

Washington County 2022 4-H Handbook



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It is the policy of the Purdue University Cooperative Extension Service that all persons have equal opportunity and access to its educational programs, services, activities, and facilities without regard to race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation, disability or status as a veteran. Purdue University is an Affirmative Action institution. This material may be available in alternative formats.

4-H Pledge

I Pledge:

**My HEAD to clearer thinking,
My HEART to greater loyalty,
My HANDS to larger service,
And My HEALTH to better living,
For my club, my community,
my country, and my world.**

4-H Emblem

**A green four leaf clover
with a white “H” on each leaf.
The four H’s stand for
Head, Heart, Hands, & Health.**

4-H Colors

Green & White

4-H Mission: The Indiana 4-H Youth Development mission is to provide real-life educational opportunities that develop young people who positively impact their community and world.

4-H Vision: Indiana 4-H Youth Development strives to be the premier, community-based program empowering young people to reach their full potential.

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SECTION 1

4-H GENERAL TERMS & CONDITIONS

The Washington County 4-H Council reserves the final and absolute right to interpret any and all terms and conditions, contained in any and all parts of the handbook and to arbitrarily settle and determine all matters, questions or differences in regard thereto, or otherwise arising out of, connected with, or incidental to the Washington County 4-H Program. They further reserve the right to resolve unforeseen matters not covered by general or project terms and conditions published in the handbook, to amend or add to these terms and conditions as in its judgment it may determine.

Fraud, deception, and prohibited activities, violations of general or departmental terms and conditions, or any activity determined to be improper or unethical by the Council shall not be allowed. Any exhibitor found in violation is subject to sanction and/or disqualification.

Tampering, Altering, and/or Misrepresentation relative to any exhibit is prohibited. This prohibited activity includes but is not limited to the breed, age, ownership, and/or method of preparation or completion.

The Indiana 4-H Program Philosophy and Expectations

The Indiana 4-H Youth Development program serves the youth of Indiana by providing a strong educational youth development program. This program delivers educational experiences in a variety of settings. Caring, capable and contributing adults assist in the 4-H program as role models for youth. The rich heritage of the 4-H Program is one to be valued and passed along to future generations. The Indiana 4-H Youth Policies and Procedures Handbook includes certain standards and guidelines to assure that 4-H is a positive youth development program. County 4-H policy is guided by the county 4-H policy making or governing board (i.e., 4-H Council) as provided by the County Extension Board. Legal authority for the 4-H Program rests with the Director of the Cooperative Extension Service at Purdue University. No county 4-H policy may conflict with state 4-H policy or with federal guidelines and requirements. Deadlines for county and state participation should be carefully constructed so as to encourage rather than to discourage participation. Such deadlines should be well published. Members not complying with established and published dates and deadlines for exhibition may be denied the opportunity to exhibit. It is the policy of 4-H to be an inclusive organization. No county policy or practice should be used to arbitrarily exclude youth from either membership or participation. Youth should participate in 4-H Youth Development opportunities at levels and times that best suit the youth's development.

4-H Club Membership

Youth may become 4-H members when they enter the third grade and may continue their membership through the completion of grade 12. Each individual may continue membership for a maximum of ten (10) consecutive years.

Exceptions:

- (1) Youth who enroll in grade three and are advanced academically (thus graduating early) may continue for a total of 10 years ONLY if the enrollment occurs in consecutive years.
- (2) Those youth who are academically advanced and "skip" 3rd grade, may begin the program as a 4th grader and may continue for a total of 10 years ONLY if the enrollment occurs in consecutive years.

(3) Those youth who enroll in grade three and are retained a grade in school may continue to progress through the 4-H Program by adding subsequent years of participation, but MAY NOT exceed 10 years of participation. For example, if a member is retained one year in school (public, private, or home), their final year of 4-H membership would conclude the summer following their junior year of high school.

(4) Those youth who entered the program in 3rd grade and for one reason or another leave formal education prior to the completion of 12th grade may continue for a total of 10 years ONLY if the enrollment occurs in consecutive years.

