pictures (draw, cut from magazines, print, or take photographs) to show 10 things in and around your home that are made from wood.
6. Fun in the Forest (pp 32 & 33), Visit a state park or forest, take your 50 Trees of Indiana book (4-H 15-80 or CD-FNR-3), diagram the trails you hiked, and list the types of trees you saw. Photographs of you

hiking and some of the trees you saw will help tell your story.

General Forestry Level 2 (Grades 6 – 8)

MANUAL: BU 8039 Reach for the Canopy

RECORD SHEET: 4-H 8039 A-W Forestry Record grade 6-8

Choose a **different** unit from those listed below for **each year** in this level.

Exhibit a poster based on one of the following activities:

1. The Leaf Machine (pp 8 & 9), copy, draw, or find a picture of a cross-section of a leaf. Label the 7 parts. Give the chemical reaction for photosynthesis, defining the chemicals: CO₂, H₂O, O₂, and C₆H₁₂O₆. Be sure to balance your equation! There should be the same number of Carbon, Oxygen, and Hydrogen molecules on each side of the equal sign. You may need to ask an older (high school) 4-H member or science teacher for help. Draw the tree canopy, trunk, and roots (or use the tree diagram, 4-H 641B) identify the crown, trunk (with the parts; heartwood, sapwood, cambium, and bark listed), feeder roots, and anchor roots.
2. My State's Forests (pp 14&15), use a map, draw, or find a picture of Indiana on the Internet (e.g., www.in.gov/ingsi/).
 - Show where your home, your school, and your fairgrounds are located. Choose one of the following options to complete your poster.
 - Show where Indiana's state forests are located. List a few facts about each. Visit a state forest and have someone take your picture by the sign, if possible.
 - Show where some state parks and state forests are located (5-15). List some facts about each one. Visit a state park or forest and have someone take your picture by the sign, if possible.
3. Someone Call a (Tree) Doctor and Stop Bugging Me (pp 22-25), Collect 10 samples of tree leaves, twigs, stems, or roots damaged by insects or disease and the fruiting body or disease that caused the damage. List information about the insect or disease and the species of tree that was affected.
4. Fire in the Forest (pp 26&27), explain the Fire Triangle and describe what happened during and after a famous forest fire. Drawings or pictures will help tell the tale.
5. Growing Every Day (pp 30 & 31), Complete the table to calculate the volume of 5 large trees that you can find and measure in your county. Research to find out how to make and use a Tree Measuring Stick (FNR-4) and use that to calculate the volume of each tree. Explain why you think your results varied with the two methods of determining tree volume (the one in your 4-H manual or using a tree measuring stick).
6. Tree Planting, Plant 1-3 shade trees. Include information about the tree (or trees) you planted, why you chose the species you did, what are the benefits of this tree, and how tall this tree (or trees) will be when mature. Explain why you chose the planting site that you did, where you found your planting information, what steps you followed, the hole size, care of your tree (watering and weed control), and any other information you can give. Include a picture of your tree (photo or drawing). Reference: FNR-FAQ-18-W.

Woodland Management Level 3 (Grades 9 – 12)

MANUAL: BU 8040 Explore the Deep Woods

RECORD SHEET: 4-H 8040 A-W Forestry Record grades 9-12

Choose a **different** unit from those listed below for **each year** in this level.

Exhibit a poster based on one of the following activities:

1. A World of Forests (pp 16&17), indicate the 3 major forest biomes on a copy, drawing, or picture of the world. Complete the table given in the activity.
2. City Trees (pp 20&21), complete the questions about Tree City (page 20). Show (draw or use pictures) some trees that are often used in city plantings and explain the benefits of these trees.
3. Trim the Trees (pp 26&27), explain the 5 different kinds of tree pruning for urban trees. List some dos and don'ts of proper pruning.
4. My Boss is a Tree (pp 34&35), list 5 jobs that require a knowledge of trees and forestry. Explain the training and education that is needed and what types of things you might be doing if you had this job.
5. Tree Planting - Present a tree planting plan for at least 100 trees. Include the type of trees you planted, pictures, cost, method of planting, weeding, pruning your trees, and any additional information. Your exhibit must have a title, labels, backing, and plastic covering as required in the manual. Reference: FNR-FAQ-18-W

6. Herbarium Collection – Trees: Collect 25 terminal twigs and at least two leaves, if space allows (only one compound leaf is required), from native forest trees. Mount the specimens on 11 ½" x 16 ½" paper. One leaf on the twig must be mounted to show the back side of the leaf. Label each sheet with the following: common name, scientific name, where collected, county where collected, date collected, name of collector, and specimen number. **Cover each specimen.** There are no specific references given for these exhibits. Youth are encouraged to use Extension publications, the Internet, books, and forest specialists to develop these items.

Note: Your herbarium collection must be accessible to the judges. Do not cover it under the plastic that covers your poster. You may want to attach a folder or other holder over your poster to hold the mounted, covered specimens.

7. Herbarium Collection – Shrubs: Collect 25 terminal twigs, with leaves attached, from native shrubs. Mount the specimens on 11 ½" x 16 ½" paper. One leaf on the twig must be mounted to show the back side of the leaf. Label each sheet with the following: common name, scientific name, where collected, county where collected, date collected, name of collector, and specimen number. **Cover each specimen.** There are no specific references given for these exhibits. Youth are encouraged to use Extension publications, the Internet, books, and forest specialists to develop these items.

Note: Your herbarium collection must be accessible to the judges. Do not cover it under the plastic that covers your poster. You may want to attach a folder or other holder over your poster to hold the mounted, covered specimens.

Independent Study (Grades 9 – 12) (no specific references)

RECORD SHEET: 4-H –NR-AT Independent Study: Advanced Topic Natural Resource Projects

4-H-NR-M Independent Study: Mentoring Natural Resource Projects

There are no specific references given for these exhibits. Youth are encouraged to use Extension publications, the Internet, books, and forest specialists to develop these items.

1. Advanced topic – Learn all you can about an Indiana or Eastern Deciduous forestry topic of your choice and present it on a poster. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster, "Advanced Forestry - Independent Study."
2. Mentoring – Exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Forestry - Mentor."

GARDEN

STATE FAIR: Each 4-H Garden member may exhibit one (1) garden collection and not more than five (5) single vegetables and/or three (3) herbs. One garden education exhibit that fits requirements is eligible for State Fair.

The gardening project introduces vegetable and herb gardening. The Gardening project is divided into four different levels:

Level A: See Them Sprout (3rd and 4th grades)

Level B: Let's Get Growing (5th and 6th grades)

Level C: Take Your Pick (7th-9th grades)

Level D: Growing Profits (10th-12th grades)

What can I learn?

You will learn about planning a vegetable garden, planting, fertilizing, different vegetable pests, harvesting, storage techniques and careers.

Exhibit Introduction

Extra Exhibit Classes that may be offered in your county.

Largest (by weight) 1) pumpkin/squash 2) watermelon 3) tomato 4) potato 5) onion 6) head of cabbage 7) sunflower 8) unusual growth forms

Garden manuals:

See 4-H garden manuals and 4-H 970-W for exhibit preparation suggestions.

Garden Manuals:

4-H-1037 — Garden Level A: See Them Sprout

4-H-1038 — Garden Level B: Let's Get Growing

4-H-1039 — Garden Level C: Take Your Pick

4-H-1040 — Garden Level D: Growing Profits

4-H-1041-W — Garden Helper's Guide



All posters, notebooks, and display boards include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Poster Guidelines:

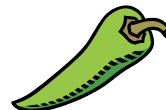
- Posters should be 22" x 28" displayed horizontally with stiff, light weight backing and must be covered with clear plastic
- Identification should be on the front in the lower right corner (name, grade, county).
- Poster should "tell a story" or be informative to the audience. Will the viewer of your poster learn something from the exhibit?
- When designing your poster you should consider: lines, shapes, textures, colors and placement of items.
- Pictures, graphics and artwork are encouraged.
- Make sure the poster accurately meets the guidelines and objectives of the activities in the manual. Information printed directly off the web will not be accepted.
- Materials included in the poster need to be educational, both for the youth and the audience, and should demonstrate that the youth was able to take what he or she learned from their research (experiment, or on web, in library, etc.) and/or activities to create the poster.

Requirements

Level: All levels

Project Completion Recommendations

1. Read and study 4-H Garden manual(s).
2. Plan your garden.
3. Select plants and seeds.
4. Plant your garden.
5. Care for your garden.
6. Harvest your produce.
7. Exhibit your produce.
8. Try something new, as listed in the manual.
9. Keep a complete record of your garden activities.
10. Complete activities as required in manual.



Exhibit

4-H 970-W has been updated as of October 2016 with more specimens and new required numbers of specimens. Please carefully read these changes if you plan to exhibit at the State Fair. Follow your county Fair Book for county exhibit guidelines.

I. Single Vegetable

May be selected from 4-H Garden Publication 4-H 970-W (**updated yearly**) or list in the State Fair Premium book. Maximum of 5 different single plate exhibits per exhibitor. Single vegetable entries should be labeled with common name, Latin name, and variety of vegetable. The Latin names can be found in 4-H Garden Publication 4-H 970-W. Example:

Green bean (*Phaseolus vulgaris*)
'Blue Lake 47 Bush'

II. Garden Collection:

- three (3) plates
- four (4) plates
- five (5) plates

In all three classes, vegetables are to be exhibited on paper plates and may include a display of not less than three garden flowers, grown in your own garden. Exhibitors may each exhibit one collection (3 or 4 or 5 plate garden collection) at State Fair. Garden collection entries should be labeled with common name, Latin name, and variety. Latin names can be found in 4-H Garden Publication 4-H 970-W.

III. Single Herb Exhibit

- Can enter three single herbs (all edible types) that must be labeled with common and Latin names and in pots 8" diameter maximum. (maximum of three different pots)
- Resource HO-28; 4-H 970-W
- For list of herbs acceptable for State Fair, see State Fair handbook or 4-H 970-W.

IV. Garden Education

One garden education exhibit per county.

Anyone can complete Section IV (Garden Education), but members enrolled in Levels C and D of the garden project SHOULD exhibit one of the following activities in addition to the Produce Exhibit (Section I, II and III)

Produce Options

1. Exhibit four (4) plates containing two cultivars of two different kinds of vegetables in your garden. *For example:* display tomato *Rutgers* and tomato *Roma* on two plates and spinach *Melody* and *America* on two plates. Label the cultivars you exhibit.
2. Label and exhibit three unusual vegetables (may or may not be discussed in your 4-H Garden Manual)

you grew in your garden this year. If not listed in the vegetable display chart, check with your Extension office. *For example:* spaghetti squash, head lettuce, etc.

Poster Options

3. Make a poster of five commonly found diseases in vegetable gardens, the damage caused by each, and the control options for each.
4. Make a poster of five commonly found vegetable garden insects: beneficial (good guys) and/or injurious (bad guys), benefits or damage caused by each, and the related management practices (how to keep the beneficial, and how to control the injurious insects).
5. Make a poster of a maximum of 10 pests (diseases, insects, weeds, and/or rodents) you found in your garden this year, damage caused, control measures used, and results.
6. Make a poster explaining a computer garden program or mobile application.
7. Make a poster showing a picture story of what you did in your garden this year. Example: how you planned, planted, and maintained your garden.
8. Make a poster showing your financial record.
9. Make a poster of pictures showing your experiences in hydroponics.
10. Make a poster explaining various career options working with vegetables/herbs.
11. Make a poster explaining types of pollinators and their importance in vegetable and fruit production.
12. Make a poster that shows the different types of plant parts that are consumed by humans. Be sure to identify the fruit or vegetable and categorize it by root, stem, leaf, or flower.
13. Make a poster that shows different storage methods for vegetables.
14. Make a poster showing how to create a raised bed OR container vegetable garden.
15. Make a poster discussing how herbs listed on the last page of 4-H Garden Publication 4-H 970-W are used and have been used throughout history. Be sure to include both culinary and medicinal uses as well as other unique uses, if any.

Resources

4-H Garden Publication 4-H 970-W



GENEALOGY

STATE FAIR: Five State Fair entries will be selected from Genealogy that fit requirements.

OBJECTIVE: To increase member's awareness of themselves, their family's history and heritage. . As you continue in Genealogy, you will add to the notebook. Only contents of the notebook will be judged. The material listed for exhibit should be in black ink or typed. Any other decoration on the notebook is strictly optional. All work must be done in order: Division 1, Division 2, Division 3, etc. A division may be repeated if you received a red ribbon or lower.

MANUAL: Genealogy Resource Guide 4-H 748, Genealogy Exhibit Guidelines 4-H 748 E-W

RECORD SHEET: 4-H 748B

EXHIBIT INTRODUCTION:

Forms for this project are found on the Indiana 4-H Web site www.extension.purdue.edu/4h click on "projects" and then on Genealogy to reach downloadable forms. This project is organized into divisions and not grades for a youth cannot start in Division 3 without first completing Division 1 and Division 2. This is a project that builds on the previous division information in order to be successful in building your family tree. If you are using a genealogical commercial software program, you may need to type in or hand write in information required by the Indiana 4-H genealogy project. See 4-H forms on the 4-H website linked above.

The exhibit will consist of no more than four (4) notebooks for Division 1-4 and first year Advanced Division. (If a notebook requires additional space, label it as notebook x, continued.) Those notebooks are:

- Book #1 – 3” D-ring binder, contains introduction sheet, pedigree charts and family group sheets
- Book #2 – 2” D-ring binder, contains additional information worksheets and diary of work
- Book #3 – 3” D-ring binder, contains supporting documents, pictures, etc.
- Book #4 – 3” D-ring binder, contains Advanced Division options only (Begin using this notebook in first year of the advanced division or the fifth year of project enrollment.)
- Another notebook should be maintained and kept in a secure place at home to keep original personal and legal documents as well as previously exhibited work.

Notebooks should be tabbed and in the following order:

Book #1 - Introductory Page; Pedigree Charts; Family Group Sheets

Book #2 - Additional Information Worksheets; Diary of Your Work

Book #3 - Any Other Documents (label with ancestor numbers on tab)

Book #4 – Advanced Division Options (label each tab separately with the specific option); Diary of Your Work (this will be a second diary describing work done for each advanced division option)

Pedigree Charts, Family Group Sheets, Additional Information Worksheets, and Diary Sheets are to be placed in the notebook back-to-back in sheet protectors to save space, reduce the information being damaged, and reduce the number of sheet protectors required.

So the notebook exhibit can be displayed to the public and to minimize the potential of identity theft, original legal documents are **NOT** to be included in the exhibit notebook. Instead, a photocopy of any legal document is to be included in the notebook and all identifiable information (like social security numbers) except for names is to be completely marked out. Original legal documents are to be kept in a secure location by the 4-H member and his/her family.

All posters, notebooks, and display boards must include a reference list indicating where information was

obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. Reference notations are to be made in the "source" column of the Family Group Sheet and on each document.

If information on a family member is unknown, an additional information worksheet for each required ancestor is still required. Write "unknown" or "NIA" (no information available) in PENCIL for each sheet of unknown ancestors or list several ancestors on a page and insert page in proper numerical order.

After exhibiting the 1st year of the ADVANCED Division, only the Advanced Division notebook (Book #4) with ALL OPTIONS (no pedigree charts, no family group sheets, no additional information sheets, no documents from Divisions 1-5) needs to be exhibited each year the genealogy project continues.

Suggested Genealogy Supply List:

- Four 3" D-ring notebooks (Book #1, #3, #4 will be exhibited and the fourth 3" D-ring notebook to maintain documents at home and NOT exhibited.)
- One 2" D-ring notebook (Book #2)
- Computer or legible printing/handwriting (be consistent with method used)
- #2 lead pencil with soft eraser
- Black ink pen
- Yellow highlighter
- Notebook tabs AND acid free dividers (several tabs will be needed, be consistent with style used, should not appear past edge of notebook)
- Fine point permanent Black marker
- Acid free and non-glare sheet protectors
- Acid free paper
- Acid free glue stick
- Acid free satin Scotch tape
- Scissors
- Correction tape
- Lots of creativity to make the exhibit your own while still following the exhibit guidelines.



DIVISION 1

1. Exhibit notebook that includes the following:

A. Book #1

- An Introduction page with a recent photograph of yourself.
- Completed three-generation pedigree chart. This includes you, your parents, and your grandparents, ancestors #1 through #7. Put all surnames in capital letters and all dates in military form (12 July 1974). Give each person a number, as described in the "Recording the Information" section of the Indiana 4-H Genealogy Resource Guide 4-H 748. **You must use the pedigree charts listed at the www.extension.purdue.edu/4h, 4-H 748Pc-W or 4-H 748Pbw-W** or the commercial software forms, but not the old "packet" pedigree charts.
- A Family Group Sheet for your parents and each pair of grandparents. Sources of information MUST be filled in on family group sheets (see section "Recording the Information").

B. Book #2 (Ancestors 1-7 information)

- Four (4) "Additional Information Worksheets":
 - One (1) for you, the 4-H Member
 - One (1) for your parents
 - One (1) for each set of grandparents (total = two worksheets)
 - A diary of your work.

C. Book #3 (Ancestors 1-7 information)

- Any documents or pictures pertaining to these three generations. Documents must be labeled with ancestor name and ancestor number. Pictures need to be labeled with ancestor name, plus names of all known people, place and date picture was taken, as well as ancestor numbers.

2. Turn in a completed record sheet.

DIVISION 2

1. Exhibit notebook that includes the following:
 - A. Book #1
 - Four-generation pedigree chart. This would include you, your parents, grandparents, and great-grandparents, ancestors #1 through #15. **You must use the pedigree charts listed at www.extension.purdue.edu/4h, 4-H 748Pc-W or 4-H 748Pbw-W** or the commercial software forms, but not the old "packet" pedigree charts
A Family Group Sheet for each pair of great-grandparents. Sources of information filled in on family group sheets (see section "Recording the Information" in the Indiana 4-H Genealogy Resource Guide 4-H 748
 - B. Book #2 (Ancestors 8-15 information)
 - An additional information worksheet for each set of great grandparents.
 - A diary of your work.
 - C. Book #3 (Ancestors 8-15)
 - Any photographs taken of tombstones of your ancestors and their children. Please document location of tombstone (s) and label with ancestor name, ancestor number, and date photo was taken. Rubbing are acceptable in lieu of photographs.
 - Any other documents or pictures pertaining to these generations, correctly labeled
2. Turn in a completed record sheet.
3. Exhibit Book #1, Book #2, and Book #3, which should only include Division 2 ancestors 8-15 and related information.

DIVISION 3

1. Exhibit notebook that includes the following:
 - A. Book #1
 - Five-generation pedigree chart, ancestors #1 through #31. Computer programs do not generally print chart numbers, so if you are using a computer program, make sure you have the correct number of ancestors. If an ancestor is UNKNOWN, please indicate as UNKNOWN. **You must use the pedigree charts listed at www.extension.purdue.edu/4h, 4-H 748Pc-W or 4-H 748Pbw-W**, or the commercial software forms, but not the old "packet" pedigree charts
 - Additional Family Group Sheets for generation five (5). Sources of information must be filled in on family group sheets (see section "Recording the Information" in Indiana 4-H Genealogy Resource Guide 4-H 748.).
 - B. Book #2 (Ancestors 16-31 information)
 - Additional information worksheets
 - A diary of your work
 - C. Book #3 (Ancestors 16-31 information)
 - Write an autobiography, the story of your life. Include pictures, relevant dates, and important events. OR, write an essay about what your hopes and dreams are for the future, or about life goals you hope to attain.
 - Any documents or pictures pertaining to these generations, correctly labeled.
2. Turn in a completed record sheet.
3. Exhibit Book #1, Book #2, and Book #3, which should only include Division 3 ancestors 16-31 and related information.

DIVISION 4

1. Exhibit a notebook(s) that includes the following:
 - A. Book #1

- Six-generation pedigree charts as in Division I, ancestors #1 through #63. Computer programs do not generally print chart numbers, so if you are using a computer program, make sure you have the correct number of ancestors. **You must use the pedigree charts listed at www.extension.purdue.edu/4h, (4-H 748Pc-W or 4-H 748Pbw-W) or the commercial software forms, but not the old "packet" pedigree charts.**
 - Additional Family Group Sheets and information worksheets for generation six (6). Sources of information must be filled in on family group sheets (see section "Recording the Information").
- B. Book #2 (Ancestors 32-63 information)
- Additional information worksheets
 - A diary of your work
- C. Book #3 (Ancestors 32-63 information)
- A copy of a photograph or a story of a sixth-generation ancestor. Include information about the date when the photograph was taken, how or where you found it and what's happening in it or why it was taken. If this is unavailable, write a story about the historical period during which your sixth generation ancestor was living.
 - Any documents or pictures pertaining to these generations, correctly labeled.
- D. Turn in a completed record sheet
- E. Exhibit Book #1, Book #2, and Book #3, which should only include Division 4 ancestors 32-63 and related information.

ADVANCED DIVISION

1. Exhibit a notebook(s) that includes the following:

- A. Book #1
- Seventh and eighth-generation pedigree charts, ancestors #64 through #255. If ancestry is unknown, please indicate as Unknown. Computer programs do not generally print chart numbers, so if you are using a computer program, make sure you have the correct number of ancestors.
 - Your family group sheet for generations seven and eight.
 - Sources of information filled in on family group sheets (see section "Recording the Information" in the Indiana 4-H Genealogy Resource Guide, 4-H 748).Book #2 (Ancestors 64-255 information)
 - Additional Information worksheets
 - Diary of your work
- B. Book #3 (Ancestors 64-255 information)
- Any documents or pictures pertaining to these generations; correctly labeled.
- C. Book #4
- One new advanced level option (see below). Advanced division exhibitors must include ALL options submitted in prior years, with each option labeled with the year completed.
- D. Turn in a completed record sheet.

Pedigree charts are available on the Indiana 4-H Web site for your additional genealogy research. EACH YEAR FOLLOWING, continue to add ancestors to your pedigree charts. In addition, choose one of the following options that has not been completed previously. Please identify, by letter, the option that you are completing (for example: Advanced Division, Year 1, Option A; Advanced Division, Year 2, Option C; etc.)

Advanced Division Year 2 and beyond – Exhibit Book #4 that contains advanced division options and a second diary of work. If additional ancestry information was found in the seventh and eighth generation, exhibit Book 1 noting ancestors completed this year along with Books 2 and 3 demonstrating this year's work.

EXPLAIN the information received as to how it relates to you and your ancestors. Copies of documents obtained in previous divisions are acceptable and should be utilized in the option chosen if needed.

- A. A migration map of your eight-generation ancestors. You should have at least one map per family line with charts or explanations of the migrations.

- B. A timeline historical report of a family line. Show how this family fits into history. Document your report as well as possible with dates, records, places or maps, pictures, etc. Be sure to include proper labels and sources.

- C. A census history of a family line. Census abstract forms can be found on several websites. Download forms to abstract the census. Your notebook should contain copies of the census and the completed abstract form for each census.

- D. A history of your family's religious background for any family line or lines. Include a brief history of the denomination. Include baptism, confirmation or profession of faith and membership records. Also include information or history of the congregations involved. Be sure to include proper labels and sources.

- E. A history of your family's military service for a family line. Include supporting documents when possible. These documents could include military records, (muster rolls, discharge papers, etc.), pension records, and bounty land records, as well as maps and pictures. Be sure to include proper labels and sources.

- F. A research paper on a famous ancestor. Prove your relationship to this person with documentation. Try to include pictures and anecdotes to enhance your paper.

- G. Complete a family line or lines back as many generations as possible beyond eight generations (ancestors 256 and beyond). Include pictures, maps and documents. Be sure to include proper labels and sources.

- H. A timeline historical report of another family line not previously completed. Document as well as possible as in Option B. You need to state at the beginning that this is a second family historical report on such ancestor.

- I. A history of your family's military service for a family line not previously completed. Include supporting documents as in Option E. You need to state at the beginning that this is a second family military history report on such ancestor.

- J. Family DNA history. (This can be a very expensive option) Please include charts and explanations. i.e. use pie charts, ethnicity estimates, approximate percentage regionally, number of countries searched, genetic percentage, family tree, graphs, etc.

GEOLOGY

STATE FAIR: One State Fair entry per level will be selected from Geology that fit requirements.

DIVISIONS/LEVELS

Level 1	Grades 3 – 5	Level 3	Grades 9 – 12
Level 2	Grades 6 – 8	Level Independent Study	Grades 9 -12

PROJECT REQUIREMENTS:

1. Posters are displayed horizontally, 22" x 28," and mounted on a firm backing and covered in clear plastic or other transparent material. Exhibit may also be display in a shadow box (18" X 24"), orientated horizontally.
2. Boxes make your specimens more secure. Do not put valuable specimens on posters where they can be removed quickly.
3. You can name your own labels for your specimens. See the suggested label format found in the Indiana 4-H geology manuals.
4. Be sure to include your exhibit card with your name, grade, and county.
5. Choose one of the topics listed below, appropriate for your grade in school, and use that name for your title. Titles must be in the front of the poster or box.
6. Turn in a completed record sheet.

PLEASE NOTE:

- You may purchase your specimens and may display rocks, fossils, and minerals from other countries. If you purchase your specimen, indicate where and when. If you collect your specimen, indicate the county and township where you found your specimen.
- Posters and display boxes will be exhibited "standing up" at the fairs. Therefore, you need to secure your specimens securely. Project leaders suggest the following methods: soaking ½ cotton ball in Elmer's glue, hot glue, or clear tub sealant. Place the cotton ball in your box and put your rock (or fossil or mineral) on the cotton ball and let sit. It will take 1-2 weeks for Elmer's glue to fully harden. Specimens mounted with Elmer's glue can be removed by soaking the cotton ball in water. Glue remaining on the rock may be brushed off with an old, damp toothbrush.
- When exhibiting rocks - show a fresh surface to help judges identify the rock.
- Labels - Include the specific geographical location where you would expect to find any specimens as well as where you actually acquired it (found, purchased, etc.).
- Do not identify your specimens any further than phylum and class. There is one exception to this for fossils which are identified to phylum OR class. Class should only be used for fossils of mollusks, backboned animals, and arthropods.

Level 1 (Grades 3 – 5)

MANUAL: 4-H 985 Geology 1, Record Sheet 4-H 985 a-W

Exhibit:

1. Display a poster (or use an exhibit box) based on one of the following activities:
 - a. The Rock Cycle (Activity 2): Explain the rock cycle using both words and pictures.
 - b. Rock Types (Activities 2 – 4): Display rocks from the three major types: igneous, sedimentary, and metamorphic. Examples of each include: Igneous - granite, basalt, gabbro; Sedimentary – limestone, dolomite, shale, chert, gypsum; and Metamorphic – quartzite, schist, marble, slate.
 - c. How Rocks Change (Activity 4): Color and display the picture in your book or draw and color your own on your poster. Briefly describe the earth processes that are shown.
 - d. Rock Artwork (Activity 12): Display your rock artwork and the story that you created.
 - e. Collections (Activity 11): Display and identify eight (8) rocks.
 - f. Making Crystal Models (Activities 14 & 15): Display the crystal forms characteristic of most minerals (cubic, tetragonal, hexagonal, orthorhombic, monoclinic, triclinic) in a display box with their name and mineral with this form. You may color, paint, or use markers on your crystal models.
 - g. Molds and Casts (Activities 16 & 17): Display three molds and/or casts in a display box. Describe the steps that you followed to create a mold or cast.
2. Turn in a completed record sheet.

Level 2 (Grades 6 – 8)

MANUAL: 4-H 986 Geology 2, Record Sheet 4-H 986 a-W

Exhibit:

1. Display a poster (or use an exhibit box) based on one of the following activities:
 - a. Rocks with Different Textures: Identify and display six rocks with three very different textures (two rocks of each general type). Include three grades of sandpaper and show how the differences in sandpaper are similar to the differences in rock texture.
 - b. Indiana Limestone: Show and label pictures or photographs of ten buildings, sculptures, or monuments made from Indiana limestone.
 - c. Mineral properties and tests: Explain the characteristics: crystal form, cleavage, hardness, appearance, and streak. Explain tests used in identifying specimens. Examples you might include are streak, acid, hardness, chemical analysis, and specific gravity.
 - d. How We Use Minerals: Show 10 common products that contain minerals. Explain the minerals that are contained in these products and the characteristic that makes them useful.
 - e. Geologic Time: Create a display to show the major geologic eras. Indicate the names, specific features, and approximate length of each.
 - f. Indiana's Glaciers: Show the extent of Indiana's three main glaciers.
 - g. Indiana Geology: Exhibit a map or sketch of Indiana showing at least ten sites with interesting geological formations. Describe the formation and sketch or show a picture of the formation.
 - h. Field Trip: Describe a geology field trip that you took. Describe where you went and what you learned. Include photographs (if possible) or sketch what you saw.
 - i. Collections: Display and identify one of the following: 8-16 minerals, fossils, or 4-8 of each (half minerals and half fossils). You may exhibit a new collection in subsequent years but not one you have already exhibited.
2. Turn in a completed record sheet.

Level 3 (Grades 9 – 12)

MANUAL: 4-H 987 Geology 3, Record Sheet 4-H 987a-W

Exhibit:

1. Display a poster (or use an exhibit box) based on one of the following activities:
 - a. Geology Research: Prepare a display to teach others about the topic you studied. Include an appropriate title, abstract (brief description of your topic), and photographs, drawings, charts, or graphs that help explain your topic. This activity may be repeated if a new topic is chosen in subsequent years.
 - b. Lapidary and Jewelry: Show how stones and minerals are turned into polished stones and jewelry. Show and explain the steps involved.
 - c. Miniatures: Display five miniatures in a display box and explain the benefits of collecting miniatures and how they are prepared.
 - d. Indiana's State Parks or Forests: Create a matching game of Indiana's State Parks or Forests and a brief description. This exhibit option should include geological feature or the park or forest.
 - e. Indiana, U.S., or World Geology: Teach others about one Indiana, U.S., or World Geology topic.
 - f. Career Exploration: Prepare a display that explains your interview with someone who needs an understanding of geology to do their job.
2. Turn in a completed record sheet.



Level: Independent Study (Grade 9-12)

Exhibit:

1. Advanced topic- learn all you can about a geology topic and present it on a poster. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster, "advanced Geology – Independent Study"
2. Mentoring – exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Resources must be from educational or government entities. Title you poster, "Advanced Geology – Mentor"

COLLECTIONS & HOBBIES: GIFT WRAPPING

STATE FAIR: None.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: County Manual (used all years in project), 1st year members receive Magic Bows Information Sheet

RECORD SHEET: Gift Wrapping Record Sheet

LEVEL 1 (Grades 3 – 5)

Grade 3

1. Must wrap three (3) packages during the year, not including the exhibit package. You may want to do more.
2. Practice making neat seams, folding the edges of the paper under to create a straight, nicely creased edge.



Exhibit:

1. Wrap one (1) shirt box (approximately 14 ½" long x 9" wide x 2 ¼" deep). **DO NOT** include an article in exhibit package.
2. No bow, ribbon or decoration of any kind should be added to the package.
3. Judging will be based on neatness only.
4. A small card should be attached underneath the package but not covering the seam with the following information: Occasion; Age of person receiving the gift; and is the gift for a male or female?
5. Attach exhibit card on the bottom of package but not covering the seam.
6. Turn in a completed record sheet.

Grade 4

1. Must wrap three (3) packages during the year, not including the exhibit package. You may do more.
2. Learn to make simple, self-made bows with loops. **Bow makers may NOT be used.**
3. Decorate the outside of the box to accent the contents, such as if a shirt, decorate the outside with a tie, etc.

Exhibit:

1. Wrap one (1) shirt box (approximately 14 ½" long x 9" wide x 2 ¼" deep).
2. A self-made bow with loops is to be attached to the package.
3. A small card is to be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of person receiving the gift; and is the gift for a male or female?
4. Exhibit card should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
6. Turn in a completed record sheet.

Grade 5

1. Wrap three (3) packages during the year, not including the exhibit package. You may do more.
2. Be creative and imaginative by incorporating fancy ideas like flowers, bells, animals, leftover cards, etc.
3. Learn to wrap a suit box or large, deep box.
4. Make and use self-made bows only. **Bow makers may NOT be used.**

Exhibit:

1. Wrap one (1) package either square or rectangle not to exceed 24" in any direction.
2. A self-made bow with loops is to be attached to the package.
3. A small card is to be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of person receiving the gift; and is the gift for a male or

- female?
4. Exhibit card should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
 5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
 6. Turn in a completed record sheet.

LEVEL 2 (Grades 6 – 8)

Grade 6

1. Must wrap four (4) packages during the year, not including the exhibit package. You may always do more. Remember, skill comes with practice.
2. Wrap large, deep packages with or without commercial wrapping paper and self-made bows. **Bow makers may NOT be used.**
3. Practice lining insides of boxes neatly with tissue paper.

Exhibit:

1. Wrap one (1) large, deep box (no rim) approximately 9" x 9" x 9".
2. A self-made bow with loops is to be attached to the package.
3. A small card is to be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of person receiving the gift; and is the gift for a male or female?
4. Exhibit card should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
6. Turn in a completed record sheet.

Grade 7

1. Must wrap four (4) packages during the year, not including the exhibit package. May design and use your own paper on at least two of these packages. Suggestions and ideas are found in the section pertaining to paper in the manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Wrap one (1) small, jewelry type box (approximately 4" long x 4" wide x 1/2" deep or 6" long x 2" wide x 1/2" deep).
2. A self-made bow with loops is to be attached to the package.
3. A small card should be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of person receiving the gift; and is the gift for a male or female?
4. Exhibit card should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
6. Turn in a completed record sheet.

Grade 8

1. Must wrap four (4) packages during the year, not including the exhibit package. May design and use your own paper on at least two of these packages. Suggestions and ideas are found in the section pertaining to paper in the manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Wrap one (1) package with top and bottom wrapped separately. Lid must be removable in order to judge the inside of the box. Box must have tissue inside.
2. A self-made bow with loops is to be attached to the package.
3. A small card should be attached underneath package but not covering the seam with the following

- information: Occasion; Contents of Package; Age of the person receiving the gift; and is the gift for a male or female?
4. Exhibit card should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
 5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
 6. Turn in a completed record sheet.

LEVEL 3 (Grades 9 – 12)

Grade 9

1. Must wrap five (5) packages during the year, not including the exhibit package. May design and use your own paper on at least three of these packages. Suggestions and ideas are found in the section pertaining to paper in your manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Wrap one (1) package of any shape or size with non-commercial paper and a self-made bow that contains loops. (See Gift Wrap manual for ideas of non-commercial papers).
2. A small card should be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of the person receiving the gift; and is the gift for a male or female?
3. Exhibit tag should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
4. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
5. Turn in a completed record sheet.

Grade 10

1. Must wrap five (5) packages during the year, not including the exhibit package. May design and use your own paper on at least three of these packages. Suggestions and ideas are found in the section pertaining to paper in the manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Wrap one (1) cylinder shaped package not to exceed 24" in any direction. The ends must be covered.
2. A self-made bow with loops must be included.
3. A small card should be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; HOW TO OPEN THE PACKAGE; Age of person receiving the gift; and Is the gift for a male or female?
4. Exhibit tag should be filled out completely and tied to the top of the package within the ribbon or bow so it can be easily moved when being judged.
5. Judging will be based on neatness, originality, creativity, and the appropriateness of materials chosen.
6. Turn in a completed record sheet.

Grade 11

1. Must wrap five (5) packages during the year, not including the exhibit package. May design and use your own paper on at least three of these packages. Suggestions and ideas are found in the section pertaining to paper in the manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Individually wrap a series (of not more than three) of boxes in tiers.
2. Package must include a self-made bow with loops.
3. A small card should be attached underneath the package but not covering the seam with the following

- information: Occasion; Contents of Package; Age of the person receiving the gift; and is the gift for a male or female?
4. Exhibit tag should be filled out completely and attached to the top of the package so it can be easily removed when being judged.
 5. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
 6. Turn in a completed record sheet.

Grade 12

1. Must wrap five (5) packages during the year, not including the exhibit package. May design and use your own paper on at least three of these packages. Suggestions and ideas are found in the section pertaining to paper in the manual.
2. Make your own bows and trimmings. Some suggestions to use in place of ribbon and bows are yarn, strips of fabric, pine cones, small articles, felt, burlap flowers, fabric flowers, etc. By now you should have gained skill and knowledge enough to create a "work of art". **Bow makers may NOT be used.**

Exhibit:

1. Wrap two (2) separate coordinating packages using any materials other than paper and bows. The two packages must be physically connected in some manner.
2. A small card should be attached underneath the package but not covering the seam with the following information: Occasion; Contents of Package; Age of the person receiving the gift; and is the gift for a male or female?
3. Exhibit tag should be filled out completely and attached to the top of the package so it can be easily removed when being judged.
4. Judging will be based on neatness, originality, creativity and appropriateness of materials chosen.
5. Turn in a completed record sheet.

GOATS (Boer, Dairy, and Pygmy)

STATE FAIR: Separate entries must be made to participate. See State Fair Guidelines for more information.

OBJECTIVE: The 4-H goat educational program and related activities (such as workshops, tours) provide youth a fun and hands-on learning experience which develops both goat subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications) under the direction of caring adults.

MANUAL: 4-H 135R Goat Resource Handbook (one per family)

RECORD SHEET: Grade specific.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/> for more information.

1. 4-H members may enter goats of more than one breed.
2. All goats must wear a well-fitting collar and have a tie chain available.
3. All goats should have trimmed hooves and be well groomed.
4. Member must be enrolled in the Goat Project by January 15th.
5. All 4-H members must be enrolled by State 4-H Enrollment deadline. 4-H members submitting their forms after May 15th will not be eligible to show at the county fair. Each goat must be listed on the enrollment form by identification number, breed, sex, date of birth, tattoo, and in the member's possession by **MAY 15th!**
EXCEPTION: All offspring born out of doe in possession - unborn kids must be listed as "kids out of (Dam's identification number)" on the enrollment form.
6. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
7. **All 4-H goat members MUST BE YQCA certified by June 1.**
8. All goats must be polled, disbudded, or dehorned; except Boer does. ONLY Boer does will be allowed to have horns at the Howard County 4-H Fair.
9. **ALL** female goats must have a legible tattoo in order to be shown.
10. There will be no buck classes.
11. Not more than 10 goats may be entered and exhibited at the county fair by any one exhibitor, and not more than two (2) females in any one class. Only three (3) wethers per exhibitor may be entered and exhibited at the county fair, but only one (1) wether per exhibitor may be sold in the auction.
12. All record Sheets are required for project completion and are due at the end of the check-in time for each individual project. If a Record Sheet is not turned in for a Livestock Project, the project will move to the bottom of the auction order for that species. Record Sheets will not affect eligibility for State Fair.
13. All exhibitors are responsible for the cleanliness of their pens and walkways.

14. A 4-H member must be present and show their own animal. (Refer to livestock rule #9).
15. Ages of animals calculated as of show date.
16. In the event of conflict of general rules or any matter not covered by rules, the Goat Superintendent will govern in consultation with the Extension Educator.
17. Showmanship: For showmanship rules, see the Showmanship Guidelines. This includes divisions.

BOER GOATS

1. All goats should be well groomed. Boer goats are not required to be clipped, however short glossy hair is desirable.
2. **All Boer wethers** must be ear tagged with the 5-digit county ear tag.
3. Boer goat wethers will have a five digit ear tag by May 15th. Those wanting to be eligible for the Indiana State Fair are also required to be retinal scanned by May 15th.
4. All female boer goats must have a legible tattoo in order to be shown.
5. All percentage and fullblood boer goats will show together.
6. There must be a minimum of five (5) goats in any class for that class to be judged separately. Otherwise, the classes will be divided by age into nearly equal numbers.

BOER GOAT CLASSES:

Wethers:

1. Market Class (Wethers only). Classes are by weight, determined after weigh-in. The minimum weight for Boer wethers is 50 lbs. A Grand Champion Boer Wether will be selected from market class winners.
2. All boer goat wethers under minimum weight (50 pounds) will be allowed to show but will **NOT** be allowed to compete for Grand Champion or sell in the auction.
3. All wethers must be shown with milk teeth in place.
4. Wethers must be born after September 1 of previous year to be eligible to show.

Does:

1. Junior Doe Classes
 - a. under 3 months of age
 - b. 3 months old to under 6 months old
 - c. 6 months old to under 9 months old
 - d. 9 months old to under 12 months old
 - e. Champion Junior Doe (from classes a, b, c, and d)
 - f. Reserve Champion Junior Doe
2. Yearling Doe Classes
 - a. 12 months old to under 16 months old
 - b. 16 months old to under 20 months old
 - c. 20 months old to under 24 months old
 - d. Champion Yearling Doe (from classes a, b, and c)
 - e. Reserve Champion Yearling Doe

3. Senior Doe Classes
 - a. 24 months old to under 30 months old
 - b. 30 months old to under 36 months old
 - c. 36 months old and older
 - d. Champion Senior Doe (from classes a, b, and c)
 - e. Reserve Champion Senior Doe

DAIRY GOATS

1. All dairy goats should be clean clipped within thirty (30) days preceding the show. Clip the entire goats only leaving the tail in a pom-pom or brush out.
2. **All dairy wethers** must have an individual/unique permanent tattoo in the ears (except LaMancha goats which would be in the tail web). The tattoo must include a herd id and animal id.
3. 4-H members must milk their own goat(s) during the milk production contest. Any assistance in milking must first be approved by the goat superintendent.
4. All breeds show in the same class. However, if there are a minimum of five (5) goats of a breed (Alpine, LaMancha, Nigerian Dwarf, Oberhasli, Saanen, Nubian, Recorded Grade, or Toggenburg) in any class, that breed will be judged separately.
5. If a class numbers more than 10 and there is not a minimum of 5 goats of a breed, the class will be divided by age into nearly equal numbers.
6. Breeds will be determined by a committee of three appointed by the Goat Superintendent. Objection by the exhibitor to the breed designation may be resolved by presenting registration or recordation papers.
7. A pre-show milk out time will be established by the superintendents. This means that you may milk any time of day or night you desire but you must milk all goats dry at established time on show day. A superintendent will check them.
8. All goats competing for championship honors that are in milk may be required by the judge to be milked before making final placing.

DAIRY GOAT CLASSES:

Wethers:

1. Market Class (Wethers only). Classes are by weight, determined after weigh-in. The minimum weight for dairy wethers is 30 lbs. A Grand Champion Dairy Wether will be selected from the market class winners.
2. All dairy goat wethers under minimum weight (30 pounds) will be allowed to show but will **NOT** be allowed to compete for Grand Champion or sell in the auction.
3. Wethers must be born after September 1 of previous year to be eligible to show.

Does:

1. Junior Kid: born on or after April 1st of current calendar year and on or before June 15th of current calendar year.
2. Senior Kid: born January 1st to March 31st of current year.
3. Dry Yearling: one year and under two years that has never freshened.
 - a. Champion Junior Doe (from Classes 1, 2 and 3)
 - b. Reserve Champion Junior Doe



4. One year and under two years, milking.
5. Two years and under three years, milking.
6. Three years and under five years, milking.
7. Five years and over, milking.
 - a. Champion Senior Doe (from Classes 4, 5, 6 and 7)
 - b. Reserve Champion Senior Doe
 - c. Grand Champion Doe
 - d. Reserve Grand Champion Doe.
8. Dam and Daughter: both must have been shown in singles class. Dam and daughter are considered one entry.
9. Produce of Dam: to consist of two (2) does, any age, the produce of one dam. Each exhibitor limited to one entry by the same dam.

PYGMY GOATS

1. All goats should be well groomed. Pygmy goats are not to be clipped.
2. **All pygmy wethers** must have an individual/unique permanent tattoo in the ears. The tattoo must include a herd id and animal id.

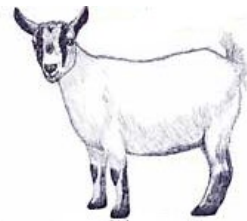
PYGMY GOAT CLASSES:

Wethers:

1. Three (3) wethers per exhibitor may be entered and exhibited.
2. Wethers will be divided into three age group classes.
 - a. Junior Wether: wethers under 1 year of age
 - b. Intermediate Wether: wethers 1 year of age to under 2 years of age
 - c. Senior Wether: wethers 2 years of age and under 4 years of age

Does:

1. Junior kid: born on or after April 1ST of the current calendar year.
2. Senior kid: born January 1st to March 31st of the current year.
3. Advanced Senior Doe: born prior to January 1st of the current year.
4. Dry yearling: one year and under two years that has never freshened.
 - a. Champion Junior Doe (from classes 1, 2, 3 and 4)
 - b. Reserve Champion Junior Doe
5. One year and under 2 years.
6. Two years and under three years.
7. Three years and under five years.
8. Five years and over.
 - a. Champion Senior Doe (from Classes 5, 6, 7 and 8)
 - b. Reserve Champion Senior Doe
- a. Grand Champion Doe
- b. Reserve Grand Champion Doe
9. Dam & Daughter: both must have been shown in single class. Dam & daughter are considered one entry.
10. Produce of Dam: to consist of two (2) does, any age, the produce of one dam. Exhibitor limited to one entry by the same dam.



BOAH HEALTH AND EXHIBITION REQUIREMENTS:

A. Limitations on Exhibition

This section describes limitations on exhibiting animals in Indiana. Other exhibition limitations may be described in the species-specific requirements that follow.

1. Failure to meet all animal health requirements will result in removal of animals from the exhibition premises.
2. The following animals are not eligible for exhibition in Indiana:
 - a. Animals that originate from a herd that is under quarantine.
 - b. An animal prohibited from exhibition under any law or order.
 - c. Any animal classified as a brucellosis "suspect".
 - d. Animals showing signs of any infectious or communicable disease or that are a health hazard to people or other animals.
 - e. Any animal that does not meet state animal health requirements.
3. Any animal that develops or shows signs of any infectious or communicable disease during exhibition must be removed from the premises, including the surrounding exhibition grounds. An owner who is disputing the exclusion of his/her animal(s) from exhibition may not exhibit the animal in question pending any appeal.

The State Veterinarian is authorized to make the final determination as to an animal's eligibility for exhibition. The state veterinarian may order removal of any animal from the exhibition grounds.

Exhibition organizers may impose health requirements in addition to those prescribed by BOAH. Added requirements may not contradict requirements imposed by BOAH.

Exhibition organizers may have a licensed and accredited veterinarian review animals and animal health documentation during the exhibition.

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.
2. No goats may be exhibited that are showing signs of being infected with ringworm.

3. Identification: (Only wethers under the age of 18 months do not require scrapies program identification)

All exhibition animals must be permanently and individually identified by an acceptable method. Official ear tags are tags approved by the USDA. Official ear tags must bear the US shield to be considered official identification (official ear tags placed before March 11, 2015 that do not have the US shield will be accepted.) Official identification acceptable for specific species of livestock exhibited in Indiana are as follows:

- Scrapie program flock tags
- Electronic implant (goats only), for breed-registered animals only when noted on registration paperwork
- Tattoo, if accompanied by registration papers with tattoo noted
- Tattoo of the scrapie flock ID number along with an individual animal ID number

For more information on goat health requirements, call the Indiana State Board of Animal Health (317) 544-2400 or visit BOAH's website at: www.in.gov/boah/2421.htm. To obtain identification tags (scrapie tags) for sheep/goats or additional information about the scrapies identification program, contact Theresa Schuck at 317-697-9478.

HEALTH

STATE FAIR: One State Fair entry will be selected in each level in Health that fits requirements.

DIVISIONS/LEVELS:

- | | |
|----------------|---------------|
| Level 1 | Grades 3 – 5 |
| Level 2 | Grades 6 – 8 |
| Level 3 | Grades 9 – 12 |

PROJECT MANUALS:

- **Completed project manuals and record sheets must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities. These will be recorded on the scorecard.

NOTES:

1. Poster topics are broad to allow youth an opportunity to be creative. Posters should be 22" x 28" displayed horizontally with rigid background and covered with plastic.
2. Public Service Announcements (PSA's) can be done for a magazine, newspaper, television or radio. Magazine and newspaper ads should be on poster board as described above. Television ads should be put on videotape labeled with name, county and title of PSA. Radio ads should be put on a cassette tape labeled with name, county and title of PSA. Both the television and radio ad should include a printed script.
3. Computer programs should be put on a 3.5" disk, zip disk or CD ROM. At the county level, the 4-H member is responsible for providing the computer for the judges to view the program. Computers will be provided at state fair for judges to view programs.

LEVEL 1: FIRST AID IN ACTION (Grades 3 – 5)

MANUAL: BU-8174 First Aid in Action, 4-H Health Record Sheet 4-H 8174A-W

Grade 3 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level A:
 - i. First Aid for Cuts and Scrapes
 - ii. First Aid for Choking
 - iii. First Aid for Strains, Sprains, and Bruises
 - b. A family first aid kit
2. Turn in completed manual with exhibit.

Grade 4 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level A.
 - i. First Aid for Treating Nosebleeds
 - ii. First Aid for Foreign Objects
 - iii. First Aid for Stings or Bites
 - b. A family first aid kit (including at least 1 Make Your Own item discussed in your 4-H manual)
2. Turn in completed manual with exhibit.

Grade 5 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level A:
 - i. First Aid for Poisons
 - ii. First Aid for Broken Bones
 - iii. First Aid for Burns
 - b. A family kit for an emergency (tornado, snowstorm, no electricity, fire, etc.)
2. Turn in completed manual with exhibit.

LEVEL 2: STAYING HEALTHY (Grades 6 – 8)

MANUAL: BU-8175 Staying Healthy, 4-H Health Record Sheet 4-H 7184A-W

Grade 6 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level B:
 - i. Human viruses or bacteria
 - ii. Keeping hair, skin, nails, teeth, ears or eyes clean
 - b. A report of three activities you completed in the 4-H manual

2. Turn in completed manual with exhibit.

Grade 7 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level B.
 - i. Nutrient rich "Power" foods
 - ii. Healthy snacks
 - iii. Appropriate portion sizes
 - b. A report of three activities you completed in the 4-H manual

2. Turn in completed manual with exhibit.

Grade 8 - Exhibit:

1. One of the following:
 - a. A poster on one of the following topics or any other topic covered in Level B:
 - i. The importance of eating breakfast
 - ii. The importance of physical activity
 - iii. Turning everyday activities into exercise opportunities
 - b. A report of three activities you completed in the 4-H manual

2. Turn in completed manual with exhibit.

LEVEL 3: KEEPING FIT (Grades 9 – 12)

MANUAL: BU-8176 Keeping Fit, 4-H Health Record Sheet 4-H 7184A-W

Exhibit:

1. One of the following:
 - a. A poster on a topic covered in Keeping Fit: Fitness Activities for Youth.
 - b. A report of three activities you completed in the 4-H manual.