NOTE: 10 years of membership in the 4-H Youth Development Program is an opportunity --- not an entitlement. Those youth who do not enroll as 3rd grade students or meet the exceptions above, conclude their involvement with the program during the summer immediately following the completion of their senior year in high school.

An individual's 4-H grade is determined by the school grade in which he or she is classified at the time of year he or she enrolls in 4-H. A member does not advance in 4-H grade until he or she enrolls in 4-H for the subsequent year. Each member should enroll in the division of a project/subject that would best suit his/her interest and potential for personal growth and would enhance their family involvement.

Opportunities in the 4-H program are available to all Indiana youth as defined regardless of race, religion, color, sex, age, national origin or ancestry, marital status, parental status, sexual orientation or disability. Married young men and women of 4-H age may participate in any of the 4-H projects and activities. However, married persons must participate by the same terms and conditions and/or guidelines as unmarried participants. Membership in 4-H is gained by annually enrolling through a Purdue University Cooperative Extension Service Office located in each of Indiana's 92 counties.

The Indiana 4-H Youth Development program year is October 1 to September 30 annually. Enrollment is an annual process attained by completing individual 4-H enrollment via the 4HOnline enrollment process. Statewide 4HOnline enrollment occurs annually October 1 through January 15.

4-H Enrollment

The Washington County 4-H enrollment target date is **January 15th**. \$20.00 per regular 4-H member is due with the completed online enrollment. \$15.00 will go to the State 4-H Program and \$5.00 to the county program. \$5 per mini 4-H member is due with the completed online enrollment. \$5 will go to the county program. Contact the Extension Office concerning hardship cases.

An individual child's 4-H enrollment will be considered complete once the online enrollment has been completed and respective fees have been paid.

4-H members who do not have on file with the County Extension Office a release statement that has been signed by at least one parent or legal guardian will not be allowed to participate in 4-H projects, events, or activities. The signed release statement is part of the online enrollment.

A 4-H member may enroll in only one division or category of a project in a given year (crafts, photography, and livestock excluded).

Statements for 4-H Enrollment

There is an annual formal enrollment process for each young person who chooses to participate in the 4-H program. The following statements will appear on EVERY county’s online and paper 4-H enrollment forms. Statements should be printed in such a manner that a box for parent initials appears next to each statement, thus affording the opportunity for a single signature (see sample below). The photo consent statement is optional. [4-H members 18 and over are considered legal adults and sign parent/guardian statements.]

Liability Release Statement:

Initial here
*required

I understand that participating in 4-H activities can involve certain risks to my child. Those risks may include injury or harm, including, but not limited to, bodily injury, disability, exposure to COVID-19 and other viruses and or illnesses, and death. During virtual 4-H activities, I understand that program staff are not providing supervision for my child during the online program, and the Released Parties do not have control over the information available through the internet or other electronic data sources beyond that which is a part of the 4-H activity. On behalf of my child, I fully assume the inherent risks associated with my child participating in 4-H activities and assert that my child has chosen to participate in this program with my express approval. I hereby release and discharge Purdue University, The Trustees of Purdue University, the _____ County Commissioners, the _____ County Cooperative Extension Service, and each of their trustees, officers, appointees, agents, employees, and volunteers ("Released Parties") from all claims which my child or I might have for any injury or harm to my child arising out of my child's participation in any activity related to the 4-H program, even if such injury or harm is caused by the negligence or fault of any of the Released Parties. I do not, however, release these individuals and entities from liability for intentional, willful or wanton acts and this release shall not be construed to include such acts.

Parent/Legal Guardian Statement:

Initial here
*required

I (we) understand, agree to abide by, follow, and comply with the rules, policies and expectations of the 4-H program and will conduct myself (ourselves) in a courteous and respectful manner by exhibiting good sportsmanship and being a positive role model for youth. I (we) also understand that failing to do so will constitute grounds for sanctions against

Parent/Guardian Signature Required

Member Statement:

I agree to follow the rules, policies and expectations of the 4-H program and will conduct myself in a courteous and respectful manner by exhibiting good sportsmanship and good behavior. I understand that failing to do so will result in sanctions, discipline, and/or dismissal from the program.

I agree to follow the rules, policies and expectations of the 4-H program and will conduct myself in a courteous and respectful manner by exhibiting good sportsmanship and good behavior. I understand that failing to do so will result in sanctions, discipline, and/or dismissal from the program.

4-H member signature (required)

Photo Policy Statement

(optional on enrollment form) I (we) grant permission to the 4-H Youth Development program to use videos or photographs of my (our) child for educational purposes or promotion of 4-H and/or Purdue Extension programs.

I (we) grant permission to the 4-H Youth Development program to use videos or photographs of my (our) child for educational purposes or promotion of 4-H and/or Purdue Extension programs. _____ Parent/Guardian Signature (required)

Residence

Indiana youth typically enroll in 4-H Youth Development programs in the county or state in which they reside. However, individuals living in one county may join 4-H in another county. There may be educational or social reasons for an individual joining 4-H in a different county than that of their primary residence. During a single program year, a 4-H member enrolled in a given project is expected to enroll and exhibit that project only in one county of enrollment.

In the event that a project is not offered in the county of primary 4-H enrollment, a 4-H member may enroll in that specific project in a different county. Approval of this special exception rests with the 4-H Extension Educator. Participation in 4-H related activities and events (i.e., judging, auction) must be in the county of primary 4-H enrollment.

The above policy is not intended to provide an escape mechanism for 4-H members and families who are unwilling to follow the terms and/or conditions in their current county of 4-H membership. Decisions regarding 4-H membership in a non-resident county (a county you do not live in), rest with the 4-H Extension Educator in the receiving county.

Note: In a statement from our federal partner in Washington, D.C., the following statement appears: "Anytime there are procedures for exclusion of individuals from events which use the 4-H name, there are potential challenges to enforcement of the exclusions. The challenges have a substantial potential to prevail and they frequently result in negative publicity for the organization. Therefore, before choosing a policy of exclusion, it is wise to evaluate the exclusion being considered, to be sure there is an overwhelming educationally-based need for the exclusion".

Extension employees and volunteers are obligated to eliminate (and should not create) any practices that limit, deprive, or tend to deprive any youth of opportunities for membership and/or participation in the Indiana 4-H program.

Safety Policy for Mini 4-H Members

The safety and wellbeing of our 4-H youth is of the utmost importance. Although kindergarten is specified as the time when a child may begin participation in some 4-H events and activities, parents are encouraged to take into consideration their child's physical and mental development before agreeing to let the child begin to show, work with, or care for animals. Each child matures at a different rate, and children in grades K-2 may still be too young to begin showing, working with, or caring for animals.

The State 4-H Youth Program at Purdue University has agreed to allow Mini 4-H members in grades K-2, to participate in some animal projects subject to certain conditions. These conditions are specified below.

Each county may determine its own non-competitive programs, classes, and participation requirements subject to the following guidelines:

"Mini 4-H members, in grades K through 2, will be allowed to show, work with, or care for animal projects after their parent or legal guardian has signed an online liability release. Mini 4-H members may independently show, work with, or care for animals that weigh 300 pounds or less. Mini 4-H members may only show, work with, or care for animals over 300 pounds when they are assisted by a parent, legal guardian, or another adult designated in writing by parent or legal guardian." (*The word assisted means that the adult has control of the animal at all times.*) Mini 4-H members are not required to own the animals they participate with in Mini 4-H. All animals on exhibit should meet the regulations of the Indiana Board of Animal Health Requirements for Exhibition of Domestic Animals in Indiana and meet the vaccination requirements set by Indiana 4-H.

Mini 4-H members exhibiting horses must wear ASTM or SEI standard F1163 (or above) certified helmets whenever mounted. The parent/guardian is responsible to see that this specified headgear is properly fitted with the approved harness in place and fastened whenever a rider is mounted.