2. Turn in completed manual with exhibit.

HOME ENVIRONMENT

STATE FAIR: Six State Fair entries (two from each level) will be selected from Home Environment that fit requirements.

DIVISIONS/LEVELS

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

NOTES:

- 4-H members at each grade level may choose from three possible exhibit categories: a furniture item and notebook, a design board (poster and notebook), **OR** a portfolio (notebook). Level 3 participants will also have a fourth choice: independent study.
- Each level has several options per category from which to choose. We suggest that 4-H members either choose a different option each year or show how they expanded on the same option (portfolio and furniture categories only) used in previous years.

CATERGORIES

- Furniture Item and Notebook – An actual piece of furniture accompanied by a standard notebook (3-ring binder) explaining the who, what, when, where, why, and how of the chosen project. We suggest including pictures showing where the item will be used. Also, we encourage 4-H members to include pictures of themselves doing the project, but this is not required. Always place your identification information in the notebook and on the furniture.
- Design Board and notebook – standard 22" x 28" poster, displayed horizontally with a firm backing. Design boards must be covered with plastic to protect and help hold items in place. An identification name tag must be attached in the lower right corner. The notebook is to help explain the who, what, when, where, why, and how of the chosen design. This can be a "before and after project" or "plan in the future" project.
- Portfolio – standard notebook (3-ring binder). If 4-H members choose to do this option more than one year, we suggest that they keep the previous year's materials in the notebook. Place materials for the current year in the front, with the previous year's materials clearly marked or labeled at the back. Always place your identification information in the notebook.

OTHER INFORMATION

- Color samples – These can be paint samples from a paint or hardware store, or color samples the 4-H member makes with paints or colored pencils.
- Other samples – Many hardware or home improvement stores have free samples of wall coverings, flooring, countertops, and cabinet materials that can be used with the 4-H member's design board or portfolio.
- Colored pencils – We suggest using colored pencils when coloring the design board or portfolio. Colored pencils are what professionals use! Keep in mind that the entire area does not need to be colored in, but be sure to apply enough color to adequately express design ideas. Other methods for coloring will also be accepted. These could include (but are not limited to): crayons, watercolor pencils, markers, or printing on the computer.



LEVEL 1 (Grades 3 – 5)

Manual: 4-H 1011-W Home Environment: Color, Texture, Line, and Shape

Record Sheet: 4-H 1011a-w

Exhibit Card: 4-H Home Environment Card 4-H 1011d-w

Exhibit one of the following:

1. Furniture Options: Exhibit any of the following items demonstrating color, texture, and/or line and shape that would help complete a room. Include your notebook. (See "Furniture Item and Notebook" explanation above.)
 - A hanging or wall hanging item
 - A storage item or organizer item for room or the home.

- 3 - 5 accessory items for your chosen room
2. Design Board Options:
 - Color the line drawing found in 4-H 101-1 Home Environment manual titled Color, Texture, Line, and Shape with colored pencils. Print a line drawing from the options available on the Indiana 4-H website: www.four-h.purdue.edu look under "projects" and then Home Environment. Create three different color schemes for the line drawing you have chosen. Label the type of color scheme used in each (e.g., monochromatic, analogous, complementary, warm, or cool). Include your 3-ring notebook.
 - Color the line drawing found in 4-H 101-1 Home Environment manual titled Color, Texture, Line, and Shape using one color option. Line drawings can be printed from the Indiana 4-H website: www.four-h.purdue.edu look under "projects" and then Home Environment. Use color to explain dominant and supportive colors. Attach color samples to identify two additional color options. Include your 3-ring notebook.
 - Display a floor plan for a bedroom showing line and shape where furniture would be placed (could be your own). Include pictures (magazine or photographs) of the furniture that would be used. We suggest using graph paper to help get the drawing close to scale and to show how line and shape work with the furniture. Include your 3-ring notebook.
 3. Portfolio Options:
 - Collect samples of different color schemes (minimum of three), and label the type represented by each (e.g., monochromatic, analogous, complementary, warm, or cool).
 - Collect samples from magazines or photographs of formal vs. informal balance, dominant and supportive color, and use of pattern. Include comments explaining each.
 - Collect samples from magazines of three different furniture designs. Label each style (e.g., traditional, modern, country, formal, or retro). Include information explaining each style.

LEVEL 2 (Grades 6 – 8)

Manual: 4-H 1012 Home Environment: Design Decisions

Record Sheet: 4-H 1011a-w

Exhibit Card: 4-H Home Environment Card 4-H 1011d-w

Exhibit one of the following:

1. Furniture Options: Exhibit any of the following items demonstrating color, texture, and/or line and shape that would help complete a room. Include your notebook. (See "Furniture Item and Notebook" explanation above.)
 - One piece of furniture the 4-H member has refinished.
 - One piece of furniture the 4-H member has changed using decoupage, paint, fabric, etc.
 - One cushion or one 2-piece set of cushions, preferably made by the 4-H member, displayed with intended furniture
 - One window treatment, including picture of the treatment in use. (Should not be displayed on an actual window; use false walls or plywood no-glass window cutouts, or make special display rods.)
 - One piece of furniture that the 4-H member has reupholstered.
 - One item that you are using for a different purpose than it was originally designed for (e.g., bed sheet used to make a window treatment, drawer used as a wall shelf).
 - A collection of 3-5 similar items (baskets, wicker items, wicker furniture, bentwood furniture, etc.) that you have made and/or purchased for future use. (For example a collection of baskets made to use as desk accessories or bathroom accessories, outdoor furniture and accessories, etc.)
2. Design Board Options:
 - Display a floor plan for a living room, den, or family room. Include pictures (magazine or photographs) of the furniture that would be used. We suggest using graph paper to help get the drawing close to scale and to show where the furniture would be placed. Include paint samples and/or wall-treatment samples. Include your 3-ring notebook.
 - Display a floor plan for a full bathroom (toilet, sink, and shower and/or bathtub). Include pictures (magazine or photographs) of the fixtures that would be used. We suggest using graph paper to help get the drawing close to scale and to show where the fixtures would go. Include paint samples and/or wall-treatment samples, and flooring samples. Include your 3-ring notebook.

- Display a floor plan for a kitchen (including appliances and sink). Include pictures (magazine, appliance brochure, or photographs). We suggest using graph paper to help get the drawing close to scale and to show where the fixtures would go. Include paint samples and/or wall-treatment samples, flooring samples, and cabinet and/or countertop samples. Include your 3-ring notebook.
3. Portfolio Options:
- Samples of three different types of wall treatments with an explanation for each. Examples can include but are not limited to: paint only, wallpaper only, or combination of paint and wallpaper.
 - Samples of three different floor treatments (pictures or flooring samples). Examples can include but are not limited to: hardwood, carpet, and/or tile. Include information on the advantages and disadvantages of each. Also include information on where it would be appropriate to use each flooring type.
 - Samples of three different cabinet/countertop combinations (pictures or samples). Examples can include but are not limited to: granite, laminate, and/or stainless steel. Include information about the advantages and disadvantages of each.
 - An energy-savings plan. Design an energy-savings plan for your family's home or room(s). List the current energy use along with your plan to conserve energy. Plan should include techniques, how to conserve energy, cost savings, etc. You may add additional rooms or other plans to extend this option over a few years. Include each previous year's work, but be sure that you indicate which information represents the current year's work.

LEVEL 3 (Grades 9 – 12)

Manual: 4-H 1012 Home Environment: Design Decisions

Record Sheet: 4-H 1011a-w

Exhibit Card: 4-H Home Environment Card 4-H 1011d-w

Exhibit one of the following:

1. Furniture Options: Exhibit any of the following items demonstrating color, texture, and/or line and shape that would help complete your room along with your notebook. (See "Furniture Item and Notebook" explanation above.)
 - One piece of furniture the 4-H member has refinished.
 - One piece of furniture the 4-H member has changed using decoupage, paint, fabric, etc.
 - One cushion or one 2-piece set of cushions, preferably made by the 4-H member, displayed with intended furniture
 - One window treatment, including picture of the treatment in use. (Should not be displayed on an actual window; use false walls or plywood no-glass window cutouts, or make special display rods.)
 - One piece of furniture that the 4-H member has reupholstered.
 - One item that you are using for a different purpose than it was originally designed for (e.g., bed sheet used to make a window treatment, drawer used as a wall shelf).
 - A collection of 3-5 similar items (baskets, wicker items, wicker furniture, bentwood furniture, etc.) that you have made and/or purchased for future use. (For example a collection of baskets made to use as desk accessories or bathroom accessories, outdoor furniture and accessories, etc.)
2. Design Board Options:
 - Display a floor plan for a child's or teen's bedroom. Include a special "theme" appropriate for a child or teen (e.g., princess, cartoon character, music group, favorite book, or special hobby). Include pictures (magazine or photographs) of the furniture that would be used. Floor plan should be to scale with general measurements included. Include samples of window, wall, and flooring treatments. Include your 3-ring notebook.
 - Display a floor plan for a game room or family hobby room (e.g., room with pool table, ping pong table, and/or game table; home theater; or music room). Include pictures (magazine or photographs) of the furniture that would be used. Floor plan should be to scale with general measurements included. Include samples of window, wall, and flooring treatments. Include your 3-ring notebook.
 - Display a floor plan of master suite (bedroom and bath). Include pictures (magazine or photographs) of the furniture that would be used. Floor plan should be to scale with general measurements included. Include samples of window, wall, and flooring treatments, etc. This exhibit

must also include fabric samples (e.g., bedspread, window treatment). Include your 3-ring notebook.

- Display a floor plan of a one- or two-bedroom home or apartment. Include color scheme samples and furniture layouts. Floor plan should be to scale with general measurements included. Window, wall, and flooring treatment samples should be included for each room. (Pictures of furniture are not a requirement.) Include your 3-ring notebook.

3. Portfolio Options:

- Samples of three different lighting treatments. Explain how and when each is appropriate for use. Examples include but are not limited to: overhead, recessed, and table/floor lamps. Include information as it relates to energy use and efficiency.
- Samples of three different types of window treatments. Include information on the use of each kind and in what room each would be appropriate. Include information on the advantages/disadvantages of each. Also, include information as it relates to energy use and efficiency.
- Using the same window (size and shape), apply three different types of window treatments. Explain the advantages and disadvantages of each. Explain what type of setting (formal, country, traditional, modern, etc.) would be appropriate for each treatment. Include information related to energy use and efficiency.
- A career plan. Interview an interior designer. Include the advantages and disadvantages of being a professional interior designer. Research two different design schools or training programs. Include the advantages and disadvantages of each program. Include the cost of attaining a degree or completing the program.
- An energy-savings plan. Design an energy-savings plan for your family's home or room(s). List the current energy use along with your plan to conserve energy. Plan should include techniques, how to conserve energy, cost savings, etc. You may add additional rooms or other plans to extend this option over a few years. Include each previous year's work, but be sure that you indicate which information represents the current year's work.

4. Independent Study Option: Youth in grades 9 - 12 have the option of doing an independent study project. Those 4-H members who choose this option must review their ideas with their 4-H Youth Development Extension Educator and/or Home Environment project leader to make sure they have selected an appropriate topic/exhibit.

HORSE & PONY

STATE FAIR: Separate entries must be made to participate. See State Fair Guidelines for more information.

OBJECTIVE: The Horse and Pony project aims to help 4-H members to develop leadership, initiative, self-reliance and sportsmanship. An important objective of this project is for the 4-H member to experience the pride of owning a horse or pony and being responsible for its management. The 4-H Horse and Pony project will help boys and girls develop an appreciation of horseback riding as a healthy and wholesome form of recreation.

MANUAL: 4-H 661 Indiana Horse and Pony Handbook (1 per family) and 4-H 174 Beginning Horse Management

RECORD SHEET: Grade specific.

PROJECT MANUALS:

- **Completed record sheets must be turned in at check-in on your first day of show.**

NOTE: Visit <http://www.four-h.purdue.edu/horse/> for more information.

1. Members are encouraged to participate in the workshops held by the Horse & Pony Club for the project.
2. The Club may adopt any other rules in addition to the following concerning their activities as long as they are in accordance with the General 4-H Rules and Regulations as governed by the Howard County 4-H Exhibit Association. Changes in the following rules must be submitted to the 4-H Exhibit Association at their September meeting for their final approval.
3. Project members must have access to a horse and pony, either by actual ownership, partnership or a leasing agreement approved by the 4-H Leader and Extension Educator. Lease agreement forms are available from the Extension Office. See Rule #3 under Livestock Exhibits Rules for further information on ownership and partnership requirements.
4. **Members must be enrolled in the project by the State 4-H enrollment deadline!** The Horse & Pony enrollment and ownership process must be completed by MAY 15th. *A color photograph of your horse must be uploaded as part of your Horse & Pony Enrollment regardless of State Fair participation.* Members must have their animal(s) under their care and records started by MAY 15th.
5. A 4-H member may enter as many animals as desired.
6. No stallions are eligible to show except for weanlings.
7. Weanlings, yearlings, and two year olds must be shown as the height of the dam except if the height exceeds that of the dam.
8. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
9. All classes shall be judged by the Indiana 4-H Horse and Pony Handbook (per current edition) rules including tack and attire. Member may receive one copy free during his/her tenure in 4-H. Additional copies will have a charge.
10. Any rule regarding Indiana State Fair participation and competition will be amended to include county participation and competition requirements. This means if the rule book states "Indiana State Fair eligibility" this will include "Howard County eligibility" also.

11. **JUDGE'S DECISION WILL BE FINAL.**

12. There will be six (6) placings in each class.

13. Animals may only be shown or ridden once in any one class.



14. **All animals must meet the vaccination requirements for Eastern and Western Encephalomyelitis, Rhinopneumonitis/EHV type 1 and 4, Equine Influenza, Tetanus and Rabies. A completed vaccination form signed by a licensed veterinarian must be provided at check in.** **Equine**

15. All animals must be sound and healthy. Any questionable animal may be removed by a licensed veterinarian.

16. All animals must enter and exit the show arena in a controlled manner for gaming classes only.

17. All 4-H members are required to wear a properly fitted ASTM or SEI standard F1163 (or above) certified helmet whenever mounted, or driving, at a 4-H horse and pony event, show, or activity. The 4-H member is responsible to see that this specified headgear is properly fitted with the approved harness fastened in place whenever mounted. Original tags must be present in all approved helmets. This policy applies to all county, area, and state 4-H horse and pony events, shows, and activities.

18. 4-H members must show their own animals unless physically unable to do so. In case of injury or sickness, the owner may have the animal shown by another Howard County 4-H member with the approval of the project superintendent. 4-H members who have two entries in a Champion Class may have another 4-H member show one of their animals. See Rule #9 under Livestock Exhibit Rules.

19. Qualification will no longer be required for the Indiana State Fair 4-H Horse and Pony show. The following changes will be made to the State Fair entry process:

- a. All State Fair 4-H Horse and Pony entries will be due July 1st of the current year.
- b. Any current 4-H member in Grades 3 – 12 may exhibit.
- c. 4-H members may enter a total of three (3) classes in one division (i.e. Western, English, Contesting).
- d. It is **STRONGLY RECOMMENDED** that 4-H members have successfully completed the skills in the class they wish to enter at an Area or county show.

20. All Club members are expected to adhere to the principles of acceptable behavior including a respect for the other person's rights and property, refrain from foul and abusive language or intimidation, and all other actions deemed contrary to the principles and intent of the 4-H program. All actions on and off horses are subject to the show committee.

21. **BEHAVIORAL EXPECTATIONS OF 4-H MEMBERS:** 4-H members, when participating or acting on behalf of the 4-H program, are expected to conduct themselves in accordance with the accepted standards of social behavior, to respect the rights of others, and to refrain from any conduct which may be injurious to the 4-H program. The following actions constitute misconduct for which 4-H members may be subject to disciplinary penalties:

- a. Dishonesty in connection with any 4-H activity by cheating or knowingly furnishing false information.
- b. Alteration or the unauthorized use of 4-H records.
- c. Obstruction or disruption of any 4-H activity or aiding and encouraging other persons to engage in such conduct.
- d. Failure to comply with specific rules of a given project, contest, or activity.
- e. Failure to comply with directions of 4-H officials acting in the proper performance of their duties.

PENALTIES: If, in the opinion of the state 4-H leader or designee, evidence of alteration and/or excessive outside help and/or unethical preparation and/or misconduct is noted, the exhibit and/or 4-H member may be disqualified from the show and/or all premiums and/or awards forfeited and/or the 4-H member may be subject to a one year disbarment from participation in that project and/or other related 4-H projects and/or events and/or activities. Further, enforcement may be selective which does not waive the state 4-H leader's

right to enforce collectively at a future date and appropriate circumstance.

22. Parents that are unruly will be warned once, and then told to leave.
23. In exception to the state fair 1 horse/1 rider rule, immediate family members may ride the same horse if that is the only horse that is available to them. The decision of who will go to state fair must then be decided by the family. 4-H members, who share their project animal at the county show with a physically disabled person, will not be penalized under the 1 horse/1 rider rule.
24. Specified walk-trot classes are for **beginners** and these entrants may not enter any canter classes regardless of the animal to be shown.
25. All 4-H members are required to vaccinate their animals.
26. **The Project Completion requirements are:**
 - a. Select a horse or pony and care for it.
 - b. Complete the project book and project record sheet and submit it to the superintendent or designated person before the start of the show.
27. **The Club / Award requirements are:**
 - a. Exhibit your animal at the county show unless death or disability as stated earlier prevents this.
 - b. It is highly suggested to attend three (3) meetings of the Howard County 4-H Horse and Pony Club.
28. High point award will be based on a point system with a Junior, Intermediate, and Senior winner. Horse and rider receiving the most points in the most classes will be the high point winner. Point accumulation shall be determined by policy as voted by 4-H members.
29. In the event of conflict of general rules or any matter not covered by rules, the Horse and Pony Superintendent will govern in consultation with the Extension Educator.
30. The following two classes are available for those 4-H members who qualify for the challenged rider program. 4-H enrollment deadline for all projects, including horse & pony, is March 1st:
 - a. **Walk-trot equitation/horsemanship:** Purpose – Walk-trot equitation/horsemanship provides an opportunity for 4-H members to participate whose inexperience or disability prevents them from safely riding their animal at the canter or lope. Exhibitor will display his or her ability as a rider, i.e. the seat, leg, hand position and ability to control and show the mount, in a class that is appropriate to the skill level. Exhibitors in this class may not show in any class requiring the canter (lope) at the same show. Walk-trot equitation/horsemanship is to be evaluated by the performance of the horse as a reflection of the ability of the rider.
 - b. **Leadline equitation/horsemanship:** Purpose – Leadline equitation/horsemanship provides an opportunity to participate for 4-H members whose inexperience or disability prevents them from controlling their animal independently. The exhibitor will display his or her ability as a rider, i.e. the seat, hand, leg position and ability to steer and show the mount, in a class that is appropriate to their skill level. Exhibitors in this class may not show in any class requiring independent riding at a trot (jog) or canter (lope) at the same show. Leadline equitation/horsemanship is to be evaluated on the rider's position, and active involvement in guiding the animal.

HORSE & PONY: HORSELESS HORSE

STATE FAIR: None.

OBJECTIVE: Designed for 4-H members who are interested in horses but do not have a horse. A 4-H member does not have to be a member of the County 4-H Horse and Pony Club, but if you are interested in horses, you are encouraged to visit or attend their club meetings, as well as judging contests and shows, but do not show a horse as part of this project.

MANUAL: County Manual for each division except for Divisions 8-10.

EXHIBIT REQUIREMENTS FOR ALL DIVISIONS:

1. Completed project manual and Livestock Poster Record Sheet LIV-10-13.
2. Exhibit a 22" x 28" poster with a stiff backing displayed horizontally relating to the information studied in the project manual.

RESOURCE MANUALS:

- Resource manual: Horses & Horsemanship given to Division 1
- Resource manual: Horse Science given out to Division 2

DIVISION 1: Study the safety rules and precautions, glossary of horse terms, parts of the horse, and the breeds of light horses and ponies.

DIVISION 2: Study horse grooming, horse color and color markings, and care of the horse's feet.

DIVISION 3: Study gaits of the horse, showing light horses at halter, tack and equipment and its care, and Western horsemanship.

DIVISION 4: Study what to look for in judging horse, how to judge horses, and training your horse.

DIVISION 5: Study functional divisions of the horse, unsoundness and blemishes, and health and sanitation principles.

DIVISION 6: Study disease problems and external and internal parasites of horses.

DIVISION 7: Study the digestive system of the horse, feed nutrients, feeds, and balancing rations for horses.

DIVISION 8-10: No manual. Study principles of reproduction, how inheritance works in horses, and determining the age of the horse by its teeth.



JUNIOR LEADERSHIP

STATE FAIR: None

OBJECTIVE: To mentor younger 4-H members, assist local club leaders, assist with activities surrounding the 4-H Fair, participate in fund raising events, help younger 4-H members with projects as needed, and participate in community service activities

MANUAL: County Manual Junior Leaders.

PROJECT REQUIREMENTS:

1. To be eligible for 4-H Junior Leadership, a 4-H member must be at least in the 7th grade.
2. ALL Junior Leaders must designate enrollment in Junior Leadership on the County 4-H enrollment card.
3. Also, Junior Leaders must be enrolled in at least one other project besides Junior Leadership. Completion requirements are outlined in the Howard County Junior Leader manual.
4. County Junior Leader meetings are held monthly, October through July, unless otherwise specified.
5. Junior Leaders are expected to provide assistance and leadership to their local clubs.
6. Completed Junior Leader manuals are due by **Thursday at 8:00 PM** of the Howard County 4-H Fair. This is a requirement for completion.

LAWN & GARDEN TRACTOR/ZERO-TURN RADIUS

STATE FAIR: The first three places in the Junior (Grades 3 – 7) and Senior (Grades 8 – 12) divisions in the County Lawn & Garden Tractor Operator's Contest will compete at area competition. **Note that poster or educational display exhibits are NOT eligible for State Fair.**

OBJECTIVE: The purpose of the Lawn & Garden Tractor/ Zero-Turn Radius project is to give members the opportunity to demonstrate their knowledge in small gasoline engine operation, care and maintenance of compact tractors, and skill in operation. Safety in work habits and equipment operation is stressed.

DIVISIONS/LEVELS:

<i>Junior</i>	Grades 3 – 7
<i>Senior</i>	Grades 8 - 12

MANUAL: Level 1 (Junior Level, grades 3-5) - BU-08186 Crank It Up!
Level 2 (Junior Level, grades 6-7, Senior Level grade 8) - BU-08187 Warm It Up!
Level 3 (Senior Level, grades 9-12) - BU-08188 Tune It Up!

EXHIBIT REQUIREMENTS – ALL DIVISIONS:

1. Complete 3 activities each year in your small engines tractor manual.
2. **Turn in small engine manual at time of project check-in.**
Choose **ONE** of the following:
 - a. Compete in the County Lawn & Garden Tractor Operator's Contest. (See description below.);
 - b. Prepare an educational display of worn parts, etc., caused by improper care; **OR**
 - c. Prepare a 22" x 28" poster, with stiff backing and displayed horizontally, on a topic covered in your manual.

NOTE: Lawn & Garden Tractor Posters are NOT eligible for State Fair.

TRACTOR OPERATOR'S CONTEST:

4-H Tractor members are encouraged to participate in the county Tractor Operator's Contest. There are two areas which a 4-H members may participate - the lawn & garden tractor or zero-turn. 4-H members are divided into two levels:

1. Juniors: Grades 3 – 7 at enrollment time
2. Seniors: Grades 8 – 12 at enrollment time

Members operate a tractor through a driving course, take a written test, and identify parts of a tractor. Winners may advance to the area contests in large farm tractor and lawn & garden tractor. Area winners will then advanced to the State Contest held during State Fair.

ARTS AND CRAFTS: "LEGO"-TYPE MODELS

STATE FAIR: One State Fair entry is eligible from the "Lego"-type models that fit the requirements. This is entered as a Craft entry.

OBJECTIVE: This project will encourage the member to use his or her imagination and ingenuity in creating an exhibit for the 4-H Fair. Overall design, construction techniques, soundness, sturdiness and balance will be some of the criteria used to judge this project.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 – 6	Level D	Grades 10 - 12

MANUAL: No manual

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. The size limit of "Lego"-type model exhibits in all categories is limited to 2' x 2' x 2'. If the exhibit is larger than the size limit, the exhibit will be dropped one (1) ribbon.
3. Members may stay in a level as long as grade permits.
4. **All "Lego"-type models MUST be on a solid base no more than 3 inches larger than the exhibit for a maximum base dimension of 2'x2'. All "Lego"-type models must be mounted on a flat solid base of Styrofoam, plywood or other materials. "Lego" plates are not considered a solid base. This will reduce the possibility of damage to your project. If the exhibit does not have a solid base, the exhibit will be dropped one (1) ribbon.**
5. Projects should be exhibited in a sturdy manner; extension staff and 4-H Volunteers are not responsible for damaged projects.
6. **THERE IS TO BE NO GLUING OF PIECES, PAINTING, TAPING, OR ADDING DECALS TO PIECES IN THIS PROJECT.**
7. Photos must be provided for multi-piece exhibits.
8. Knives, swords, etc. will be judged but not displayed for safety and liability.

PLEASE NOTE:

- All exhibits in this project must be of a "free design" or "original design." For example, if the category that you are enrolled in suggests that you may build a car, it must be of your own design, not a "car kit" that can be purchased.
- The beginning exhibits should be simple and should become more complex as you advance through the categories.
- **The use of the word "Lego" is used only as a guide for the project. You are free to use any brand of plastic snap-together or connecting pieces to complete your project.**

LEVEL A (Grade 3 – 4):

EXHIBIT:

1. Build a "fictional" character. Examples: An animal, a person, a statue, a totem pole, etc. No motorized units will be allowed in this category.
2. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grade 5 – 6):

EXHIBIT:

1. Build a structure such as a house, skyscraper, a barn, any type of building or some type of vehicle such as a car, truck, plane, tractor, farm implement, boat, etc. No motorized units will be allowed in this category.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grades 7 – 9):

EXHIBIT:

1. Build and exhibit two of any related objects (new exhibits) from either Category A or Category B. Examples could be two animals, two statues, two cars, etc. No motorized units will be allowed in this category.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10 – 12):

EXHIBIT:

1. Build and exhibit a display of at least three objects that are related to each other. Some examples could be three cars, a tractor with two other pieces of machinery, a set of three buildings or possibly the combination of a building and two vehicles. The display will not be larger than 2' X 2' square. Motorized units will be allowed in the Category D only. Category D should show a great deal of thought and ingenuity in design and construction.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LLAMA / ALPACA POSTER

STATE FAIR ENTRY: One State Fair entry per level is eligible that fits requirements.

OBJECTIVE: To promote educational displays by 4-H members who enjoy developing a poster exhibit. The llama/alpaca poster project is open to any member. You do not have to own an animal to be in the llama/alpaca poster project.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: 4-H 996 (Grades 3 – 5); 4-H 997 (Grades 6 – 8); 4-H 998 (Grades 9 – 12)

PROJECT MANUALS:

- **Completed project manual and Livestock Poster Record Sheet LIV-10-13 must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities. These will be recorded on the scorecard.

PROJECT EXHIBIT REQUIREMENTS:

1. Exhibit a poster with a topic from your grade level.
2. Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and exhibit card attached.

The following suggestions are ideas for development of an educational poster. 4-H members are not limited to the topics listed below but should be grade appropriate.

- **Level 1 (Grades 3 – 5):** breed of llamas, wool, safety tips when showing, packing.
- **Level 2 (Grades 6 – 8):** health care tips, purchasing, nutrition, desensitizing, equipment, commands.
- **Level 3 (Grades 9 – 12):** reproduction, health behavior, conformation, parasites, how to reduce stress, how to build trust.

LLAMA & ALPACA

STATE FAIR: Separate entries are required for participation. See State Fair Guidelines for more information.

OBJECTIVE: The educational 4-H llama program and related activities (such as workshops and tours) provide youth with a fun and hands-on learning experience which develops both llama and alpaca subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications) under the direction of caring adults.

MANUAL: Beginner (Grades 3 – 5) 4-H-996; Intermediate (Grades 6 – 8) 4-H-997; Advanced (Grades 9 – 12) 4-H-998. Each year- member must complete 3 activities in manual.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/index.html> for more information.

1. All 4-H members must be enrolled by State 4-H enrollment deadline. All llamas and alpacas must be in member's possession by MAY 15TH to be eligible to exhibit in the county and State Fair.
2. A 4-H member may enroll a maximum of three (3) llamas or alpacas.
3. All llamas and alpacas must be individually identified at the start of the project by two (2) full color photos showing all four (4) legs and the animal's face. All 4-H llamas and alpacas must be recorded on the 4-H animal enrollment process due at 4-H Llama Enrollment Day, the Saturday before May 15th!
4. Any given beef, dairy, horses, ponies, goats, llamas, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
5. All animals must be owned by the 4-H Club member, owned in partnership, owned by family, or leased. See Rule #3 under Livestock Exhibit Rules for further information on ownership, partnership, or lease requirements.
6. A 4-H member must be present and show their own animal. (Refer to Livestock Exhibit Rules.)
7. Your completed record sheet & manual is to be turned in to the project superintendent at check-in.
8. In the event of conflict of general rules or any matter not covered by the rules, the Llama/Alpaca Superintendent will govern in consultation with the Extension Educator.

RULES - GENERAL:

1. Only show officials and exhibitors are permitted in the show ring.
2. All questions should be directed to the Extension Educator.
3. No animals may be substituted after May 15.
4. All members must fill out the county Llama and Alpaca Information Form / Class List. See Extension Educator for details. This form must be turned in or submitted online no later than May 15.

SHOW / TENT (Llamas and Alpacas may be in barn from 7:00 p.m. on Sunday – 7:00 p.m. Tuesday.)

1. During the fair, all 4-H members will be expected to help set up, clean up, and take down the fair stalls. Llama members need to help clean up the tent area Tuesday evening.
2. 4-H members exhibiting Llamas or Alpacas must provide own feed, feed boxes, water buckets, bedding, and care for own animals.
3. Pen assignments will be obtained from the Extension Educator upon arrival to the fairgrounds.
4. 4-H members must clean their Llama's or Alpaca's pen and pass inspection by the Extension Educator before the Llama or Alpaca is released from the fairgrounds.
5. Use of an electrical cooling device must be approved by the Extension Educator before use.

CLASSES

- The performance classes offered will be determined by the project leader and will be dependent upon the age, experience and skill level of the members and their animals.
- There will not be separate classes for male and female animals. There will not be separate classes for Llamas and Alpacas. They will compete against each other.
- Each performance class will have 6 obstacles chosen by the llama committee.
- Members will be required to participate in showmanship and obstacle class. All other classes are optional.

1. **Showmanship (Required)** – Member demonstrates the ability to show his/her animal to its best advantage at halter. Judging is based on the exhibitor's basic skill in fitting, grooming, following directions, and style of presenting the animal to the judge for evaluation. The animal's conformation is not to be considered.
2. **Obstacle** – Member and animal are judged on their ability to negotiate obstacles.
3. **Pack**– member and animal are judged on their ability to negotiate obstacles and perform activities in the back country while carrying a pack.
4. **Public Relations** – Member and animal are judged on their ability to negotiate obstacles and perform activities in the community.
5. **Costume** – Member and animal are judged on originality, difficulty in training animal to accept and exhibit costume, and suitability to theme (exhibitor's choice). Exhibitors must submit a one (1) minute narrative to be read during the scheduled start of the class.
6. **Driving** - Member walks/trots their llama by ground driving or cart and shows the animal's ability to respond to commands given verbally and/or through a driving halter and reins. Member and animal are judged on training, driver's skill, coordination of driver and animal, smoothness and accuracy of execution of the obstacles. The use of the cart is based on the skill level and training of the member and the animal. Any llama not showing the ability to safely use the cart may be restricted to ground driving during the fair at the discretion of the project leader.
7. **Overall Grand Champion and Reserve Grand Champion Llama and Alpaca Performance (not for 2017)** – Throughout all the classes there will be points awarded based on the 4-H'ers placement in the class (see below). The points for each 4-H member will be totaled at the end of the competition. The Grand, Reserve Grand and top awards will be determined by the cumulative points from the obstacle, showmanship and at least 2 other classes. (NOTE: Member must show in a minimum of 4 classes to be considered for the top awards.) Reserve Grand Champion will go to the 4-H'er with the 2nd highest point total. In case of a tie the points on obstacle will be the tie-breaker.

- Champion – 30 points;
- Reserve Champion – 25 points;
- 3rd place – 20 points;
- 4th place – 15 points;
- 5th place – 10 points; and
- 6th place – 5 points.

SHOWMANSHIP :

1. Competition in showmanship contests for livestock exhibitors will be required for all 4-H exhibitors in the llama or alpaca projects.
2. Junior and Intermediate Showmanship winners must advance to the next level.
3. Once a 4-H member advances to the next division, the 4-H member is not allowed to return to the previous division.
4. Grade is the grade the 4-H'er is in at the time of enrollment (March 1).
5. The following divisions will be offered:

Beginner: grade 3

Junior: grades 4 - 5

Intermediate: grades 6 - 8

Senior: grades 9 - 12

STATE FAIR REQUIREMENTS:

1. State Fair entry form must be done online per exhibitor according to the State Fair Entry Department guidelines /

dates.

2. Each Llama and Alpaca may only be shown by one 4-H member at the Indiana State Fair.
3. Animals entered at the State Fair must be owned (or leased) and cared for by the 4-H member by May 15, and remain under the same continuous care until show day.
4. 4-H animals sold or purchased privately or offered for sale after the enrollment deadline and prior to the Indiana State Fair shall not be eligible to show at the State Fair. See State Fair book for additional information on any questions.

HEALTH:

Any animals that exhibit symptoms of disease that may be infectious or contagious must be removed from the premises when requested by the llama committee. Failure to meet all health requirements will necessitate removal of all animals presented by exhibitor.

1. An approved health certificate on any animal coming from outside Indiana for exhibition in Indiana is valid for 30 days.
2. No animal may be exhibited showing any symptoms of any communicable disease.
3. All animals must be sound and healthy. Any questionable animal may be removed by the 4-H llama committee or the judge.
4. No test is required on any llamas or alpacas for exhibition in Indiana. For more information on llama / alpaca health requirements, call the Indiana Board of Animal Health 877-747-3038.
5. Animals may be treated by an accredited veterinarian for illness only. They are not permitted to treat for lameness or unsoundness cases related to an animal's movement.
6. Any questionable animal will be brought to llama committee to determine treatment by accredited veterinarian or removal.

FOODS: MAKE WITH A MIX

STATE FAIR: None.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: Howard County 4-H Make with a Mix Manual

RECORD SHEET: Howard County 4-H Make with a Mix Record Sheet

Project and Labeling Products:

1. **DO NOT** cover exhibit card (with your name, club, etc.) with clear plastic wrap.
2. Tape exhibit card to paper plate or container before product is wrapped.
3. **A recipe on index card (5" x 8") is required for all food products.** Recipe cards should be wrapped in clear plastic or placed in a plastic bag and include your name, division and club name.
4. Containers will NOT be returned unless picked up immediately following judging.
5. Recipes containing alcoholic beverages are prohibited.

Purdue Extension Food Safety Policy (revised 10/2020):

For Food Competitions: Fillings, frostings, glazes, and meringues are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream if they are not fully cooked/baked. These items are allowed as ingredients in food products IF the final product is cooked/baked. Additionally, raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160°F (i.e. pasteurized or included as part of a batter and baked) are acceptable. No home- canned fruits, vegetables, or meats are permitted as ingredients in food products.

Fresh-cut, uncooked, fruits and/or vegetables are not permitted to be used in food products or used as garnishes for the product. Foods should be transported to the competition in a way that minimizes contamination and maintains the quality of the food (i.e. foods that are judged as frozen should remain frozen at all times).

Recipes must be provided that identifies all ingredients that were used in each part of the product. Any ingredient that could be a potential allergen must be clearly identified. Each food product must be labeled with the following information:

- Name
- Date the food product was made

Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. If cuts are present, the wound should be bandaged and a single use food service glove worn on the hand during all stages of food production. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. People experiencing symptoms of vomiting, diarrhea, fever, and/or jaundice should not be allowed to prepare food.

Judges and individuals who will consume products from county and/or state competitions should be informed that they are at risk for foodborne illness since the established policy cannot guarantee that an entry has been properly prepared or handled before, during or following the competition. The food products for competitions are home produced and processed and the production area is not inspected by the Indiana State Department of Health. Tasting of a food product is solely at the discretion of the judge and consumers. Judges are **NOT** to taste any home preserved foods such as low-acid or acidified foods like green beans, tomatoes or tomato products, jams/jellies/fruit preserves or fermented products produced in the home.

Instructions for preparing food exhibits for display at State Fair (these instructions may be adapted for use in your county):

LEVEL 1 (Grades 3 – 5):

4-H members are to exhibit a DIFFERENT cookie or brownie recipe in each year of Level 1.

Exhibit the following:

1. Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create cookies or brownies.
2. Exhibit six (6) **baked drop, molded, or bar cookies or brownies**. Display on paper plate or covered cardboard.
3. Turn in recipe card and original package directions with your exhibit for judge to determine if additional ingredients were added other than those listed on the package directions.
4. Turn in a completed record sheet with your exhibit.

LEVEL 2 (Grades 6 – 8):

4-H members are to exhibit a DIFFERENT cake or bread recipe in each year of Level 2.

Exhibit the following:

1. Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create a bread or cake. Cake products may be round, square, rectangle, or bundt but only a single layer. (Yeast may be one of the added ingredients.)
2. Exhibit one (1) **cake or bread**. Display on covered cardboard or if necessary a disposable pan.
3. Turn in recipe card and original package directions with your exhibit for judge to determine if additional ingredients were added other than those listed on the package directions.
4. Turn in a completed record sheet with your exhibit.

LEVEL 3 (Grades 9 – 12):

4-H members are to exhibit a DIFFERENT recipe in each year of Level 3.

Exhibit the following:

1. Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create a main dish or entrée.
2. Try converting your recipe to a microwavable recipe.
3. Exhibit the product in an appropriate glass or plastic cooking container.
4. Turn in recipe card and original package directions with your exhibit for judge to determine if additional ingredients were added other than those listed on the package directions.
5. Keep the product at the correct temperature until it is judged.
6. Turn in a completed record sheet with your exhibit.

ARTS AND CRAFTS: MISCELLANEOUS CRAFT

STATE FAIR: Two State Fair entries are eligible from the Miscellaneous Craft that fits requirements. These are entered as Craft entries.

OBJECTIVE: This area will cover any art or craft EXCEPT Needlework, Painting, Drawing, Knitting, Woodcraft, Baskets, Crocheting or Quilts (if made by hand). There are many creative areas for you to use your artistic talents. However, it is not possible to create individual classes in every area. (Latch hook, ceramics (including Greenware) and glass painting are accepted in this category.)

DIVISIONS/LEVELS:

<i>Level A</i>	Grades 3 – 4
<i>Level B</i>	Grades 5 – 6
<i>Level C</i>	Grades 7 – 9
<i>Level D</i>	Grades 10 – 12

MANUAL: No Manual for project.

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. Members may stay in a level as long as grade permits.
3. Photos must be provided for multi-piece exhibits.
4. Knives, swords, etc. will be judged but not displayed for safety and liability.

EXHIBIT:

1. Completed article or related group of articles.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

ARTS AND CRAFTS: MODEL BUILDING

STATE FAIR: Two State Fair entries are eligible from Models that fit requirements.

OBJECTIVE: The project member will learn assembly, painting, design and construction techniques and also become familiar with the technical terms and vocabulary associated with the representing model.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 – 6	Level D	Grades 10 – 12

MANUAL: County Manual 4-H Model Building

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. Projects should be exhibited in a sturdy manner; extension staff and 4-H Volunteers are not responsible for damaged projects.
3. Member may stay in a level as long as grade permits.
4. In Levels C and D, models are to be customized which means members are to do something to the model to make it their own design. This means more than just adding a background or stickers.
5. Photos must be provided for multi-piece exhibits.
6. Knives, swords, etc. will be judged but not displayed for safety and liability.
7. Exhibits must be a small scale replica and meet the following criteria:
 - Must be of injected styrene plastics
 - At least 25% of the exhibit must be painted
 - Wood, paper, clay, die-cast, or snap together models are not permitted
 - Screws are not permitted
 - Pre-painted or pre-decaled factory models are not permitted
 - If the model is being built from a kit, include a copy of the instructions with the craft information card.
 - Legos are not considered models and are to be exhibited as Any Other Craft

NOTE: Definition of **CUSTOMIZE**: Construction of model parts by the 4-H member themselves.

LEVEL A (Grade 3 – 4):

Members are to assemble simple airplane, car, boat, spaceship, building, or animal made out of plastic or wood. Use only the parts furnished in the simple model kit. Decals may be applied to the model if they are supplied with the model kit. **NO PAINTING OF MODELS OR NO PRE-PAINTED MODELS ARE TO BE USED. DO NOT CUSTOMIZING OF YOUR MODEL. *Snap together models ARE NOT permitted.**

EXHIBIT:

1. One completed model (**DO NOT PAINT, NO PRE-PAINTED MODELS, OR CUSTOMIZING**).
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grades 5 – 6):

Members are to assemble an airplane, boat, car, spaceship, building or animal made out of plastic, wood or metal. The model should be more complex in design than that assembled in Category A. Use only the parts furnished in the

model kit. Paint the exterior of the model but **DO NOT CUSTOMIZE THE CONSTRUCTION.** *Snap together models **ARE NOT permitted.**

EXHIBIT:

1. One completed model (**DO NOT CUSTOMIZE**).
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grades 7 – 9):

Members are to assemble a customized model of their own choice. Project members are to make some parts of their model other than those, which are included in the kit. All parts of the model must be painted. ***Snap together models ARE NOT permitted.**

EXHIBIT:

1. One completed customized model. Definition of customization: Anything done to modify, change, add, or subtract from a commercial model kit other than paint, decals, or a designed modification from the kits instructions.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10 – 12):

Original Model. Choose **ONE** of the following to exhibit:

- a. Design and build an original model made of any material desired. **THIS IS NOT TO BE A KIT.**
- b. Assemble a collection of three customized models of similar type. Example: 3 customized cars, or 3 airplanes or 3 ships, etc.
- c. Assemble a collection of three (3) customized models each made from different materials. ***Snap together models ARE NOT permitted.**

EXHIBIT:

1. Original model or collection of three (3) customized models.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

ARTS AND CRAFTS: NEEDLEWORK

STATE FAIR: One State Fair entry is eligible from Needlework that fits requirements.

OBJECTIVE: To learn different forms of Needlework and to increase our knowledge and skills each year in needlework done by hand. This project includes embroidery, needlepoint, crewel, candlewicking, chicken scratching, hand quilting, tatting, huck embroidery, hemstitching; also pulled, drawn and counted thread work and punch needle work. **DOES NOT include latch hook, plastic canvas, machine knitting, machine quilting or arm knitting/crocheting.**

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level C	Grades 7 – 9
Level B	Grades 5 – 6	Level D	Grades 10 – 12

MANUAL: Finishing Touches given to 1st year. County Manual 4-H Needlepoint (manual use all years in project)

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. Members may stay in a level as long as grade permits.
3. **ALL NEEDLEWORK MUST BE A FINISHED PRODUCT.** Pictures ready to hang (back of picture should be covered, EX. brown paper backing or something similar), pillows with backing and stuffed, small piece of a larger article must be attached to make a complete article, etc.
4. Photos must be provided for multi-piece exhibits.
5. Knives, swords, etc. will be judged but not displayed for safety and liability.

NEEDLEWORK PIECE SIZES: Measurements are to be of actual needlework and does not include the size of the frame or mounting material.

Small: 5” & under Medium: 6” – 10” Large: 10” – 18”

LEVEL A (Grades 3 – 4)

EXHIBIT:

1. Two (2) small articles (5” & under) with simple design, which include easy and basic stitches. Be sure to check needlework manual for more specific requirements in each area of needlework for this level.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grades 5 – 6)

EXHIBIT:

1. Two (2) small (5” & under) or one (1) medium (6” – 10”) article with simple design, which includes easy and basic stitches. Be sure to check the needlework manual for more specific requirements in each area of needlework for this level.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grades 7 – 9)

EXHIBIT:

1. One (1) large (10" – 18") article to include some additional stitches not previously used. Be sure to check the needlework manual for more specific requirements in each area of needlework for this level.
2. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10 – 12)

EXHIBIT:

1. Make an article using techniques not previously used. Be sure to check the needlework manual for more specific requirements in each area of needlework for this level.
2. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

PHOTOGRAPHY

STATE FAIR: 10 State Fair entries will be selected from the Photography Project that fit requirements. Entries will be made according to State Fair entry allocations.

OBJECTIVE: The purpose of the 4-H Photography project is to take better pictures and have more fun with your camera. Any camera in good working order is suitable for your 4-H photography work.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12



MANUALS: Photography Level 1 (Grades 3 – 5) - Focus on Photography
Photography Level 2 (Grades 6 – 8) - Controlling the Image
Photography Level 3 (Grades 9 – 12) - Mastering Photography

RECORD SHEET: Photography Record Sheet 4-H 621-W

PROJECT MANUALS:

- **Completed record sheets must be turned in when you check-in your 4-H project.**
- The manuals are to be used as a resource for the photography project.

PROJECT REQUIREMENTS:

1. All images are to be original images taken by the 4-H member.
2. Photos must have been taken since the last project entry date of the county fair. Videos must be produced since the last project entry date of the county fair.
3. All poster exhibits are to be mounted on a background board 22" by 28" , displayed horizontally, mounted on stiff backing (foam board, corrugated board, thin paneling, thin luan board—keep it thin and light.) and covered with clear acetate/plastic.
4. Place the exhibit card in the lower right hand corner on posters and salon prints. Place your exhibit card on your board and under your plastic if at all possible.
5. Number photo prints on your print boards 1 to 10.
6. Captions under your photographs are not recommended nor are fluorescent posters.
7. Salon prints are one print, either Black & White or Color, printed horizontally or vertically from any size negative. The print must be mounted on a standard 16 by 20 inch salon mount, displayed vertically and covered with plastic.
8. Salon print should be enlarged from negative and NOT by enlarging the original picture using a picture maker or picture enlarger.
9. Sepia tone photographs (mono chromatic) are entered under the Black and White classes.
10. Photos of artwork pictures should not be taken due to copyright.

MOUNTING & LABELING:

1. This mounting may be of any color or texture. The pictures are to be neatly and securely mounted (can use double sided tape or rubber cement). Dry mounting tissue is best.
2. Salon mounts are available in most photo and art supply stores. They are available either in plain or with a cutout of the picture area. You may make your own. Matting is not required.
3. The exhibit entry tag provided by the county Purdue Extension office is to be placed in the exhibit's lower right hand corner.

LEVEL 1 - (Grades 3 – 5)

You choose either type of prints to exhibit and choose to perfect your skills in either or both. ***Selection of exhibit category is made at the time of Fair Entry by May 15th. Members entering an exhibit from a category other than the category enrolled will be dropped one ribbon level.*** You are encouraged to try your hand at both types of film for a broader learning experience. Your prints may be a mix of digital and/or standard development.

1. Black & White Prints
 2. Color Prints
 3. Cell Phone Print
- **Level 1 Black & White Prints: "Capturing Memories"**
EXHIBIT: 10 black & white pictures, none of which is larger than 4" X 6", nor smaller than 3 1/2" X 5", any subject, mounted on a background board 22" X 28", displayed horizontally, on stiff backing covered with plastic. The poster must carry the title "Capturing Memories". It is recommended that you use and exhibit standard processing size. Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.
 - **Level 1 Color Prints: "Experiences in Color"**
EXHIBIT: 10 color pictures, none of which is larger than 4" X 6", nor smaller than 3 1/2" X 5", any subject, mounted on a background board 22" X 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Experiences in Color". It is recommended that you use and exhibit standard processing size. Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.
 - **Cell Phone Print:** Photograph MUST be captured using only a common cell phone camera.
EXHIBIT: One (1) black & white or color print no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

LEVEL 2 - (GRADES 6 – 8)

You may choose a maximum of two (2) from the list below. ***Selection of exhibit categories is made at the time of Fair Entry by May 15th. Members entering an exhibit from a category other than the categories enrolled will be dropped one ribbon level.***

1. Black & White Prints
 2. Color Prints
 3. Color Salon Print (traditional or digital)
 4. Black & White Salon Print (traditional or digital)
 5. Creative / Experimental Salon Print (traditional or digital)
 6. Cell Phone Print
- **Level 2 Black & White Prints: "Photography is Fun"**
EXHIBIT: 10 black & white pictures, none of which is larger than 5" X 7" nor smaller than 2" X 3 1/2", mounted on a background board 22" x 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Photography is Fun". Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital and standard development.
 - **Level 2 Color Prints: "Adventures in Color"**
EXHIBIT: 10 color pictures, none of which is larger than 5" X 7" nor smaller than 2" X 3 1/2", mounted on a background board 22" X 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry the title "Adventures in Color". Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital and standard development.
 - **Level 2 Color Salon Print (traditional or digital):**
EXHIBIT: One (1) color print no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.
 - **Level 2 Black & White Salon Print (traditional or digital):**
EXHIBIT: One (1) black & white print no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

- Level 2 Creative/Experimental Salon Print (traditional or digital):
EXHIBIT: Any modified image may be exhibited as creative/experimental. One black & white and/or one color print or a combination no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended. **MUST include original photograph (s) on the back of the board and attach a listing of steps and/or procedures used to create the end product.**
- Cell Phone Print: Photograph MUST be captured using only a common cell phone camera.
EXHIBIT: One (1) black & white or color print no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

LEVEL 3 - GRADES (9 –12)

You may choose a maximum of two (2) from the list below. ***Selection of exhibit categories is made at the time of Fair Entry by May 15th. Members entering an exhibit from a category other than the categories enrolled will be dropped one ribbon level.***

- | | |
|---|---|
| 1. Black & White Prints | 4. Black & White Salon Print (traditional or digital) |
| 2. Color Prints | 5. Creative / Experimental Salon Print (traditional or digital) |
| 3. Color Salon Print (traditional or digital) | 6. Cell Phone Print |

- Level 3 Black & White Prints:
EXHIBIT: 10 black & white pictures, none of which is larger than 8" X 10" nor smaller than 2" X 3 1/2", mounted on a background board 22" X 28", displayed horizontally, with stiff backing and covered with plastic. The poster must carry a title; use your own creativity. Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced, and/or standard development.
- Level 3 Color Prints:
EXHIBIT: 10 color pictures, none of which is larger than 8" X 10" nor smaller than 2" X 3 1/2", mounted on a background board 22" X 28", displayed horizontally with stiff backing and covered with plastic. The poster must carry a title; use your own creativity. Photos must be numbered from 1 to 10. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced, and/or standard development.
- Level 3 Color Salon Print: (traditional or digital)
EXHIBIT: One (1) color print no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, and displayed VERTICALLY and covered in plastic. No title recommended.
- Level 3 Black & White Salon Print: (traditional or digital)
EXHIBIT: One (1) black & white print no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, and displayed VERTICALLY and covered in plastic. No title recommended.
- Level 3 Creative/Experimental Salon Print: (traditional or digital)
EXHIBIT: Any modified image may be exhibited as creative/experimental. One black & white and/or one color print or a combination no smaller than 7" X 9" nor larger than 11" X 14", printed horizontally or vertically, mounted on a standard 16" X 20" salon mount, displayed VERTICALLY, and covered with plastic. No title recommended. **MUST include original photograph (s) on the back of the board and attach a listing of steps and/or procedures used to create the end product.**
- Cell Phone Print: Photograph MUST be captured using only a common cell phone camera.
EXHIBIT: One (1) black & white or color print no smaller than 7" x 9" nor larger than 11" x 14", printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed VERTICALLY and covered with plastic. No title recommended.