If the guidelines stated in this policy are not followed for a particular event or activity, then such event or activity shall not be considered to be a 4-H event or activity and shall not be under the auspices of Extension 4-H educators or covered by Purdue University.

Club Information

Clubs must be organized by October 1. A 4-H project member (Horse & Pony, Tractor, Goat, Dog Obedience, 4-H Shooting Sports, Fur & Feathers, Sheep) can belong to his/her respective project club without joining a general club in addition. If one wishes he/she could take other 4-H projects (electric, foods, etc.) in the project club or they may join a regular 4-H Club in addition. If a county Project Club (Dog Obedience, Horse & Pony, Tractor, Goat, Fur & Feathers, Sheep, 4-H Shooting Sports, etc.) is organized, 4-H members are encouraged to belong to that club.

Trips

The 4-H Council will assist financially 4-H teens that are selected to represent Washington County on a 4-H trip (Round-Up, State Junior Leader Conference, Academy, etc.). Youth may choose to participate in offered fundraisers to help defray the cost of the trip. The total amount of the trip must be paid for before registration will be sent to the state office.

Exhibition

Exhibition of 4-H projects in local, county or state exhibits/fairs, in person or virtually, is voluntary on the part of the exhibitor. The exhibition of 4-H projects provides 4-H members an opportunity to display their 4-H projects, enter into competition and participate in an educational/social environment with peers. With exhibition also comes the responsibility for abiding by all the terms and conditions pertaining to the respective 4-H project.

Completion

The completion of a 4-H experience may include a variety of options and must not be misinterpreted solely as exhibition of a project at a local, county, or state fair. There are a number of ways that a young person may participate in the 4-H Youth Development Program in addition to the club-based option. Participating in these 4-H opportunities enable the youth to build skills that will serve them well throughout their adult lives.

Some of these participation options do not include the preparation of a specific exhibit by an individual that would be on display at a fair or similar event. In some cases, the youths' actual participation may be the final product that results in their completion of a year of 4-H. Some examples of this participation include working as a team to develop a robot for a workshop or challenge; completing a Spark Club experience; participating in State 4-H Band or Chorus; taking part in a science training or experiment; participating in an after school 4-H experience; etc.

4-H members are considered complete in their 4-H educational experience for the year when they have (1) completed the 4-H member enrollment process prior to the established and published date for enrolling; and (2) had an officially recognized 4-H volunteer/Extension Educator verify the existence of the completed project/subject or the member's participation in a 4-H educational experience. Additionally, 4-H members who participate in a club- or fair-based 4-H project/subject will submit a completed 4-H record sheet based on printed or web-based educational materials (used by Indiana 4-H Youth Development) prior to the established and published date.

Though exhibiting in local, county, and state exhibits/fairs is not required for project completion, as it does not necessarily relate directly to content and skills learned in the development of the 4-H project, project exhibition is encouraged as a continuation of the educational experience.

Extension employees and volunteers are obligated to eliminate (and should not create) any practices that limit, deprive, or tend to deprive any youth of opportunities for membership and/or participation in the Indiana 4-H program.

Fair

Please refer to the fair schedule for the specific dates for entering 4-H projects for judging and picking up.

No exhibit will be released before designated time. Any 4-H exhibit removed from display prior to the official release will be disqualified. Any 4-H placings or prizes awarded that exhibit will be forfeited. All exhibits not picked up during project release time will be left in the Exhibit Hall. Regardless of value, the County Extension Office will not be responsible for exhibits. Any exhibitor leaving exhibits after release time will forfeit the right to any premium money.

Group placing will be used in all projects, excluding livestock.

All projects, excluding Mini projects, will be community judged. During community judging, the judge will ask 4-H members questions about their project, point out good aspects of their project, and make suggestions on how to improve their project for next year. Then the project will be awarded a 1st, 2nd, or 3rd place ribbon. Community judging is offered for the benefit of the 4-H member. If 4-H members cannot be present for judging, the judge will complete a scorecard for the 4-H member.