PIGEONS

OBJECTIVE: This project offers 4-H members the opportunity to participate in a program where they can care, raise, and show their pigeons. Pigeons require a small amount of space. If you have room in a building, there is very little expense in getting started in this hobby. Members in this project learn the proper way to keep their pigeons clean and healthy, along with keeping records, taming, training and conditioning the birds for showing.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12



RECORD SHEETS: Level 1 Novice (Grades 3 – 5); Level 2 Inter. (Grades 6 – 8); Level 3 Advanced (Grades 9–12)

PROJECT REQUIREMENTS:

1. All 4-H members must be enrolled by State 4-H enrollment deadline. Possession deadline is May 15th.
2. Pigeons must be owned by the 4-H Club member or owned in partnership. See Rule #3 under Livestock Exhibit Rules for further information on ownership and partnership requirements.
3. Pigeons should be of a recognized breed.
4. Records should be kept on feeding, egg laying, hatching and banding of the young birds.
5. 4-H members are limited to exhibiting six (6) birds regardless of their breed. They may be shown in any class of young, old hen, or old cock.
6. **All 4-H pigeon members MUST BE YQCA certified by June 1.**
7. 4-H member **MUST BE PRESENT** to hold their own animals at the time of judging. See Rule #9 under Livestock Exhibit Rules for further information.
8. Your completed record sheet is to be turned in when you enter your project at the fair.
9. In the event of conflict of general rules or any matter not covered by rules, the Pigeon Superintendent will govern in consultation with the Extension Educator.
10. 4-H members must pre-enter all 4-H Pigeons for state fair. All pre-entries must be postmarked by a date to be announced.

CLASSES:

1. Pigeons will be judged on how well they compare to the ideal standard for their breed.
2. Pigeons will be entered in **one** of the following:
 - A. OLD COCK: Any male hatched before current year
 - B. OLD HEN: Any female hatched before current year
 - C. YOUNG: Must be banded with a current year band.

Note: Due to the early date of the county show, young males and females are hard to sex, so they are shown together. There are also classes set up for this project at the State Fair which you may enter and exhibit your birds.

Pigeons will be Judged as Follows:

1. Young birds will be judged in the first class. All birds will be rated by Blue for excellent, Red for standard, and White for below standard or poor condition. From the Blue Ribbon birds only (unless there are no Blue Ribbons) there will be a Champion and Reserve Champion chosen.
2. Old hens will be judged second just as the young bird class. If any bird shows signs of being a cock it may be moved to the cock class.
3. Old cocks will be judged next, just as the previous class.
4. Next, all three Champion birds will be judged for Grand Champion. Reserve Grand Champion will be selected from the two remaining Champions and Reserve Champion in the category from which the Grand Champion was chosen.

POULTRY: POULTRY POSTER

STATE FAIR ENTRY: One State Fair entry per level is eligible that fits requirements.

OBJECTIVE: To promote educational displays by 4-H members who enjoy developing a poster exhibit. The poultry poster project is open to any member and is not limited to exhibitors of 4-H poultry. You do not have to own an animal to be in the poultry poster project.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: BU-06363 (Grades 3 – 5); BU-06364 (Grades 6 – 8); BU-06365 (Grades 9 – 12)

PROJECT MANUALS:

- **Completed project manual and Livestock Poster Record Sheet LIV-10-13 must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least 3 activities. These will be recorded on the scorecard.
- If a member is also taking the Poultry animal project, they need to only complete three (3) total activities for both the Poultry animal and Poultry Poster projects. This is due to both projects using the same manuals.

PROJECT EXHIBIT REQUIREMENTS:

1. Exhibit a poster with a topic from your grade level.
2. Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and exhibit card attached.

The following suggestions are ideas for development of an educational poster. 4-H members are not limited to the topics listed below but should be grade appropriate.

- **Level 1 (Grades 3 – 5):** poultry parts, breeds of poultry, egg parts, selection and judging, poultry care, showmanship steps.
- **Level 2 (Grades 6 – 8):** poultry behavior, poultry feed, grading eggs, disease prevention, selecting and judging, management.
- **Level 3 (Grades 9 – 12):** flock management plan, food safety tips, poultry products, genetics, and poultry careers.

POULTRY

STATE FAIR: Separate entries are required for participation. See State Fair Guidelines for information.

OBJECTIVE: The commercial poultry project teaches production, marketing and product utilization commercial poultry products, including meat and/or eggs. The exhibition poultry project concentrates on the "Standards of Perfection" of the individual breeds of poultry, teaching how to identify the qualities of the breed. Both projects teach how to properly prepare and show the birds to present them to the judge in the best possible light. All participants will gain knowledge in the methods of care and feeding of the flock for the intended purpose.

MANUALS: BU-06363 (Grades 3 – 5) Scratching the Surface, BU-06364 (Grades 6 – 8) Testing your Wings;
BU-6365 (Grades 9 – 12) Flocking Together

PROJECT MANUALS:

- **Completed project manual must be turned in when you check-in your 4-H project.**
 - Each year, members must complete at least three (3) activities.
 - If a member is taking both the Poultry animal and the Poultry Poster projects, they need only to complete a total of three (3) activities for both, as they use the same manuals.
1. All 4-H members must be enrolled by State 4-H enrollment deadline.
 2. **Possession deadline:** All birds must be in the member's **possession by May 15th**. This includes all exhibition birds and all commercial birds except commercial broilers.
 3. **All 4-H poultry members MUST BE YQCA certified by June 1.**
 4. To **complete the poultry project** a completed project manual and project record sheet must be turned in at check-in time for poultry even if the 4-H member chooses not to exhibit any birds. **Please Note:** 4-H poultry members are required to complete three (3) activities in their project book and record the completed activities on their record sheet.
 5. All Indiana fowl exhibited must originate from National Poultry Improvement Plan (NPIP) approved flocks or hatched from eggs originated from NPIP approved flocks or be certified as have tested negative for pulorum-typhoid within the past 90 days. (30 days for birds hatched out of state) A copy of the NPIP certificate from the breeder/hatchery or a certificate from previous testing shall be submitted at the time of check in at the fair, and the exhibitor will be required to sign an affidavit that the certificate applies to the birds exhibited. In the absence of a certificate, that 4-H member's birds will not be allowed to show at the fair.
 6. Blood testing for pulorum-typhoid will be done on Saturday in June by the Howard County Poultry Superintendent. This will be the only time testing will be offered by the Howard County 4-H Program.
 7. No poultry may be exhibited showing excessive signs of infectious disease and/or external parasite infestation.
 8. Animals must not show signs of any communicable diseases or lice. Any animals showing signs of any communicable diseases or lice will be sent home immediately.
 9. Wet birds will not be allowed at time of check-in. All birds must be dry.
 10. No person shall color, dye, stain, or otherwise change the natural coloring of any fowl.
 11. **4-H members must identify breed and sex of all birds at check-in prior to judging.**
 12. **Boiler and Roaster entries will be weighted upon check-in.**
 13. The 4-H member **MUST BE PRESENT** to handle their own birds at the time of judging in each class. See the Livestock Exhibit Rules for further information.
 14. Only judges and exhibitors are allowed in the judging area during judging time.

15. Any breed or variety of bird accepted by the American Poultry Association or the American Bantam Association may be entered in any exhibition class. Commercial classes will be judged based on the standard of perfection of the breed and may be compared to other entries of other breeds in the class for the relative production qualities of the various breeds. Commercial class entries should be limited to the breeds commonly used in the industry for meat and/or egg production.
16. The 4-H poultry member is responsible for caring for their birds during the fair (feed, feeders, water, and pans).
17. Pens **MUST BE CLEANED BY THE 4-H EXHIBITOR** during the fair and after the birds are released from their pens.
18. In the event of conflict of general rules or any matter not covered by rules, the Poultry Superintendent will govern in consultation with the Extension Educator.

CLASSES: A 4-H member may enter only one exhibit in each class, but may enter as many classes as desired. No bird may be entered in more than one class.

Commercial Classes

1. **Layer Pullets:** Two (2) females less than one year old.
2. **Layer Hens:** Two (2) females more than one year old AND in laying condition.
3. **Broilers:** Two (2) birds of the same sex, 6 – 8 weeks of age AND NOT OVER 5 ½ pounds on show day.
4. **Roasters:** Two (2) birds of the same sex, 8-12 weeks of age AND 5 ½ to 10 pounds on show day. **Turkey:** One (1) bird, either sex of the **Broad Breasted White or Broad Breasted Bronze** variety.
5. **Duck:** One (1) bird, either sex of the **Pekin** variety.
6. **Eggs:** An entry of six (6) eggs displayed in a foam carton. Judged on market quality, appearance and uniformity. Eggs may be broken by the judge to determine freshness. Eggs will be disposed of by the Project Superintendent at the end of the 4-H show.

Exhibition Classes

1. **Standard Breeds**
 - a. Exhibition Standard Cockerel: One (1) male bird less than one year old.
 - b. Exhibition Standard Pullet: One (1) female bird less than one year old.
 - c. Exhibition Standard Cock: One (1) male bird more than one year old.
 - d. Exhibition Standard Hen: One (1) female bird more than one year old.
 - e. Exhibition Standard Breeding Trio: One (1) male bird and two (2) female birds all over one year of age.
2. **Bantam Breeds**
 - a. Exhibition Bantam Cockerel: One (1) male bird less than one year old.
 - b. Exhibition Bantam Pullet: One (1) female bird less than one year old.
 - c. Exhibition Bantam Cock: One (1) male bird more than one year old.
 - d. Exhibition Bantam Hen: One (1) female bird more than one year old.
 - e. Exhibition Bantam Breeding Trio: One (1) male bird and two (2) female birds all over one year of age.
3. **Exhibition Waterfowl**
 - a. **Heavyweight:** One (1); all geese and heavyweight ducks.
 - b. **Medium Weight:** One (1) bird (drake or duck) of the medium weight varieties (i.e. Cayuga, Crested, Swedish, Buff)
 - c. **Light Weight:** One (1) bird (drake or duck) of the light weight varieties (i.e. Runner, Campbell, Magpie)
 - d. **Bantam:** One (1) bird (drake or duck) of the bantam varieties (i.e. Call, East India, Mallard)



A Champion Exhibition Bantam, a Champion Exhibition Standard, a Champion Exhibition Waterfowl and a Champion Commercial Exhibit will be awarded. Then, these four Champions will compete for Grand Champion Poultry Exhibit.

Showmanship Classes For showmanship rules, see the Showmanship Guidelines. This includes divisions.

RABBITS: RABBIT POSTER

STATE FAIR: One State Fair entry will be selected in each level that fits requirements.

OBJECTIVE: The 4-H Rabbit Poster exhibit is open to any 4-H member and is not limited to exhibitors of 4-H rabbits. The purpose of the project shall be to visually demonstrate 4-H Rabbit project knowledge and to demonstrate to others, 4-H Rabbit project possibilities.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12



MANUALS: Level 1 (Gr. 3-5) BU-8080 What's Happening?
Level 2 (Gr. 6-8) BU-8008 Making Tracks
Level 3 (Gr. 9-12) BU-8082 All Ears
4-H 1013 Rabbit Resource Handbook (one per family)

PROJECT MANUALS:

- **Completed project manual and Livestock Record Sheet LIV -10-13 must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.
- If the member is also taking the Rabbit animal project, only three (3) total activities must be completed for both projects, as they use the same manuals.

EXHIBIT:

A 22" X 28" poster displayed horizontally with stiff backing and covered with plastic or transparent material. Exhibit card should be placed in lower front right hand corner. **NOTE: Proper footnoting must be used with all reference material. Attach a 3" x 5" card to the backside of the poster listing the references.**

RABBIT

OBJECTIVE: The purpose of the 4-H Rabbit project is to familiarize the 4-H member with the principles of feeding, breeding and management of rabbits. Boys and girls can find some phase of rabbit raising which will stimulate and keep their interest. With good management, rabbits offer a pleasant 4-H project and an opportunity for modest financial profit. The rabbit manual gives good guidelines for the project; however, if you own only one rabbit, or can only buy one rabbit, you can still take the project.

MANUALS: BU-8080 (Grades 3 – 5) What's Happening? ; BU-8081 (Grades 6 – 8) Making Tracks; BU-8082 (Grades 9 – 12) All Ears! and 4-H 1013 Rabbit Resource Handbook (one per family)

1. Rabbits must be in the member's possession by MAY 15TH with the exception of meat pens. Meat pens must be raised by exhibitor with doe in exhibitor's possession by May 1ST. Tattoo numbers of meat pen rabbits must be registered in Fair Entry by MAY 15TH also.
2. Rabbits must be owned by the 4-H Club member or owned in partnership. See General Livestock Exhibit Rules for further information on ownership and partnership requirements.
3. **All 4-H rabbit members MUST BE YQCA certified by June 1.**
4. Rabbits should be purebred, either fancy or commercial breeds.
5. **Completed project manual must be turned in when you check-in your 4-H project.**
6. Each year, members must complete the at least three (3) activities. These will be recorded on the scorecard.
7. The 4-H members must identify what breed their rabbit(s) are when entering and must show pedigree papers to verify breed, sex, date of birth, and ownership. Rabbits without pedigree papers will be entered in the crossbred classes. Crossbred rabbits will be allowed to show for Champion.
8. A 4-H member may show a maximum of eight (8) rabbits plus one (1) meat pen entry with no more than one (1) entry per age class. For example, a 4-H member may show a junior black Dutch doe, a junior black Dutch buck, a senior black Dutch doe, a senior black Dutch buck, a junior chocolate Dutch doe, a junior chocolate Dutch buck, a senior chocolate Dutch doe, and a senior chocolate Dutch buck.

A class is defined by the age of the rabbit as of the day of the show.

- a. **Fancy** (Four Class):
 - i. Junior - under 6 months of age
 - ii. Senior - over 6 months of age
- b. **Commercial** (Six Class):
 - i. Junior - under 6 months of age
 - ii. Intermediate - 6 to 8 months of age
 - iii. Senior - over 8 months of age



9. All meat pen entries must be accompanied by at least one buck or doe entry at the fair to be eligible to show.
10. There must be a legible and permanent tattoo number or letter in the LEFT EAR of each rabbit. This procedure helps the exhibitor to keep record of the rabbit breeding; helps straighten out mix-ups which might occur in the show and exhibit; and helps to identify any animals that may be stolen.
11. 4-H members **MUST BE PRESENT** to hold their own animals at the time of judging. See General Livestock Exhibit Rules for further information.
12. Does with suckling litters will not be allowed to show.

13. A health inspection of rabbits will be done at the time of check-in. If a rabbit is unhealthy and/or in danger of spreading disease to other animals, it will be dismissed from the grounds.
14. In the event of conflict of general rules or any matter not covered by rules, the Rabbit Superintendent will govern in consultation with the Extension Educator.
15. **All rabbits must be entered in Fair Entry by May 15th (breed, variety, sex, age/class, tattoo numbers) or will not be allowed to show. This includes single rabbits and list of meat pen rabbits. Also due by May 15th is the Animal Location Form to the Extension Office.**
16. All 4-H members must pre-enter all 4-H rabbits for state fair. All pre-entries must be postmarked by a date to be announced.

CLASSES:

1. Purebred rabbits will be judged by breeds and placed 1st, 2nd, 3rd, etc., similar to livestock judging. The best of breed, best of opposite sex of breed, best of variety, and best of opposite sex of variety will receive different ribbons.
2. Crossbred individual rabbits will be judged similar to other livestock - 1st, 2nd, 3rd, etc.
3. A Best Fancy (Four Class) rabbit will be chosen from those rabbits that were chosen as Best of Breed in each Fancy breed. **Fancy (Four Class) breeds are:** American Fuzzy Lop, American Sable, Angora-English, Angora-French, Belgian Hare, Britannia Petite, Chinchilla-Standard, Dutch, Dwarf Hotot, English Spot, Florida White, Harlequin, Havana, Himalayan, Jersey Wooley, Lilac, LOP-Holland, LOP-Mini, Mini-Rex, Netherland Dwarf, Polish, Rhinelander, Silver, Silver Marten, and Tan.
4. A Best Commercial (Six Class) rabbit will be chosen from those rabbits that were chosen as Best of Breed in each Commercial breed. **Commercial (Six Class) breeds are:** American, Beveren, Angora-Giant, Angora-Satin, Californian, Champagne D'Argent, Checkered Giant, Chinchilla-American, Chinchilla-Giant, Cinnamon, Creme D'Argent, Flemish Giant, Hotot, LOP-English, LOP-French, New Zealand, Palomino, Rex, Satin, and Silver Fox.
5. A Best of Show will be selected from the Best Fancy (Four Class) and Best Commercial (Six Class) rabbits.
6. **Meat Pen:** There will be one (1) class consisting of three (3) rabbits of the same breed and same variety, weighing between three (3) and five (5) pounds each and not over 10 weeks of age by the day of the show. Only commercial breed rabbits will be accepted in the meat pen class. A Champion and Reserve Champion will be chosen. Meat pen rabbits will not be eligible to show as individual rabbits.
7. **Rabbit Ambassador Contest** –The 4-H Rabbit Ambassador Contest will be conducted as it would be at the Indiana State Fair. 4-H members who participate in the Rabbit Ambassador Contest have the chance to demonstrate their knowledge of rabbit breeds, managements, feedings, marketing, and showing. All parts of the Rabbit Ambassador Contest except showmanship will be held the Monday of fair week. The showmanship portion will be held at the beginning of the 4-H Rabbit Show during the county fair and that score will be added to the previous scores to announce the Rabbit Ambassadors at the conclusion of the 4-H Rabbit Show. The contest is divided into grade groups:
 - Novice: 4-H member in the 3rd or 4th grade on January 1 of the current year.
 - Junior: 4-H member in the 5th or 6th grade on January 1 of the current year.
 - Intermediate: 4-H member in the 7th or 8th grade on January 1 of the current year.
 - Senior: 4-H member in the 9th or 10th grade on January 1 of the current year.
 - Master: 4-H member in the 11th grade or above on January 1 of the current year.

READING LITERACY: READING

STATE FAIR: None.

OBJECTIVE: To encourage reading in and out of the formal classroom environment and for youth to share their love of reading with others. Reading effectiveness is associated with higher scores on tests measuring academic achievement, problem solving, and potential success in post-secondary education and employment. Reading holds unlimited possibilities.

DIVISIONS/LEVELS

Level 1	Grade 3 - 5
Level 2	Grade 6 – 8
Level 3	Grades 9 -12

MANUAL: County Project Manual

RECORD SHEET: County Record Sheet

PROJECT REQUIREMENTS:

1. Read at least 8 books each year with 4 from the Indiana Library Federation (www.ilfonline.org) lists at or above the student's grade level and 4 book of student's choice. On the Indiana Library Federation site, look under Programs and find the Eliot Rosewater Indiana High School Book Award list, the Read Aloud Book list, or the Young Hoosier Book Award (YHBA) list. Books must have been read since the previous Howard County Fair.
2. A special project representing a particular book, author, or idea may be exhibited. ***Difficulty of exhibit should represent the level entered.*** See Exhibit Options listed below.
3. Turn in completed record sheet including titles and authors of 8 books read.
4. All posters must meet the 4-H poster requirements. Poster exhibits shall be 22 inches by 28 inches and must be displayed HORIZONTALLY.
5. Members are to remember rules of copyrights and follow them accordingly.
6. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author to complete 4-H member's exhibit. This reference list might include website links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

EXHIBIT OPTIONS: Each year members should select an option below according to grade level for exhibit, not repeating options.

Level 1 Grade 3 - 5

- Construct a poster telling about a book you liked.*
- Develop a poster encouraging people to read.
- Create an original illustration for a story using a variety of materials.*
- Make puppets or masks of characters from your favorite book using paper mache, old socks, paper bags, or other materials.*
- Design a book jacket for a book you enjoyed.*
- Research an author and make a poster about that author.*
- Write a different ending for your story.*

Level 2 Grade 6 – 8

- Construct a mobile containing characters from your favorite book or about an author.*
- Generate a time line showing the works of an author.*
- Create a diorama depicting a scene from your favorite book using a shoebox and include a write up about the scene.*
- Develop a poster on a community service activity you did (based on books and/or reading).*
- Put together a storybook/picture book for a child.
- Make a scrapbook, chart, or poster of interesting words or unusual expressions found in a book.*
- Write a report (biography) of one of your favorite authors. You may want to include pictures as well as a list of his/her books. Exhibit your report in a binder.

Level 3 Grades 9 -12

- Make a PowerPoint presentation of the story elements (main characters, setting, plot, conflict, climax and resolution) of your favorite book. If this option is selected, a notebook of the presentation must be turned in to be used for exhibit during the fair.*
- Write a diary as a main character of your favorite book would have done telling some of the story events from his/her point of view.*
- Dress as author and tell about some of his/her writings.*
- Make a poster of a character costume you created. Show pictures of you wearing the costume. Include a character description.*
- Interview a librarian, a reading teacher, an author, or a book printer/binder and make a poster about that profession.
- Interview a character. Write at least ten questions that will give the character the opportunity to discuss his/her thoughts and feelings about his/her role in the story. Present your interview in a notebook including answers you think the character may give.*
- Create a sculpture of a character. Use any combination of soap, wood, clay, sticks, wire, stones, old toy pieces, or any other object. An explanation of how this character fits into the book should accompany the sculpture.*

* Options with this need to identify the title of the book and name of the author(s). If exhibit option refers to characters, the characters need to be identified with exhibit.

HOME ENVIRONMENT:RECYCLING

STATE FAIR: None.

OBJECTIVE: Recycling is a project designed to help educate youth about the importance of recycling and learning to be creative in recycling, other than taking items to a recycling center. Members learn to do this through the 5 R's - Reduce, Reuse, Reject, Repair and Recycle.

DIVISIONS/LEVELS:

Beginner	Grades 3 – 5
Intermediate	Grades 6 – 8
Advanced	Grades 9 – 12



MANUAL: County Manual 4-H Recycling Project (manual used all years in project)

RECORD SHEET: 4-H Recycling Record Sheet

PROJECT REQUIREMENTS:

1. Read the information at the beginning of the project manual to learn more about the need for recycling.
 2. Read the activities and experiments and choose one to do, recording the results in your notebook.
 3. Prepare an exhibit for the fair, following the exhibit requirements for your division.
 4. Complete the record sheet for this project. Get your leader or project helper's signature on the completed form and turn it in when you bring your project to the fair for exhibit.
 5. Projects should be exhibited in a sturdy manner; extension staff and 4-H Volunteers are not responsible for damaged projects.
 6. Grade is grade at time of enrollment.
- A recycled item is any item that is no longer used in its original form. Examples might include quilts from old clothing, rag rugs, feed sack dresses, feed sack dish towels, clothing out of curtains, milk crate shelving, barn siding picture frames, two liter bottle bird feeders, metal art, trash can from miscellaneous materials, metal coffee can - toilet paper holder, baby food jars - candle stick holder, old jeans - purses, bags or hats, medicine cabinet - shadow box, greeting cards - baskets, etc., old farm equipment - weather vanes, silverware - wind chimes.
 - Check around your house for items that are about to be discarded. They might include but are not limited to newspapers, magazines, egg cartons, aluminum foil, cardboard, fabrics, old clothing, buttons, foam meat trays, plastic bottles, string, coffee cans, food discards -eggshells, rice, garden seeds, grocery sacks.
 - Ask yourself, "What can I make out of this?" Be creative and the world will be a better place. Americans, today, have a keen sense of environmental issues. We are concerned about our environment and desire it to be cleaner, safer, and more attractive. This 4-H project is designed to make you more aware of how things that we might throw away daily could be turned into useful or decorative items for your personal use or home use.

BEGINNER (Grades 3 – 5)

Exhibit:

1. Recycle an article by making it into something else you can use. Exhibit this as your project.
2. Turn in a completed notebook/binder that includes your record sheet, results of one experiment from your manual, that you have completed, and information about the article that you recycled.

INTERMEDIATE (Grades 6 – 8)

Exhibit:

1. Choose **one** of the options below for your project exhibit:
 - a. Recycle an article by making it into something else you can use. Exhibit this as your project. Turn in a completed notebook/binder that includes your record sheet, results of one experiment or activity from your manual, that you have completed, and information about the article that you recycled.

- b. Prepare a poster (22" x 28" following poster requirements) or a display (no larger than 2' x 3') showing something you learned from your completed activities or experiments (include your results). You may show the actual experiment. A description of the activity or activities **MUST** accompany the project either on the poster or display OR in a notebook/binder.
2. Turn in your completed record sheet.

ADVANCED (Grades 9 – 12)

Choose **one** of the options below for your project exhibit:

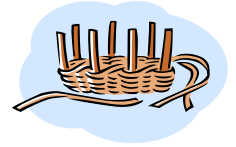
1. Recycle an article by making it into something else you can use. Exhibit this as your project. Turn in a completed notebook/binder that includes your record sheet, results of one experiment or activity from your manual, that you have completed, and information about the article that you recycled.
2. Expand on one of the activities or experiments in your manual. Prepare a poster (22" x 28" following poster requirements) or a display (no larger than 2' x 3') showing something you have learned. Turn in a completed notebook/binder, which includes your record sheet, results, and an explanation of how you changed or expanded the experiment.
3. Plan and begin (or continue) a recycling program in your home or neighborhood. Prepare a poster (22" x 28" following poster requirements) or a display (no larger than 2' x 3') showing your plan, one or more of the benefits of your recycling efforts (money saved or recouped, resources saved in terms of pounds of materials, number of trees, manufacturing dollars, etc.). A description of the activity or activities **MUST** accompany the project either on the poster or display OR in a notebook/binder. Turn in your completed record sheet.
4. Design your own activity or experiment and exhibit about it. Size limitations are the same as for the other exhibits. Difficulty level should be about the same as the other options in this level. Check with Extension Office and/or local club leader for approval of plans. Turn in a completed notebook/binder which includes your record sheet, results and outline of your plans.

ARTS AND CRAFTS: REED BASKET

STATE FAIR: One State Fair entry is eligible from the Reed Basket Craft that fits requirements. This will be entered as a Craft entry,

MANUAL: County Manual 4-H Basket Weaving (manual used all years in project)

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)



DIVISIONS/LEVELS:

<i>Level A</i>	Grades 3 – 4	<i>Level C</i>	Grades 7 – 9
<i>Level B</i>	Grades 5 – 6	<i>Level D</i>	Grades 10 – 12

PROJECT REQUIREMENTS:

1. Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.
2. Projects should be exhibited in a sturdy manner; extension staff and 4-H Volunteers are not responsible for damaged projects.
3. Member may stay in a level as long as grade permits
4. Photos must be provided for multi-piece exhibits.
5. Knives, swords, etc. will be judged but not displayed for safety and liability.

NOTES

- Let's be skillful. You should make articles that are useful. Do your work neatly, and gradually do more advanced work.
- Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.

LEVEL A (Grades 3-4): To learn to select and use basic reed materials.

Requirements: Learn the sizes and shapes of reed materials; Learn the basic weaving steps such as over/under & twining; Learn to make simple lashed borders; Make a simple basket, may have handle/and or color.

Exhibit:

1. Basket made with basic weaving techniques.
2. Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.

LEVEL B (Grades 5 – 6): To learn to weave an entire article.

Requirements: Learn to use some of the intricate weaving techniques, such as triple twining, curls and lacework; A simple basket, may have a handle, and or color. Solid wood bottom is acceptable.

Exhibit:

1. Basket gradually increasing in difficulty over previous year
2. Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.

LEVEL C (Grades 7-9): To learn to work with more advanced weaves.

Requirements: Learn advanced weaves such as Japanese, double arrow twills and chase; Learn to dye reed material; Show progress from the previous year's experience, may have handle and or color; Learn new borders which show progress such as matchstick, braided or Gretchen borders.

Exhibit:

1. Basket with gradually advancing techniques.
2. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grades 10-12): To develop skills in working with more difficult types of weaving.

Requirements: More advanced members select an article that will show progress over previous year's weaving; Can experiment with natural materials such as willow, pine needles and/or barks; Learn to make lids, advanced borders; twill patterns, woven embellishments and double wall; May have handle, color and/or a solid wooden bottom; May create your own original pattern and turn in with basket.

Exhibit:

1. A completed basket following requirements.
2. **Attach the "4-H Craft Information Card" (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

COLLECTIONS & HOBBIES: 4-H MEMORIES SCRAPBOOK

STATE FAIR: None.

OBJECTIVE: The purpose of this project is to encourage 4-H members to keep accurate records of their projects, offices held, activities and any other awards, trinkets or potpourri related to 4-H. The object is not to collect the most scraps and the thickest scrapbook, but to develop a neatly organized and meaningful collection of your 4-H accomplishments and memories.

MANUAL: County Manual (used all years in project)

RECORD SHEET: Howard County Scrapbook: 4-H Memories

PROJECT REQUIREMENTS:

1. **All scrapbooks must contain at least one white "4-H Record of Achievement" sheet with both sides completed.** If these sheets get full, more should be added. These white record sheets must be at the front of the scrapbook and additional ones are available from the Extension Office.
2. Attach an exhibit card to each scrapbook exhibited that includes name, club, and year in the project. These are available from the Extension Office.
3. There will be 3 levels for scrapbooks based on the member's grade and not their tenure in 4-H.
 - a. **LEVEL 1** - Grades 3-5
 - b. **LEVEL 2** - Grades 6-8
 - c. **LEVEL 3** - Grades 9-12
4. Turn in your completed record sheet at project check-in. **DO NOT SECURE THE RECORD SHEET IN YOUR SCRAPBOOK. If secured, the exhibit will be dropped one (1) ribbon.**
5. **In the front of the book, include a "My 4-H Story" that shares something about 4-H and you.** Ideas include your favorite 4-H project and why, a 4-H memory and why you value it or a 4-H reflection sharing what you have gained or learned from your involvement in 4-H. This story must be new each year.
6. If multiple books are brought in for judging, only the most recent book will remain for display during the Fair. Members will take their "extra" book home with them at the conclusion of judging.

PROJECT NOTES:

- Scrapbooks can be any dimension or thickness.
- Scrapbooks should be able to come apart, so new pages can be added **OR** they should have enough pages for additional years in 4-H.
- All items in the scrapbook must be securely mounted and labeled.
- Pages do not need to be covered in plastic, unless the member desires to have them covered or wishes to protect very important items. However, those pages covered in plastic protect items in the scrapbook and allow the scrapbook to hold up over time.
- Be creative, imaginative, organized and neat. In return, you will be rewarded with a permanent record of your 4-H activities, which will bring years of memories and enjoyment.



COLLECTIONS & HOBBIES: SCRAPBOOKING

STATE FAIR: None.

OBJECTIVE: This is a project that teaches you how to preserve memories.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

MANUAL: Howard County Scrapbook Manual & Resource manual “Scrapbooking 4-H 497”

RECORD SHEET: Howard County Scrapbook Record Sheet

PROJECT REQUIREMENTS:

1. Each scrapbook will have a front and back cover and should be able to come apart to add additional pages. The scrapbook should be at least 8” X 10” in size. (12” X 12” is the most common size and will be easier to work with.)
2. Each scrapbook **MUST** have a cover page that includes your name and the chosen theme for the exhibited pages.
3. Turn in completed record sheet at check in. **DO NOT SECURE IT TO THE SCRAPBOOK. If secured in the scrapbook, the exhibit will be dropped one (1) ribbon.**
4. **Each scrapbook MUST use the 4-H SCRAPBOOK exhibit card provided by the county.** The label will include name, county, club, grade, exhibit year and pages to be judged. This exhibit card should be placed on the cover of your book.
5. All items in the scrapbook must be securely mounted and labeled. Each page will be covered with a plastic page protector. Be creative, imaginative, organized and neat.
6. All papers/pages should be acid-free and lignin-free.
7. Each page must include at least one (1) photo in addition to other materials.
8. Each scrapbook must contain the minimum number of new “scrapbook” pages for your level exhibited. **Only these pages should be included. All other pages must be removed.** Do not include any incomplete or unfinished pages.

Level 1 (Grades 3—5)

EXHIBIT: A Scrapbook containing 6 **NEW** pages (front and back) or 3 **NEW** 2 page layouts or any combination thereof that meet the requirements below.

- **Layout:** Simple 2-3 colors of paper; stickers and die cuts can be used, but are not mandatory.
- **Cropping:** Straight cutting of photos using regular scissors or paper cutter. Decorative scissors can be used on colored paper. Use of corner rounder is allowed.
- **Journaling:** The minimum amount of journaling would be bullet labeling which is supplying the basic information such as who, what, when and where. Ex. Jessica, 10, first year of 4-H, showing her cat Tiger. You can never journal too much. This project’s purpose is to preserve your memories, so what better way than journaling in your own words what happened in your pictures? **Please Note:** Keep in mind that the main focus is preservation and not how many stickers or fancy papers you use on your page. Let your pictures and memorabilia be the main focus.

Level 2 (Grades 6—8)

EXHIBIT: A Scrapbook containing 8 **NEW** pages (front and back) or 4 **NEW** 2 page layouts or any combination thereof that meet the requirements below.

- **Layout:** More creative layout. Creative borders and lettering can be used.
- **Cropping:** Circle, oval and other shaped templates can be used.

- **Journaling:** Captions put bulleted information into sentences, but should still answer who, what, when & where. Example: I won a red ribbon for my second place lamb. I was happy to even place because the competition at our fair is so great.
- **Please Note:** Using a variety of cropping techniques and page layouts will add interest and creativity to your album. Not everything has to be cropped and “artsy.” Too many different shapes on the page can be distracting. Use a nice balance.

Level 3 (Grades 9—12)

EXHIBIT: A Scrapbook containing 10 **NEW** pages (front and back) or 5 **NEW** 2 page layouts or any combination thereof that meet the requirements below.

- **Layout:** May include more complicated layouts, such as quilt type layout, but not every page has to be these types. Use techniques you have learned in previous divisions. Include a variety of layouts.
- **Cropping:** Silhouette cropping can be used in addition to techniques you have learned in previous divisions.
- **Journaling:** Use bullets and captions, plus storytelling – writing your thoughts and feelings and telling a complete story or memory on each page. Not every photo has a complete story; please choose the ones deserving of this when you are thinking of your page designs. It is okay to put several photos on a page and just use one of them to tell a story. Label or caption the others on the page. It’s easiest to story tell if you pretend like you’re writing in your diary, or sharing some exciting news with your best friend. **Example:** *Ever since my older brother Tim began showing pigs in 4-H, I have been looking forward to getting old enough to show hogs too. This has been a fun project because it is a family activity. My parents, brother and I went to some pig auctions in March and April. We finally bought a good one in our price range at a pig sale. Since we brought Wilbur home, I have been feeding him and keeping his pen clean, with a little help from Tim. It’s a lot of work, but I really enjoy it. After school was out, I started walking him at least once a day. He’s really tame and knows exactly what I want him to do. I have spent so much time with him, I know I will be sad to sell him. Tim told me that’s just part of the project and I can use that money to buy another pig next year. That is true, but I know I’ll never forget Wilbur and my first year of 4-H!*



SEWING: SEW FOR FUN

STATE FAIR: No State Fair entry.

OBJECTIVE: The purpose of this project is to learn basic sewing techniques, how to select fabrics, and how to select and alter patterns while sewing useful items for oneself or the home.

NOTE: This project is designed for teaching simple sewing skills, and is not judged by the sewing skills criteria as is the Sewing Project.

DIVISIONS/LEVELS:

Level A Grades 3 – 4

Level B Grades 5 – 6

Level C Grades 7 – 9

Level D Grades 10 – 12

PROJECT REQUIREMENTS:

1. **Important:** After a sewing project is judged, it will not be allowed to leave the building.
2. Must complete a 4-H Craft information Card (4-H 618a-W).
3. **Any items entered that would fit the Sewing project will be entered as a Sewing item.**

LEVEL A (Grades 3 – 4)

Exhibit from one of the items listed below:

1. Throw pillow – no trim.
2. Table napkins – Exhibit 2 items.
3. 1 oven mitt, 1 pot holder, **or** 1 casserole mitt
4. Hair accessories – hair bow, pony tail holder, or headband - Exhibit 2 items.
5. Preprinted projects (banners, Christmas stockings, etc. You may be creative in adding trim to these items.
6. Sew an article showing comparable skills as the items listed above.

LEVEL B (Grades 5 - 6)

Exhibit one of the items listed below:

1. Throw pillow – may be trimmed and/or ruffled with fabric or lace.
2. Table cloth with napkins (Exhibit 4 napkins).
3. Mittens (1 pair)
4. Baby doll clothes (1 outfit)
5. Placemats with napkins (2 sets).
6. Pillow cases – 1 pair – Be creative with ruffles, lace, etc. pillowcases must be sewn by member.
7. Christmas stocking – May use trim and/or pre-quilted fabric.
8. Sew an article showing comparable skills as the items listed above.

LEVEL C (Grades 7 -9)

Exhibit one of the items listed below:

1. Throw pillow – may be a unique shape and have trim. Include an opening to remove pillow form.
2. Round Table cloth with napkins – Exhibit 4 napkins.
3. Clutch purse.
4. Table runner – May use pre-quilted fabric or piece your table runner.
5. Barbie doll type clothes - 1 outfit
6. Wall hanging – May use preprinted fabric or may piece together. Should be ready to hang.
7. Christmas tree skirt. – may be pieced or pre-quilted fabric. Be creative with trim.
8. Sew an article showing comparable skills as the items listed above.

LEVEL D (Grades 10 – 12)

Exhibit one of the items listed below:

1. Throw pillow – must be a unique shape (i.e. heart shaped, or have a pieced top, be trimmed with lace, ruffle, cording, and have a zipper opening.)
2. Shoe bag.
3. Lamp shade cover
4. Window treatment - shade, valance, or curtain.
5. Clutch purse with zipper
6. Bedspread or coverlet - pre-quilted or unquilted fabric or pieced.
7. Outfit or costume for small child.
8. Chair cushions (Exhibit 2 items)
9. Sew an article showing comparable skills as the items listed above.

SEWING

STATE FAIR: A champion will be selected in each grade level of all three sewing options; sewn garment (wearable), sewn article (item), an action demonstration. Those champions will be the State Fair entries.

OBJECTIVE: The purpose of this project is to learn the use of a sewing machine, how to select fabrics, how to select and alter patterns, plus learn the fundamental techniques of good construction. Build yourself a good reference library. Many good resources are available. Examples: Coats & Clark, Vogue, McCall's, Simplicity, Butterick, Purdue publications.

NOTE: Complete Fashion Revue requirements are found under general rules.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4	Level D	Grades 10 – 12
Level B	Grades 5 – 6	Level C & D	Advanced Sewing Wearable
Level C	Grades 7 – 9		

PROJECT REQUIREMENTS:

1. **Important:** After a sewing project is judged, it will not be allowed to leave the building, except for Fashion Revue.
2. You may want to make more garments and articles than those listed in your manuals. By doing so, you will continue to improve your sewing skills and knowledge.
3. Youth will be encouraged to participate in community service (sew on buttons, do hems, repairs, etc., for hospitals or caring centers, etc.)
4. Youth can sew garments for other people as well - exhibits do not need to be made just for them.
5. Turn in a completed skills card with each exhibit, listing the specific skills you used on that exhibit.
6. **Completed manual (record sheets in back of manuals) must be turned in when you check-in your 4-H project.**

LEVEL A (Grades 3 – 4): MANUAL: 4-H 924 Let's Sew – used all years in project, one per family.

Grade 3: Manual: 4-H 925 Sew Simple; Record Sheet: 4-H 925 A-W, Sewing Skills Card 4-H 925c-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Elastic waist shorts, pants, or skirt with fold over casing: no pockets or similar sewn clothing article made to be worn by the 4-H member or another person. Attach Sewing Skills Card (4-H 925c-W) to the exhibit
2. **Non-wearable:** Simple pillow sham with lapped back opening and purchased pillow form (following instructions provided in manual. **OR** Simple tote bag with handles or drawstring or similar sewn article. Attach Sewing Skills Card (4-H 925c-W) to the exhibit.

Sewing skills for this level (Include at least 2 skills):

- Insert elastic or drawstring
- Sew and trim a crotch curve
- Machine topstitch hems
- Use a simple seam finish
- Stitch in the ditch



Grade 4: Record Sheet 4-H 925 B W, Sewing Skills Card 4-H 925c-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Shorts, pants **OR** skirt with partial or full sewn-on waistband or waistline facing, or partial elastic waistband (not a full elastic waistband) **OR** simple shirt or top **OR** BBQ apron or similar sewn clothing article made to be worn by the 4-H member or another person. Attach Sewing Skills Card (4-H 925c-W) to the exhibit.

2. **Non-wearable:** Shaped pillow with curved seams, stuffed, and sewn closed **OR** Hanging pocket organizer **OR** Bound edge placemats (set of 4 or similar sewn article. Attach Sewing Skills Card (4-H 925c-W) to the exhibit.

Sewing Skills for this level: Seam finishes are recommended on all exposed seams. Include at least 2 of these skills for each sewn exhibit:

- Use Interfacing
- Staystitch and understitch
- Apply a facing or binding
- Stitch curved seams
- Trim and grade seams
- Work with fiberfill
- Machine topstitch hems

LEVEL B (Grades 5 – 6):

Grade 5: Manual: 4-H 926 Sew Smart; Record Sheet: 4-H 926 A-W, Sewing Skills Card 4-H 926C-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Simple shirt with sleeves **OR** sundress **OR** jumper **OR** Simple 2-piece pajamas or similar sewn clothing article made to be worn by the 4-H member or another person. A similar article is permissible provided the skillset is the same as the listed articles. Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
2. **Non-wearable:** Pillow lap quilt (quillow) **OR** structured duffel bag **OR** tote bag **OR** backpack **OR** sewn hat or similar sewn article. Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
3. All garments in sewing are to be made for human wear. Any animal based costumes or garments will be entered in to the crafts category.

Sewing Skills for this level: Seam finishes are recommended on all exposed seams (except knits). Interfacing, understitching and trimming should be used when appropriate.

Choose at least 3 of these additional skills for each sewn exhibit.

- match fabric design
- apply purchased trim or ribbing
- sew with knit
- sew a simple sleeve
- sew patch or inseam pockets
- gather fabric
- insert elastic
- hand stitched hem
- apply binding
- insert a zipper
- machine blind hem
- apply facings
- use a simple lining
- machine topstitched hem
- use batting
- use a drawstring
- machine topstitching
- sew buttons

Grade 6: Record Sheet 4-H 926 B-W, Sewing Skills Card 4-H 926C-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Two (2) garments that can be worn together made to be worn by the 4-H member or another person. Attach Sewing Skills Card (4-H 926D-W) to the exhibit.
2. **Non-wearable:** Pillow sham with button or zipper closing; appliquéd design, piping or ruffle; make your own pillow form. **OR** Tote bag with zipper or duffel bag with zipper, pockets and lining. **OR** Doll or pet clothes or similar sewn article. **OR** Construction techniques sample notebook (following instructions printed in the manual). Attach Sewing Skills Card (4-H 926D-W) to the exhibit.

Sewing Skills for this level: Seam finishes are recommended on all exposed seams (except knits). Interfacing, under stitching and trimming should be used when appropriate. Choose at least 4 of these additional skills for each sewn exhibit.

- sew facings
- set in sleeves
- apply bindings
- sew a simple lining
- simple collar
- hand stitched hem
- machine blind hem
- machine topstitched hem
- buttonholes
- sew with knit
- sew tucks or pleats
- make darts
- insert a lapped zipper
- match fabric design
- sew with a serger
- sew ruffles
- apply trim
- use fiberfill
- hand sew buttons
- machine appliquéd

- insert piping
- machine topstitch
- sew patch pockets
- sew inseam pockets
- apply ribbings

LEVEL C (Grades 7 – 9):

Grade 7: Manual: 4-H 927 Sew Fine; Record Sheet 927 A-W, Sewing Skills Card 4-H 927C-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** School, casual or sports outfit made to be worn by the 4-H Member or another person. Can be one or more pieces. Attach Sewing Skills Card (4-H 927C-W) to the exhibit.
2. **Non-wearable:** Dressed, jointed (with sockets) stuffed animal **OR** Sewn item for holiday or special occasion **OR** Construction techniques sample notebook (following instructions printed in the manual). Attach Sewing Skills Card (4-H 927C-W) to the exhibit.

Sewing Skills for this level: Seam finishes are recommended on all exposed seams (except knits). Interfacing, understitching and trimming should be used when appropriate. Choose at least 5 of these additional skills for each sewn exhibit.

- | | | | |
|-------------------------|-------------------------|-----------------------|----------------------------|
| • make darts | • topstitching | • lapped zipper | • sew on buttons |
| • collar | • hand stitched hem | • machine blind hem | • use fiberfill |
| • construct with serger | • machine topstitching | • tucks/pleats | • ruffles |
| • inseam pockets | • binding insert | • lining | • fly front zipper |
| • cuffs | • piping | • invisible zipper | • buttonholes |
| • applique | • machine topstitch hem | • match fabric design | • front hip pockets |
| • machine quilting | • use twin needle | • use doll joints | • apply trims |
| • patch pockets | • facing | • ribbing | • apply machine embroidery |
| • sleeves | | • separating zipper | |

Grades 8 & 9: Record Sheet 4-H 927 B-W, Sewing Skills Card 4-H 928C-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Same as fashion revue categories (School wear, dress-up wear, free choice, suit/coat, separates and formal wear). *A 4-H member may exhibit more than one outfit, but only one outfit per category with a maximum of three outfits.* Attach Sewing Skills Card (4-H 928-C-W) to the exhibit.
2. **Non-wearable:** Sewn items for your home (i.e. wall hangings, table runners, fancy pillows, bedding pieces, pillow cases, shams, duvets, quilts, throw, curtains, etc.) **OR** Construction techniques sample notebook **OR** Sewing machine survey. (See instructions printed in the project manual). Attach Sewing Skills Card (4-H 928C-W) to the exhibit.

Sewing Skills for this level: Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics). Interfacing, under stitching and trimming should be used when appropriate. Choose at least 6 of these additional skills for each sewn exhibit.

- | | | | |
|-------------------------|-------------------------|-----------------------|-----------------------------|
| • darts | • machine topstitch hem | • use fiberfill | • plackets |
| • collar | • use twin needle | • gathers | • neckband |
| • construct with serger | • facings | • fly front zipper | • lapels |
| • inseam pockets | • lapped zipper | • machine buttonholes | • underlining |
| • cuffs | • machine blind hem | • apply trims | • self-covered buttons |
| • appliqué | • tucks/pleats | • elastic | • specialty threads |
| • machine quilting | • lining | • hand beading | • vents |
| • patch pockets | • invisible zipper | • bound edges | • drawstring |
| • sleeves | • match fabric design | • hand picked zipper | • self-enclosed seams |
| • topstitching | • make shoulder pads | • boning | • bound buttonholes |
| • hand stitched hem | • ribbing | • hand quilting | • button loops |
| • front hip pockets | • separating zipper | • waistband | • welt pockets |
| • ruffles | • sew on buttons | • shaped seams | • sew with difficult fabric |
| • insert piping | | | • machine topstitching |

- apply machine embroidery • sew with knits

Level D (Grades 10 – 12): Manual 4-H 928 And Sew On, Record Sheet-4-H 928 A-W, Sewing Skills Card 4-H 928C-W

4-H member may exhibit wearable and non-wearable items, see below for item requirements:

1. **Wearable:** Same as fashion revue categories (School wear, dress-up wear, free choice, suit/coat, separates and formal wear). *A 4-H member may exhibit more than one outfit, but only one outfit per category with a maximum of three outfits.* Attach Sewing Skills Card (4-H 928C-W) to the exhibit.
2. **Non-wearable:** Sewn items for your home **OR** Construction techniques sample notebook **OR** Sewing machine survey. (See instructions printed in the project manual). Attach Sewing Skills Card (4-H 928C-W)

Sewing Skills for this level: Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics). Interfacing, under stitching and trimming should be used when appropriate. Choose at least 6 of these additional skills for each sewn exhibit.