Action Demonstrations may be given for any project. These demonstrations will be given during the fair. Those interested in presenting an action demonstration need to contact the Extension Educator prior to the start of the fair to set up a time. This may be in addition to turning in an exhibit at the fair or in place of an exhibit.

4-H members may earn premium money for awards given at the fair. All 4-H Premium Vouchers must be cashed by October 15th.

Project Information

Projects that are divided by grade and will go by the specific grade guidelines listed for that project. ALL grades will be based on the student's grade as of the January 15 enrollment deadline.

All 4-H exhibits must be prepared during the current 4-H year. After a project has been exhibited one year at the county fair, it is ineligible to be exhibited again (livestock excluded).

All regular poster projects should be 22" x 28" and Mini should be 14" x 22" and displayed horizontally. They should have stiff backing and be covered with plastic (should be one piece – do NOT use cellophane wrap). Foam board posters are acceptable, provided they are 22"x28" for regular posters or 14" x 22" for mini. Posters not having these characteristics will be dropped one ribbon placing. Any color of poster board may be used. 22"x28" foam board and plastic sleeves are available for purchase at the Extension Office.

All exhibits must be properly labeled with an entry tag. Entry tags will be available at project check-in. Some state projects (posters, display boards, notebooks, shadow boxes, etc.) require special labels stating name, grade, 4-H club and county to be placed on the project as well. These are available at the Extension Office. (See example below.)

Name: _____
Club: _____
County: _____
Grade (just completed): _____
Level/Division: _____

All posters, notebooks, and display boards (made of material that is rigid and strong enough to stand on its own, often tri-fold) 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.

Record Sheets/Project Manual Activities

It is the responsibility of each individual club member to have their record sheets signed, at least once, by their club leader. There must be a record sheet in the green 4-H folder for each project the 4-H member is completing (where applicable). For those projects that do not have an individual record sheet that is specific to that project, a general record sheet should then be used. Green folders will then be turned in at project check-in at the fair.

Any 4-H member not turning in their 4-H Record Book with completed and signed record sheets will forfeit all premium money, ribbons, and awards.

4-H Action Demonstration Guidelines

An action demo is an opportunity to educate the public about his/her topic of interest within the 4-H curriculum. In an action demo, the young person may be stationed anywhere where the public is walking by. The job of the young person is to interest the public in their topic so that they (the public) will want to stop and hear what the young person has to say. The purpose is to involve the passerby. You want the passerby to talk with the young person, try to do what the young person is doing, judge something, and/or play a game.

Area of Interests - Youth involved in the 4-H program may present their action demo in any 4-H project or curriculum area that is offered. If you are planning on presenting an action demonstration to complete your project, please contact the Extension Office prior to the start of the fair to schedule a time to present your action demo.

Safety - Young people and adults need to consider the risk factor and safety issues when deciding what topic and how it will be shared with the public. For example in foods one must consider the ingredients and its spoilage rate or perishability during the hot summer days. It is recommended that food samples not be passed out due to the risk of bacteria and microorganisms making an individual ill. Utilization of power tools and live firearms are other areas that raise a red flag concerning safety. Safety conditions for the public are to be one's utmost concern when presenting and sharing with the public. Should safety of the public or 4-H member be of concern, the demonstrator will be asked to alter or cease the Action Demo.

Mini 4-H Non-Competitive Policy

Mini 4-H is a program designed to encourage positive development of children, Kindergarten through second grade. The goal of Mini 4-H is to help young children explore friendships outside the family; explore the way in which things work; practice both small and large muscle control; and think about the ways people work together on projects.

The NON-COMPETITIVE learning environment for Mini 4-H includes:

1. Planned learning activities in which children are invited to be active and explore materials and ideas without the pressure of completing a specific product or exhibit.
2. Low adult/leader to child ratio that allows time for adults/leaders to provide individual, positive encouragement and assistance.
3. Simple, interesting activities that are fun.
4. Encouragement of children to participate in a group activity by sharing and or displaying their activity projects.
5. Rewards that are identical and/or ribbons of the same color for everyone.