- | | | | |
|-------------------------|--------------------------------|------------------------|---|
| • make darts | • facings | • elastic | • drawstring |
| • collar | • lapped zipper | • hand beading | • self-enclosed seams |
| • construct with serger | • machine blind hem | • bound edges | • bound buttonholes |
| • inseam pockets | • tucks/pleats | • hand-picked zipper | • ruffles |
| • cuffs | • lining | • boning | • welt pockets |
| • appliqué | • invisible zipper | • hand quilting | • sew with difficult fabric |
| • machine quilting | • match fabric design | • waistband | • machine topstitching |
| • patch pockets | • make shoulder pads | • shaped seams | • apply machine embroidery |
| • sleeves | • ribbing | • plackets | • coordination of fabric for quilted item |
| • topstitching | • separating zipper | • neckband | • hand/machine beading |
| • hand stitched hem | • sew on buttons | • sew with knits | • make a reversible item |
| • front hip pockets | • use fiberfill and/or batting | • button loops | • piece quilted item |
| • binding | • gathers | • lapels | • other skills not listed above |
| • insert piping | • fly front zipper | • underlining | |
| • machine topstitch hem | • machine buttonholes | • self-covered buttons | |
| • use twin needle | • apply trims | • specialty threads | |
| | | • vents | |

Levels C & D - Advanced Sewing Wearable Exhibits

All senior sewing wearable exhibits (Grades 8-12) are to be made so it can be worn by the exhibitor or another person. All senior sewing (Grades 8-12) outfits exhibited in Fashion Revue must be made and worn by the exhibitor.

Definition of an Outfit: An outfit is a garment or garments that when put together make a complete look - such as one- or two-piece dress, or one- or two-piece pant suit, or a three-piece combination, such as pants, vest, and blouse or shirt. **A 4-H member may exhibit more than one outfit, but only one outfit per category.**

- **Informal or Casual Wear:** A complete outfit of one or two pieces suitable for school, weekend, or casual, informal activities.
- **Dress Up:** This is suitable for special, church, or social occasions that are not considered to be formal. It may be an outfit of one or more pieces with or without its own costume coat or jacket (lined or unlined). This is not an outfit that would be worn to school, weekend, or casual, informal activities.
- **Free Choice:** A complete outfit comprised of garments that do not fit in the other classifications. Examples include: tennis wear, swim wear, athletic or other active sportswear, lounge wear, riding habits, historic, dance, theatrical, or international costumes, capes and unlined coats.
- **Suit or Coat:** The suit consists of two pieces including a skirt or pants and its own lined jacket. It is not a dress with jacket as in "dress up wear". The coat is a separate lined coat. It will be judged separately as a coat with its

own accessories.

- Separates: Consists of three garments that must be worn as a coordinated complete outfit. Each piece should be versatile enough to be worn with other garments.
- Formal Wear: This outfit may be one or more pieces suitable for any formal occasion, such as proms, weddings, and formal evening functions.

SHEEP

STATE FAIR: Separate entries are required for participation. See State Fair Guidelines for more information.

OBJECTIVE: The educational 4-H sheep program and related activities (such as workshops and tours) provide youth with a fun and hands-on learning experience which develops both sheep subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications) under the direction of caring adults.

MANUAL: 4-H 194 R Sheep Resource Handbook (one per family)

RECORD SHEET: Grade specific

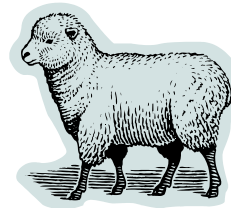
NOTE: Visit <http://www.four-h.purdue.edu/livestock/index.html> for more information.

1. All 4-H members must be enrolled by State 4-H enrollment deadline.
2. A 4-H member may enroll a maximum of ten (10) market lambs, ten (10) yearling ewes, and ten (10) ewe lambs.
3. Lambs must be born after September 1ST of the previous year.
4. All market lambs and all commercial ewes must be individually identified at the start of the project by means of a 5 digit county ear tag. All registered ewes will be identified by flock tag or 5 digit county ear tag. **To be eligible for State Fair, Market lambs, commercial ewes and registered ewes must also be retinal scanned.** All 4-H sheep must be recorded in Fair Entry by May15th! Also the Animal Location Form must be turned in to the Extension Office by May 15th.
5. **All 4-H sheep members MUST BE YQCA certified by June 1.**
6. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
7. All animals must be owned by the 4-H Club member or owned in partnership. See Rule #3 under Livestock Exhibit Rules for further information on ownership and partnership requirements.
8. A 4-H member must be present and show their own animal. (Refer to Livestock Exhibit Rules.)
9. Market lamb classes will consist of both wethers and ewe lambs. **You must decide at check-in if your ewe lamb will show in the market or breeding class.**
10. Market lambs will be weighed when they are unloaded at the fairgrounds. Market lambs weighing less than 70 lbs. will show, but will not be eligible to compete for grand champion, or sell in the auction, UNLESS it is the **ONLY** market lambs the 4-H member has to sell. (Refer to Auction Rule #6.) Market lambs will be shown by weight.
11. Member may show a maximum of two (2) ewe lambs, two (2) yearling ewes, one (1) pair of ewe lambs and one (1) pair of yearling ewes and four (4) market lambs.
12. 4-H exhibitors in the breeding ewe show are limited to two breeds and commercial is considered a breed. Breeds will be determined per the State Fair guidelines.
13. Classes will be divided into nearly equal numbers not to exceed ten (10) animals per class.

14. Ewe lambs and yearling ewes of the same breed (including commercial) will show in separate classes. First place ewe(s) lamb and first place yearling ewe(s) will compete for Champion Ewe. Champion Breed Ewes will then compete for Grand Champion Ewe. The Grand Champion's reserve will then show with the remaining Champions for Reserve Grand Champion. A member will be allowed to show two (2) ewes per class. Member must designate at time of unloading, which class ewe is to be shown. Registration papers will be checked at this time.
15. All market lambs, including ewe lambs being shown as market lambs, must be slick sheared.
16. All Record Sheets are required for project completion and are due at the end of the check-in time for each individual project. If a Record Sheet is not turned in for a Livestock project, the project will move to the bottom of the auction order for the species. Record Sheets will not affect eligibility for State Fair.
17. In the event of conflict of general rules or any matter not covered by the rules, the Sheep Superintendent will govern in consultation with the Extension Educator.

CLASSES:

1. Ewe Lamb
2. Pair Ewe Lambs
3. Yearling Ewe
4. Pair Yearling Ewes
5. Grand Champion and Reserve Grand Champion Ewe



Single Market Lamb - classes will be determined by weight after all market lambs have been weighed. The classes will then be divided into three weight groups. The first place market lambs in each weight will show to select the Champion and Reserve Champion market lambs in each weight group. The three Champion market lambs will show for Grand Champion. The Grand Champion's reserve will then show with the two remaining Champions for Reserve Grand Champion.

Showmanship - For showmanship rules see the Showmanship Guidelines. These include divisions.

Halter Class - Presentation of a sheep for exhibition with the use of the halter only. 4-H member is required to own the animal. No hands or body contact is allowed. Member will be disqualified for handling of the animal. There will be two age classes:

- a. Juniors - Grades 3 – 6
- b. Seniors - Grades 7 – 12

A champion and three (3) honors will be chosen for each age class. An exhibitor who wins in the Junior Halter Class is required to move on to the Senior Class.

BOAH HEALTH AND EXIBITION REQUIREMENTS:

A. Limitations on Exhibition

This section describes limitations on exhibiting animals in Indiana. Other exhibition limitations may be described in the species-specific requirements that follow.

1. Failure to meet all animal health requirements will result in removal of animals from the exhibition premises.
2. The following animals are not eligible for exhibition in Indiana:
 - a. Animals that originate from a herd that is under quarantine.
 - b. An animal prohibited from exhibition under any law or order.
 - c. Any animal classified as a brucellosis "suspect".
 - d. Animals showing signs of any infectious or communicable disease or that are a health hazard to people

or other animals.

e. Any animal that does not meet state animal health requirements.

3. Any animal that develops or shows signs of any infectious or communicable disease during exhibition must be removed from the premises, including the surrounding exhibition grounds. An owner who is disputing the exclusion of his/her animal(s) from exhibition may not exhibit the animal in question pending any appeal.

The State Veterinarian is authorized to make the final determination as to an animal's eligibility for exhibition. The state veterinarian may order removal of any animal from the exhibition grounds.

Exhibition organizers may impose health requirements in addition to those prescribed by BOAH. Added requirements may not contradict requirements imposed by BOAH.

Exhibition organizers may have a licensed and accredited veterinarian review animals and animal health documentation during the exhibition.

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.
2. Blankets must be removed from all sheep at the time of arrival.
3. All sheep wethers must be presented slick-shorn for inspection at arrival.
4. No sheep may be exhibited that are showing signs of being infected with ringworm.

4. Identification: (Only wethers under the age of 18 months do not require scrapies program identification)

All exhibition animals must be permanently and individually identified by an acceptable method. Official ear tags are tags approved by the USDA. Official ear tags must bear the US shield to be considered official identification (official ear tags placed before March 11, 2015 that do not have the US shield will be accepted.) Official identification acceptable for specific species of livestock exhibited in Indiana are as follows:

- Scrapie program flock tags
- Electronic implant (goats only), for breed-registered animals only when noted on registration paperwork
- Tattoo, if accompanied by registration papers with tattoo noted
- Tattoo of the scrapie flock ID number along with an individual animal ID number

For more information on goat health requirements, call the Indiana State Board of Animal Health (317) 544-2400 or visit BOAH's website at: www.in.gov/boah/2421.htm. To obtain identification tags (scrapie tags) for sheep/goats or additional information about the scrapies identification program, contact Theresa Schuck at 317-697-9478.

SHOOTING SPORTS

STATE FAIR: One State Fair entry will be selected from each level. Each entry must meet the State Fair requirements.

OBJECTIVE: The Shooting Sports program is designed to provide you with the knowledge and hands on practice you need to safely handle firearms and archery equipment. This program covers such subjects as safe handling and proper care of equipment, safety rules, learning to provide for your own safety and the safety of others, and identifying the proper ammunition for your firearm. Also covered will be your responsibilities when handling firearms and your responsibilities in the field.

PROGRAM GOALS:

1. To encourage understanding of natural resource concepts through participant's interest in shooting and hunting.
2. To enhance development of participant's self-concept, character and personal growth through safe, educational, and socially acceptable involvement in shooting activity.
3. To teach safe and responsible use of firearms and archery equipment including sound decision-making, self-discipline, and concentration.
4. To promote the highest standards of safety, sportsmanship, and ethical behavior.
5. To expose participants to the broad array of vocational and lifelong vocational activities related to shooting sports.
6. To strengthen families through lifelong recreational activities.
7. To complement and enhance the impact of existing safety and hunter education programs.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12
Level Independent Study	Grades 9 – 12

RECORD SHEET: Shooting Sports Record Sheet, Health Form, 4-H Youth Development Projects, Events and Activities Release form for Shooting Sports

DISCIPLINES: Shooting Sports activities include Archery, Black Powder, Shotgun, Pistol, Rifle and Hunting and Wildlife. Each discipline teaches safety, concentration, self-discipline, goal-setting, decision-making, and courtesy as young people learn the basic skills and build toward more advanced activities. Both competitive and cooperative skills are included. Participants are exposed to local policies, regulations, laws, and ethical behavior by repeated demonstration and through personal practice.

NOTE:

- Firearms or ready to bows are not allowed to be exhibited. Unstrung bows are permissible.
- Live ammunition is not allowed to be exhibited (no power or primer).
- An arrow with its arrowhead attached must be displayed in a secure case. An arrowhead without the arrow attached must be displayed in a secure case. An arrow may be displayed unsecured if its arrowhead is removed. Modern broad head arrow are not allowed to be exhibited.
- Displays involving firearms or bows may be exhibited as a photographic display on a poster or in a notebook following grade level guidelines.
- Handmade items must include information explaining how the project was made and its intended use. Photos are encouraged.

REQUIREMENTS:

1. Completion of safety class as outlined in the GENERAL RULES.
2. Make a safety presentation at a scheduled meeting.

GENERAL RULES:

3. Each member enrolled in the 4-H Shooting Sports Project must follow the Howard County guidelines for 4-H membership and activity participation.
4. All parents of Shooting Sports members are highly encouraged to attend the 4-H Shooting Sports meetings and activities.
5. Any member, regardless of age, at the beginning of their first year in Shooting Sports must attend the Basic Safety Course or Outdoor Pursuits before starting range activities. A makeup session may be scheduled with and at the option of the discipline Instructor.
6. The commands or instructions of the discipline Instructor or Range Officer **MUST** be followed immediately and completely.
7. **HORSE PLAY WILL NOT BE TOLERATED.**
8. The discipline Instructor has the right and responsibility to ask any member to leave or to remove that member from the firing line if that member's actions endanger him/her or a fellow member or any property.
9. Members are limited to participate in one (1) discipline per year.
10. 4-H members may not bring personal firearms or archery equipment to the Shooting Sports meeting without prior approval from the discipline Instructor.

Action Demonstration: All 4-H members are encouraged to do an Action Demonstration to teach fairgoers something about your sport. Action Demonstrations should involve your audience.

NOTE: It is suggested that first year Shooting Sports members should complete their exhibit on safety.

Each Level (1, 2, 3) of the Shooting Sports project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project.

LEVEL 1 (Grades 3 – 5)

Exhibit: Title your exhibit with one of the following: archery, outdoor skills, muzzleloading, pistol, rifle, shotgun or shooting sports. You can use a subtitle if you wish.

1. A 22 x 28 inch poster showing what you learned in the 4-H Shooting Sports education project this year.
2. Turn in a completed record sheet.

LEVEL 2 (Grades 6 – 8)

Exhibit: Title your exhibit with one of the following: archery, outdoor skills, muzzleloading, pistol, rifle, shotgun or shooting sports. You can use a subtitle if you wish.

1. Exhibit **MUST** meet the size restrictions or be presented in a notebook. Choose one of the following:
 - a. A 22 x 28 inch poster.
 - b. Small project or model no larger than 18 X 18 X 36 inches.
 - c. Notebook, showing how a shooting sports item was made, or project completed.
2. Turn in a completed record sheet.

LEVEL 3 (Grades 9 – 12)

Exhibit: Title your exhibit with one of the following: archery, outdoor skills, muzzleloading, pistol, rifle, shotgun or shooting sports. You can use a subtitle if you wish.

1. Choose one of the following:
 - a. A 22 x 28 inch poster.
 - b. Project or model (any size) and explanation of costs and procedure.
 - c. Notebook, showing how a shooting sports item was made, or project completed.
2. Turn in a completed record sheet.

Level: Independent Study; grades 9-12

Exhibit: Title your exhibit with one of the following: archery, outdoor skills, muzzleloading, pistol, rifle, shotgun or shooting sports. You can use a subtitle if you wish.

- **Advanced topic-** Learn all you can about an advanced shooting topic and present it on a poster and/or in a notebook. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster, “Advanced Shooting Sports-Independent Study”
- **Mentoring-** exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, “Advanced Shooting Sports – Mentor”.

SMALL ANIMALS

STATE FAIR: None.

OBJECTIVE: The 4-H small animal educational program and related activities provide youth a fun and hands-on learning experiences directly related to animal care, feeding, housing, and management. Youth develop important life skills such as decision making, goal setting, record keeping, time management and communication.

DIVISIONS/LEVELS

Level 1	Grade 3 - 5
Level 2	Grade 6 - 8
Level 3	Grades 9 - 12

MANUALS: Level 1 *Pet Pals* (BU-06359); Level 2 *Scurrying Ahead* (BU-06360); Level 3 *Scaling the Heights* (BU-06361)

RECORD SHEETS: County Record Sheet by level

PROJECT REQUIREMENTS:

- Each year you should complete at least 3 activities in your project manual.
- **Turn in completed record sheet and manual at time of project check-in.**

RULES:

1. This project is intended for animals that do not fit into another 4-H project category (i.e. gerbils, guinea pigs, hamsters, hedgehogs, canaries, parakeets, ferrets, frogs, turtles, lizards, mice, etc.).
2. No endangered or protected species are allowed.
3. **Snakes are not allowed on the Howard County Fairgrounds. Therefore, if a member wishes to enter this project with a snake, the exhibit brought to the fair may only be photos of the animal.**
4. Animals must be brought to judging in a suitable cage or container and remain in the cage or container until time of judging. Member must be present at time of judging. Animals shall only be removed from the cage at the request of the judge(s).
5. Animals must have a source of water during the show.
6. Animals will not be allowed to sell in the auction.
7. The animal must be cared for daily by the member.
8. Member must furnish equipment which includes cage, feed, water, etc.
9. Animals must be of the non-poisonous variety.
10. Animals will be judged and sent home. Animals will not stay at the fair.

EXHIBIT:

1. Member may exhibit 1 of the following:
 - a. Female (any age)
 - b. Male (any age)
 - c. Pair of young animals
2. The animals will be judged on the following areas:
 - a. General health and appearance
 - b. Cleanliness and grooming
 - c. Handling (by the 4-H member)
 - d. Member's knowledge of the animal; and
 - e. Cage design and condition.
3. Members are to show their own animal as noted in the Howard County General Livestock Rules.

SMALL ENGINES

STATE FAIR ENTRY: One State Fair entry per level is eligible that is a poster or display board on a topic you studied from the manual. See “suggested” Fair Exhibit Guideline Small Engines” from the County Extension Office.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12



PROJECT MANUALS:

- **Completed project manual must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.

PROJECT EXHIBIT REQUIREMENTS:

1. Exhibit a poster with a topic from your grade level.
2. Poster or display board projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing and exhibit card attached.
3. Display Board Requirements:
 - No more than 36" x 36" and free standing.
 - 3-dimensional display
 - All items to be securely fastened
 - 4-H members exhibit card to be secured in lower right hand corner.
4. Actual Engine Display: The actual small engine may be displayed. It must be mounted on a stable base on larger than 30" x 30". For safety reasons, all fluids (fuel and oil) must be removed. Note: It is strongly suggested that a notebook with details and pictures of what was done to the engine accompany the display. **Engine display is NOT eligible for State Fair entry.**

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

Level 1 (Grades 3 – 5)

MANUAL: "Crank It Up" BU 8186

Exhibit: Educational Display related to what you have learned in this project. Some possibilities of exhibits might include:

- An educational display related to what you learned about four-stroke engines.
- Picture poster showing what you have learned about small engines.
- Display of basic tools needed to maintain a small engine
- An educational display related to what you have learned about two-cycle engines.
- An educational display showing proper maintenance and care of the lawn mower
- An educational display of proper safety labels and procedures for small engines.
- Small engines parts display board with a brief explanation of the purpose of the parts and how they work.
- Display related to some system that you learned about in small engines (filters, cooling, ignition, etc).

Level 2 (Grades 6-8)

MANUAL: "Warm It Up" BU 8187

Exhibit: Educational display related to what you have learned in this project. Some possibilities of exhibits might include:

- An educational display comparing the different types of engines.
- An educational poster illustrating and explaining the internal parts of an engine.
- An educational display showing how transmissions work
- An educational display showing how to conduct a compression check
- An educational display showing how to adjust a carburetor according to owner's manual instructions and in accordance with EPA regulations.
- A display using a real small engine with a brief explanation showing steps in preparing a small engine for storage
- An income and expense record of your lawn mowing business, including cost, hours worked, pay for individual jobs, etc.
- Carburetor parts display board with a brief explanation of the purpose of the parts and how they work together.

Level 3 (Grades 9-12)

MANUAL: "Tune It Up" BU 8189

Exhibit: Education display: Any educational display related to what you have learned in this project. Some possibilities of exhibits might include:

- An educational display showing how to use diagnostic tools on small engines.
- An educational display showing how to tear down and reassemble a small engine
- An educational display related to the electrical system of a small engine
- An educational display about emissions systems on small engines and future trends
- An educational display showing mower blade inspection and maintenance skills.
- An educational display about careers in small engines
- An educational display about your work in finding resources about small engines on the Internet
- An educational display about trouble-shooting common problems with small engines
- An educational display about small engines designs
- An educational display related to what you have learned in the project

SOIL & WATER SCIENCE

STATE FAIR: One State Fair entry per each level that fits requirements.

OBJECTIVE: This project emphasizes the reason for conservation practices and explores how soil and water are important to you and why we must take care of these valuable natural resources. In working together to keep our land livable, many people can see the problems of erosion, unclean water and pollution. In this project you may help bring this to the attention of others and help encourage them to take better care of our natural resources.



DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 -12
Independent Study	Grades 9 -12
Mentoring	Grades 9 -12

MANUALS: Manuals may be downloaded from links listed below;

Level 1 (Grades 3-5) 4-H-1027-W, Soil and Water Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1027-W#.VbDgrOJVhBd

Level 2 (Grades 6-8) 4-H-1028-W, Soil and Water Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1028-W#.VbDgc-JVhBd

Level 3 (Grades 9-12) 4-H-1029-W, Soil and Water Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1029-W#.VbDgguJVhBd

RECORD SHEET: (4-H 1027b-W) 4-H Soil and Water Science

PROJECT EXHIBIT REQUIREMENTS:

1. Create an exhibit that shows the public what you learned in the soil and water science project this year.
2. Poster exhibits must be displayed horizontally, sized 22" x 28" foam-core board or poster board mounted on a firm backing, and covered in clear plastic or other transparent material. Notebook exhibits must be displayed in a standard three ring binder.
3. Choose one of the options listed below, appropriate for your grade in school.
4. Use an appropriate exhibit title.
5. Be sure to include an Exhibit Card with your name, grade, 4-H club, and county in the lower right hand corner. The exhibit card will be mailed to you in June.

LEVEL 1 (Grade 3 – 5)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 1 manual.
2. A poster and/or notebook of a soil or water related science experiment appropriate for grades 3-5.

LEVEL 2 (Grade 6 - 8)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 2 manual.
2. A poster and/or notebook of a soil or water related science experiment appropriate for grades 6-8.

LEVEL 3 (Grades 9 - 12)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 3 manual.
2. A poster and/or notebook of a soil or water related science experiment appropriate for grades 9-12.

INDEPENDENT STUDY (Grade 9 – 12)

EXHIBIT: Learn all you can about a soil and/or water topic, program, facility, project, etc. and present it on a poster or in a notebook. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster or notebook, "Advanced Soil and Water Science - Independent Study."

MENTORING (Grade 9 – 12)

EXHIBIT: Exhibit a poster or notebook that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Soil and Water Science - Mentor."

SPORTFISHING

STATE FAIR: One entry per level will be selected for State Fair. Projects must meet requirements.

OBJECTIVE: Fishing can be a hobby and a source of study for your entire lifetime. The 4-H Sportfishing project will introduce you to fish, fishing and aquatic habitats.

DIVISIONS/LEVELS

<i>Level 1</i>	Grade 3 – 5	<i>Level 3</i>	Grade 9 – 12
<i>Level 2</i>	Grade 6 – 8	<i>Level: Independent Study</i>	Grade 9 – 12

MANUAL: 4-H BU-7598, Sportfishing 1; 4-H BU-7599. Sportfishing 2; 4-H BU-7600, Sportfishing 3

RECORD SHEET: 4-H-7589a-W (Levels 1, 2 and 3); 4-H-NR-AT (Independent Study Advanced Topic); 4-H-NR-M (Independent Study Mentoring)

PROJECT REQUIREMENTS:

- Complete project exhibit as listed below.
- Posters are to be displayed horizontally, 22" x 28", mounted on a firm backing and covered in clear plastic or other transparent material.
- **Use the topic selected as the title for your poster.**
- May have a creative sub-title if desired.
- Turn in manual, levels 1 to 3, and completed record sheet for all levels.
- An exhibit may either be a binder/notebook or poster.

LEVEL1 (Grades 3 – 5):

Exhibit a poster based on **one** of the following activities:

<u>Topic</u>	<u>Topic Information</u>
Let's Go Fishing!	Complete the Angling Self Assessment and practice landing a fish as described in Playing a Fish. Display your self assessment to show what you currently know about fishing and indicate what you hope to learn in this project. Draw or take photos of you "Playing a Fish."
Pop Can Casting	Display a photo of you casting your pop can rig and your casting record. Optional - display a photo of you casting a regular fishing rig and your casting record with that rig.
Hook, Line, and Sinker	Display at least two the rigs listed in Fishing Deeper, #1. You can use a drawing or a picture to show these rigs. Answer the questions (Casting Out, Working the Lure, Setting the Hook, and Landing the Fish) on your exhibit.
Fishy Baits	Complete and display cards similar to those shown (natural baits, prepared bait, and artificial flies and lures). Answer the Casting Out questions on your exhibit.
Which Fish is it?	Copy the pages in your manual and use the fish and the crossword puzzle. Identify the fish and make a display that shows the correct answers in the puzzle. (Optional - enlarge the crossword puzzle).

LEVEL 2 (Grades 6 – 8):Exhibit a poster based on **one** of the following activities:

<u>Topic</u>	<u>Topic Information</u>
A Different Spin	Display a picture of you while casting and a completed Casting Record and Spinning Reel Parts diagram. Also, answer the Working the Lure and Setting the Hook questions. (You may copy the ones in your manual or make your own.)
A Fine Kettle of Fish	Show a drawing or photograph of you cooking fish. Include your recipe and, if possible, pictures of you cleaning and/or cooking your fish.
Clean up the Litterbug	Complete and display the chart shown on page 16. Draw or take a photo of the fishing place that you cleaned up (before and after).
The Woolly Bugger	Take pictures or make drawings to show how a woolly bugger is made. Answer the Casting Out and Working the Lure questions.
A Fish by Design	Draw, take pictures, or find pictures on the Internet or in magazines to show (and identify) different mouth/feeding fish, body shapes, and fish with different coloration. Briefly explain (3-5 sentences or bullet points) why fish have different mouths, body shapes, and coloration.

LEVEL 3 (Grades 9 – 12):Exhibit a poster based on **one** of the following activities:

<u>Topic</u>	<u>Topic Information</u>
A Reel Mess	Draw, take photos, or copy the reels shown in Cleaning a Reel. Label the reels, the parts of each reel, and where you might use it. Show how you cleaned a reel using pictures or drawings.
Designing a Skillathon Station	Make two skillathon stations (you may use the suggestions on page 9 or another fishing topic of your choice). List the topic, realistic situation, task, and materials needed. Take photographs of younger 4-H members using your stations.
Beads, Dog Hair, and Feathers	Collect materials and tie a fly. You can display your fly or a picture of the fly. Also, list and draw or take pictures of the 7 materials in the matching game and indicate their potential use.
Collecting Aquatic Insects	Complete and display the chart on page 18 (you may copy the chart in your book or make your own). Draw or take pictures of your kick net and your sampling procedures. Answer the questions in Casting Out and Working the Lure.
Cast Into the Future	Complete the Career Investigation Record after talking with someone currently working in an area related to fish or fishing. Include a picture of the person you interviewed and answer the questions in Casting Out, Working the Lure, Setting the Hook, and Landing the Fish.
Keep a Field Journal	Reproduce or copy 3-5 Field Journal entries on your display. Include photographs that show where you had the fishing experience, if possible.
Playing <i>Know Your Fish</i>	Make a "flap" quiz to teach fish facts. Show a picture or ask a question about a fish. Give the answer(s) under the flap. Choose 5 - 10 fish using at least 5 fish from your manual. Be sure to list multiple species if the information you provide applies to more than one of the species you choose.

LEVEL: Independent Study (Grades 9 – 12):

Exhibit based on the information below.

<u>Topic</u>	<u>Topic Information</u>
Advanced Topic	Learn all you can about a sport fishing topic of your choice and present it on a poster. Include a short manuscript, pictures, graphs, and list the references you used to describe what you did and what you learned. Title your poster, "Advanced Sport Fishing - Independent Study"
Mentoring	Exhibit a poster that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Sport Fishing - Mentor."

SPORTS

STATE FAIR: None.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12



MANUAL: County Manual 4-H Sports (used for all years in project)

RECORD SHEET: 4-H Sports Record Sheet

EXHIBIT FOR ALL LEVELS:

1. You have the option of displaying your design on a poster or in a notebook.
 - a. NOTE: Poster projects must be 22" x 28", displayed horizontally, self-supporting and covered with clear plastic. The poster must have a stiff backing.
2. If you are in a level for more than one year, you should select a different topic about your sport or a different sport or person each year.
3. Include a list of sources for information used in your exhibit. For posters, this may be a notecard attached to the back of the poster. For notebooks, this may be a sheet at the end of the notebook.
4. A completed record sheet must accompany your project.



LEVEL 1 (Grades 3 – 5)

1. Exhibit a poster or notebook on one of the following topics using the topic as the title of your poster or notebook:
 - a. **“Safety Rules for _____”** (i.e. Tennis, Rugby, Swimming, Archery, Golf, etc.) Explain the safety needed for the game NOT the rules to play. Explain the precautions to be used in this sport.
 - b. **“Equipment for _____”**
 - c. **“Basic Skills to Develop for _____”**
 - d. **“Exercise Value of _____”** Fitness health required for an athlete for that sport.

2. Turn in a completed record sheet.

LEVEL 2 (Grades 6 – 8)

1. Exhibit a poster or notebook on one of the following topics:
 - a. The history of a sport.
 - b. The history of rule changes of a sport.
 - c. Research an important person who has influenced a sport. Tell how he/she has helped shape the sport to be what it is now.
 - d. Research how a particular sport was invented or the person who invented the sport.

2. Turn in a completed record sheet.

LEVEL 3 (Grades 9 – 12)

1. Exhibit a poster or notebook on one of the following topics:
 - a. The lifestyle an athlete should maintain to remain healthy and competitive. Examples include: eating a healthy diet, exercising or training, avoiding use of illegal or harmful substances, etc.
 - b. Research a present or past sports personality. Include a description of his/her career.
 - c. Research the major rule difference of a particular sport from an elementary level to a collegiate or professional level. For example, Little League vs. Professional Baseball.



2. Turn in a completed record sheet.

STRAWBERRY

STATE FAIR: None.

DIVISIONS/LEVELS:

<i>Division 1</i>	25 – 50 plants
<i>Division 2</i>	50 – 100 plants
<i>Division 3</i>	100 – 150 plants
<i>Advanced</i>	150 plants or more.



MANUAL: (4-H 38) The Strawberry Project

RECORD SHEET: Indiana Strawberry Project Record Sheet

JUDGING TIME: To be announced. Strawberry judging will take place at member's residence before the 4-H fair in early June of the current year.

PROJECT REQUIREMENTS:

Division 1:

Plants will be judged on care of patch and completed record sheet at time of judging.

Division 2:

Plants will be judged on care of patch and one Quart of fresh strawberries and completed record sheet at time of judging.

Division 3:

Plants will be judged on care of patch and two quarts of fresh strawberries and completed record sheet at time of judging.

Advanced:

Plants will be judged on care of patch and two quarts of frozen strawberries and completed record sheet at time of judging.

SWINE

STATE FAIR: Separate entries are required for participation. See State Fair Guidelines for more information.

OBJECTIVE: The educational 4-H swine program and related activities (such as workshops and tours) provide youth with a fun and hands-on learning experience which develops both swine subject skills (such as nutrition, housing, and health care) and life skills (such as responsibility, decision-making, nurturing, and communications) under the direction of caring adults.

MANUAL: 4-H 134-R Swine Resource Handbook (one per family)

RECORD SHEET: Grade specific.

NOTE: Visit <http://www.four-h.purdue.edu/livestock/index.html> for more information.

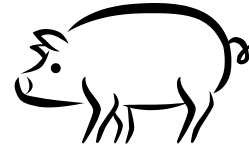
1. All pigs must be farrowed on December 15th of 2020 or later.
2. All 4-H members must be enrolled by State 4-H enrollment deadline. Barrows and gilts must be owned or owned in partnership and in the 4-H member's possession by May 15th. See Rule #3 under Livestock Exhibit Rules for further information on ownership and partnership requirements.
3. All 4-H swine members MUST entry each barrow and/or gilt with ear notch, tag number, RFID number, breed, date of birth and Premise ID number in 4-H online and in Fair Entry by MAY 15th. Also the Animal Location Form must be turned in to the Extension Office by May 15th!
4. Any given beef, dairy, horses, ponies, goats, sheep and swine MAY NOT be enrolled by more than one 4-H member, except for brothers and sisters and then only on separate forms.
5. **ALL 4-H swine members MUST BE YQCA certified by June 1.**
6. A 4-H member **MUST BE PRESENT** and show their own animal. (Refer to livestock rule #9).
7. All pigs must be identified with the "Standard Ear Notch System." See your 4-H manual on how to correctly read and understand the ear notch system. NOTE: All pigs will be identified at the county show with ear RFID tags. **4-H Swine members exhibiting at State Fair will need to have a 840-RFID tag and a DNA hair sample for each animal before the May 15 enrollment deadline.**
8. ***All swine must be clean before unloading at weigh-in.*** Any swine that arrives at the fair and is deemed too dirty (this is at the discretion of the Swine Superintendent and/or the Extension Educator) will be asked to wait until all other swine are unloaded and weighed in. These animals will then be required to be washed in the wash racks and will then be weighed and checked-in. Swine which arrive before the 10:00 AM deadline will still be counted as arriving on time, even if sent to the end of the line to be washed.
9. Every 4-H swine member will be required to complete a swine affidavit listing every pig brought to the county fair and if any of those pigs have received drugs and/or medication in the previous 30 days. Swine that have been under medication must comply with the medication withdrawal requirements stated on the label of the medication that has been administered to the animal.
10. No hogs will be allowed in wash racks until 1 hour after weigh-in is completed.
11. A 4-H member may show any combination of 3 pigs. Ex: 3 barrows; 3 gilts; 2 barrows, 1 gilt; 2 gilts, 1 barrow.
12. **All swine must weigh at least 200 pounds to be eligible to exhibit.** All animals will receive only a single pass through the scales. There will be no second weigh for over or underweight hogs. All hogs may remain in the barn

throughout the fair, but animals weighing 199 lbs. or less will **not be allowed to show during the hog show or sell in the auction. THIS RULE IS FOR BOTH PUREBRED AND CROSSBRED ANIMALS, BARROWS AND GILTS.**

13. Slick clipping or body shaving of 4-H barrows and gilts is prohibited. Animals' slick clipped or body shaved WILL **NOT** be allowed to exhibit or sell. A minimum of one half inch of hair in length on the body between the shoulder and tail is required by the packers that purchase and process these animals. **A check will be made upon the discretion of the Swine Superintendent and/or the Extension Educator.**

14. There are no boar classes.

15. Barrows will be shown by weight groups.



16. All Record Sheets are required for project completion and are due at the end of the check-in time for each individual project. If a Record Sheet is not turned in for a Livestock Project, the project will move to the bottom of the auction order for that species. Record Sheets will not affect eligibility for State Fair.

17. **In the event of conflict of general rules or any matter not covered by rules, the Swine Superintendent will govern in consultation with the Extension Educator.**

CLASSES:

1. **Single Barrows** will be shown as purebred and crossbred. They will be divided into weight classes of nearly equal numbers. Barrows weighing under 230 lbs. will show but not be eligible to compete for grand champion. All animals will receive only a single pass through the scales. There will be no second weigh for over or underweight hogs. All overweight barrows or gilts over 290 lbs. that sell in the 4-H auction will be sold for 290 pounds regardless of their actual weight. Registration papers must be presented at time of weigh-in. If you do not have your papers filed according to Rule #3 under Livestock Exhibit **at the time of weigh-in**, the animal will be put in the crossbred class.
 - a. **Purebred classes:** Duroc, Hampshire, Yorkshire, Landrace, Hereford, Spot, etc.; 1 champion and 1 reserve champion of each breed
 - b. **Crossbred classes:** 1 champion and 1 reserve champion selected from the 3 weight division winners (light, medium and heavy).
 - c. **Please Note:** The barrow show order will be: ALL underweight barrows (regardless of breed), purebred barrows, crossbred barrows, and conclude with ALL overweight barrows (regardless of breed).

The champion and reserve champion of each purebred class and crossbred class will be brought to the ring for the grand drive. All reserve champions will be announced first, and will remain in the holding pens until Grand and Reserve overall champions are selected.

2. **Breeding Gilts** – All gilts of one breed will be shown in the same class. All crossbred gilts will show together in the same class. Registration papers must be presented at time of weigh-in. If you do not have your papers filed according to Rule #3 under Livestock Exhibit **at the time of weigh-in**, the animal will be put in the crossbred class.
3. If there are more than ten (10) animals in any one class, the class will be divided into nearly equal sized classes. Each breed, plus crossbred, will have a champion and reserve champion; a grand champion and reserve grand champion gilt will be chosen. Purebreds will be shown by date of birth with no more than a 30 day age spread in a single class. The superintendent may use weight instead of age to make up the crossbred gilt classes.

Showmanship – For showmanship rules see the Showmanship Guidelines. This includes divisions.

Market Truck Swine – All Swine project members must have a representative at their pen, on Thursday at 8:00 AM.

Identification

All exhibition animals must be permanently and individually identified by an acceptable method. Official ear tags are tags approved by the USDA. Official ear tags must bear the US shield to be considered official identification. Official identification acceptable for specific species of livestock exhibited in Indiana are as follows:

- Official ear tag
- Ear notch, if the ear notch has been recorded in the book of record of a purebred registry association
- Tattoo, if the tattoo is registered with a swine registry association

1. SEE GENERAL REQUIREMENTS FOR ALL SPECIES.

2. Brucellosis testing:

- Swine from Indiana do not need a brucellosis test.
- Swine from outside the state do not need a brucellosis test, as long as the state of origin is classified brucellosis free by USDA. A certificate of veterinary inspection is still required.

3. Pseudorabies testing:

- Swine from Indiana do not need a pseudorabies test.
- Swine from outside the state do not need a pseudorabies test as long as the state of origin is classified pseudorabies free by USDA. A certificate of veterinary inspection is still required.

4. All swine that are to be sold at a breed sale should have a certificate of veterinary inspection issued within **30** days prior to the sale to facilitate interstate movement after the sale.

For more information on swine health requirements, call the Indiana State Board of Animal Health at (317) 554-2400 or visit BOAH's website at: www.in.gov/boah/2382.htm.

VETERINARY SCIENCE

STATE FAIR: One State Fair entry per each level that fits requirements.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 -12

MANUAL: Level 1 (Grades 3 – 5) BU-8048 From Airedales to Zebras; Level 2 (Grades 6 – 8) BU-8049 All Systems Go! Level 3 (Grades 9 – 12) BU-8050 On the Cutting Edge

PROJECT MANUALS:

- **Completed project manuals must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities.

PROJECT REQUIREMENTS:

1. Tour with or interview your Veterinarian about your veterinary science project.
2. Read and complete a minimum of three activities in your project manual each year.
3. Turn in your completed project manual **AND** record sheet with your exhibit.
4. **All divisions** – On the back side of your exhibit, securely attach a 3" x 5" card, listing your veterinarian's name and address.

Each Level (1, 2, 3) of the Veterinary Science project serves more than one grade. You should do a DIFFERENT activity and exhibit each year that you are in the project.

LEVEL 1 (Grades 3 – 5): Exhibit a 22" X 28" poster related to Chapter 1, 2, or 3.

LEVEL 2 (Grades 6 – 8): Exhibit a 22" X 28" poster, display, or quiz board related to chapter 1, 2, or 3.

LEVEL 3 (Grades 9 – 12): Exhibit one of the following:

1. Develop and assemble a teaching aid. Display teaching Aid and two-page typed report. If your teaching aid is a computer program, then it **MUST BE** displayed on a poster or in a notebook.
2. Develop a project in conjunction with a veterinarian. Display the project with a report of the results, recommendations, findings, and conclusions.
3. Write a one page outline of a workshop or demonstration you presented and display in a notebook/binder.

ARTS AND CRAFTS: WEARABLE ART

STATE FAIR: One State Fair entries are eligible from Wearable Art that fit requirements. This will be entered as a Craft entry,

OBJECTIVE: Exhibits include painted t-shirts, sweatshirts, jackets, tennis shoes, appliqué work, puff painted articles, sequined and rhinestone articles, and tie dye. All items exhibited for human wear only.

DIVISIONS/LEVELS:

Level A	Grades 3 – 4
Level B	Grades 5 – 6
Level C	Grades 7 - 9
Level D	Grades 10 – 12

MANUAL: County Manual (used all years in project)

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. Members may stay in a level as long as grade permits.
3. No jewelry will be allowed in this category.
4. A project cannot be added to from year to year.
5. All multiple piece exhibits are to have exhibit cards on all pieces.
6. **Photos must be provided for multi-piece exhibits.**
7. Knives, swords, etc. will be judged but not displayed for safety and liability.

NOTE: A member may also model their article(s) in the 4-H Fashion Revue judging for additional competition. This will be held during pre-fair judging week.

EXHIBIT:

1. Completed article or related articles.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

WEATHER AND CLIMATE

STATE FAIR: One State Fair Entry per division that fits requirements.

OBJECTIVE: Learn to observe and record weather data on wind, temperature and clouds. Complete all work and conduct experiments.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5	Independent Study	Grades 9 – 12
Level 2	Grades 6 – 8	Mentoring	Grades 9 - 12
Level 3	Grades 9 – 12		

MANUALS: Manuals may be downloaded from the links listed below;
Level 1 (grades 3-5) 4-H-1023-W 4-H Weather and Climate Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1023-W#.Va_4mOJVhBd

Level 2 (grades 6-8) 4-H-1024-W 4-H Weather and Climate Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1024-W#.Va_4fOJVhBd

Level 3 (grades 9-12) 4-H-1025-W 4-H Weather and Climate Science,
https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1025-W#.Va_4i-JVhBd

PROJECT EXHIBIT REQUIREMENTS:

- Create an exhibit that shows the public what you learned in the weather and climate project this year.
- Poster exhibits must be displayed horizontally, sized 22" x 28" foam-core board or poster board mounted on a firm backing, and covered in clear plastic or other transparent material. Notebook exhibits must be displayed in a standard three ring binder.
- Choose one of the options listed below, appropriate for your grade in school.
- Use an appropriate exhibit title.

PLEASE NOTE: Proper footnoting must be used with all reference material. Attach a 3" x 5" card to the backside of the poster listing the references.

LEVEL 1 (Grade 3 – 5)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 1 manual.
2. A poster and/or notebook of a weather or climate related science experiment appropriate for grades 3-5.

LEVEL 2 (Grade 6 - 8)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 2 manual.
2. A poster and/or notebook of a weather or climate related science experiment appropriate for grades 6-8.

LEVEL 3 (Grades 9 - 12)

EXHIBIT: One (1) of the following and turn in a completed record sheet:

1. A poster related to an activity from the Level 3 manual.
2. A poster and/or notebook of a weather or climate related science experiment appropriate for grades 9-12.

INDEPENDENT STUDY (Grade 9 – 12)

EXHIBIT Learn all you can about a weather and/or climate topic, program, facility, project, etc. and present it on a poster or in a notebook. Include a short manuscript, pictures, graphs, and list the works cited to describe what you



did and what you learned. Title your poster or notebook, "Advanced Weather and Climate Science - Independent Study."

MENTORING (Grade 9 – 12)

EXHIBIT: Exhibit a poster or notebook that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Weather and Climate Science - Mentor."

WILDLIFE

STATE FAIR: One State Fair Entry per each level of Wildlife that fits requirements.

EXHIBIT INTRODUCTION:

Create an exhibit that shows the public what you learned in the wildlife project this year. Poster Exhibits must be displayed horizontally, sized 22" x 28" foam-core board or poster board mounted on a firm backing, and covered in clear plastic or other transparent material. Notebook exhibits must be displayed in a standard three ring binder. Choose one of the options listed below, appropriate for your grade in school. Use an appropriate exhibit title. Be sure to include a label with your name, grade, 4-H club, and county in the lower right hand corner.

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which reference are listed.

DIVISIONS/LEVELS:

Level 1	Grades 3 – 5
Level 2	Grades 6 – 8
Level 3	Grades 9 – 12

PROJECT MANUALS:

- **Completed project manuals and record sheets must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.

LEVEL 1 (Grades 3 – 5): Wildlife Science Level 1, 4-H-1044, Record Sheet 4-H-1044a-W

EXHIBIT:

- A poster related to an activity from the Level 1 manual
- A poster and/or notebook of a wildlife related science experiment appropriate for grades 3-5
- **Turn in a completed record sheet**

LEVEL 2 (Grades 6 – 8): Wildlife Science Level 2, 4-H-1046-W (https://edustore.purdue.edu/item.asp?Item_Number=4-H-1046-W), Record Sheet 4-H-1044a-W

EXHIBIT:

- A poster related to an activity from the Level 2 manual
- A poster and/or notebook of a wildlife related science experiment appropriate for grades 6-8
- **Turn in a completed record sheet**

LEVEL 3 (Grades 9 – 12): Wildlife Science Level 3 4-H-1049-W (https://mdc.itap.purdue.edu/item.asp?Item_Number=4-H-1048-W), Record Sheet 4-H-1044a-W

EXHIBIT:

- A poster related to an activity from the Level 3 manual
- A poster and/or notebook of a wildlife related science experiment appropriate for grades 9-12
- **Independent Study** – Learn all you can about a wildlife topic, program, facility, project, etc. and present it on a poster or in a notebook. Take care to follow all state and federal guidelines when working with wildlife, with particular care when raising game birds, migratory birds, and endangered species. See the Indiana 4-H Wildlife project website, www.ydae.purdue.edu/natural_resources/4-H.NR.Projects/Projects/wildlife/ for more information. Include a short manuscript, pictures, graphs, and list the works cited to describe what you did and what you learned. Title your poster or notebook, "**Advanced Wildlife-Independent Study**"
- **Mentoring** -Exhibit a poster or notebook that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Wildlife -Mentor."

ARTS AND CRAFTS:WOODCRAFT

STATE FAIR: One State Fair entry is eligible from Woodcraft that fits requirements. This will be entered as a Craft entry.

OBJECTIVE: This project is designed to help member learn how to finish and decorate wood articles.

DIVISIONS/LEVELS:

<i>Level A</i>	Grades 3 – 4	<i>Level C</i>	Grades 7 – 9
<i>Level B</i>	Grades 5 – 6	<i>Level D</i>	Grades 10 – 12

MANUAL: None

RECORD SHEET: 4-H Craft Information Card (4-H 618A-W)

PROJECT REQUIREMENTS:

1. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**
2. Member may stay in a level as long as grade permits.
3. Photos must be provided for multi-piece exhibits.
4. Knives, swords, etc. will be judged but not displayed for safety and liability.

LEVEL A (Grades 3 – 4): Prepare and apply finish 2 (2) small articles of wood. Finish may be penetrating seal, paste wax, shellac, varnish, or paint.

EXHIBIT:

1. Two (2) of articles you have prepared and applied finish to as indicated above.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL B (Grades 5 – 6): Prepare and apply finish to at least two (2) small articles of wood. Use a finish listed in Level A.

EXHIBIT:

1. One (1) of articles you have prepared and applied finish to as indicated above.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL C (Grade 7 – 9): Smooth and finish at least two (2) articles with decoration applied in any manner.

EXHIBIT:

1. One (1) of articles you have prepared and applied finish to as indicated above.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

LEVEL D (Grade 10 – 12): Smooth and finish at least two (2) articles. Show progress over previous year’s work. Use any decorating technique and finish, such as tole painting, carving, etc.

EXHIBIT:

1. One (1) of articles you have prepared and applied finish to as indicated above.
2. **Attach the “4-H Craft Information Card” (4-H 618A-W) to exhibit for a description of the work completed on the project. This is available online (<http://www.four-h.purdue.edu/projects/>) or from the Extension Office. The project will be marked down one ribbon, if card is not attached.**

WOODWORKING

STATE FAIR: State Fair entries are one wooden item and one poster per level that fit requirements

PLEASE NOTE: All woodworking project exhibitors must build their own exhibits and not from precut kits!

DIVISIONS/LEVELS:

Level 1 Grades 3 – 4
Level 2 Grades 5 – 6

Level 3 Grades 7 – 9
Level 4 Grades 10 – 12

PROJECT MANUALS:

- **Completed project manuals and Woodworking Exhibit Skills Sheet must be turned in when you check-in your 4-H project.**
- Each year, members must complete at least three (3) activities. These will be recorded on the scorecard.

LEVEL 1 (Grades 3 – 4):

MANUAL: BU-6875 Measuring Up

Exhibit Requirements:

1. Turn in completed manual and a woodworking skills sheet 4-H 6875d-W.
2. Attach 3" X 5" index card to your exhibit describing your project and how it will be used in the future.
3. Select one of the following:
 - a. **Woodworking project:** Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking tools, Techniques and Skills Chare 4-H 6875C-W. Exhibits may also include higher level techniques that have been mastered. Any higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.
 - b. **Poster:** The poster may be on any topic covered in the Level 1 manual. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

LEVEL 2 (Grades 5 – 6):

MANUAL: 4-H BU-6876 Making the Cut

Exhibit Requirements:

1. Turn in completed manual and a woodworking skills sheet 4-H 6875d-W.
2. Attach 3" X 5" index card to your exhibit describing your project and how it will be used in the future.
3. Select one of the following:
 - a. **Woodworking project:** Exhibit one article made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking tools, Techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.
 - b. **Poster:** The poster may be on any topic covered in the Level 2 manual. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to

discredit an exhibit for the manner in which references are listed.

LEVEL 3 (Grades 7 – 9):

MANUAL: BU-6877 Nailing it Together

Exhibit Requirements:

1. Turn in completed manual and a woodworking skills sheet 4-H 6875d-W.
2. Attach 3" X 5" index card to your exhibit describing your project and how it will be used in the future.
3. Select one of the following:
 - a. Woodworking project: Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking tools, techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower and or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.
 - b. Poster: The poster or display board may be on any topic covered in the Level 3 manual. All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

LEVEL 4 (Grades 10 – 12):

MANUAL: 4-H BU-6878 Finishing Up

Exhibit Requirements:

1. Turn in completed manual and a woodworking skills sheet 4-H 6875d-W.
2. Attach 3" X 5" index card to your exhibit describing your project and how it will be used in the future.
3. Select one of the following:
 - a. Woodworking project: Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking tools, Techniques and Skills Chart, 4-H 6875C-W. Exhibits may also include lower level techniques that have been mastered. Any lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.
 - b. Poster: The poster or display board may be on any topic covered in the Level 4 manual. All poster, notebooks, and display boards must include a reference list indicating where information was obtained, given credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books. Magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of a notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.