DO NOT JUDGE projects, but instead discuss them with the child.

NOTE: Purdue University and the Indiana 4-H Youth Development Program do not support, endorse, or encourage 4-H programming for children prior to Kindergarten. 4-H Youth Development Extension staff members and 4-H Volunteers may not offer, or encourage others to offer, programming for children prior to Kindergarten.

Behavioral Criteria for 4-H Events and Activities:

(Recommend distributing with health forms for trips/activities.)

To 4-H members, volunteers, parents and the public: When attending, participating or acting on behalf of the 4-H program, all persons are expected to conduct themselves in accordance with accepted standards of social behavior, to respect 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 persons may be subject to disciplinary consequences and/or dismissal from the program:**

- (a) Dishonesty in connection with any 4-H activity by cheating or knowingly furnishing false information.
- (b) Alteration or 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 or aiding or encouraging other persons not to comply with specific terms and conditions 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.
- (f) Inhumane treatment of 4-H animal projects.

There are many opportunities for 4-H members, volunteers, parents and the public to participate in 4-H events and activities. When involved in such experiences, members, volunteers, parents and the public are expected to follow all rules and regulations as outlined by those responsible for the specific program or activity. In all such 4-H activities, the following constitute a violation of behavioral expectations:

1. Possession or use of fire crackers, gun powder, firearms, chemicals or other materials that can be used to create an explosive mixture.
2. Misuse of fire equipment or sounding a false fire alarm.
3. Having a guest of a different gender in your sleeping quarters, or inappropriate sexual behavior.
4. Physical or verbal abuse of any person or conduct which threatens or endangers the health or safety of any person.
5. Theft of or malicious damage to property.
6. Possession, use, or distribution of alcohol, illegal drugs, tobacco and tobacco-like products, electronic smoking devices (including, but not limited to, e-cigs, vapes, juuls), or other dangerous substances.
7. Inappropriate displays of affection towards another person(s).
8. Distribution, misuse, or abuse of over-the-counter, homeopathic (including supplements and vitamins), or prescription medications.
9. Inappropriate clothing or lack of clothing during the event or activity.
10. Lewd, indecent, or obscene conduct or language.
11. Unauthorized entry, use or occupancy of any facility.
12. Any conduct which threatens or interferes with maintenance of appropriate order and discipline or invades the rights of others.
13. Unwillingness to follow appropriate health and safety procedures.
14. Reckless or inappropriate behavior.

When violations occur at out-of-county, district, area, state and/or national 4-H events, the following procedures will be followed.

- (a) The parents/legal guardians may be contacted to arrange transportation home for the violator(s) and
- (b) The local extension educator may be notified.

I verify that I am a 4-H member, I have read and will abide by the rules and behavioral expectations, set by the Indiana 4-H program or I will forfeit my right to stay. Both signatures are required.

4-H member signature _____ Date _____

Parent/legal guardian signature _____ Date _____
(Attach 4-H member's recent photo to back of this form)

LOSS OR DAMAGE

The Wash. Co. 4-H Council and Wash. Co. Fair Board do not assume any liability for loss or damage to any article or animal.

GRIEVANCE/APPEAL GUIDELINES FOR COUNTY 4-H PROGRAM ISSUES: (Activities, Programs, Projects)

The grievance procedures outlined in this document are utilized as part of an internal process of the Indiana 4-H Youth Development program when grievances of 4-H members, their parents/guardians, or 4-H volunteers cannot be resolved via reasonable conversation. This policy affords the opportunity in those unique situations to allow voice or opinion to be heard when there is a dispute regarding 4-H participation, activities or programs. **This is not a mechanism for complaints against individual 4-H members (or their families), 4-H volunteers, judging officials for competitive events, or Purdue Extension staff.** All resulting decisions will be made in accordance with the Indiana 4-H Program's stated mission to be an inclusive organization designed to encourage and maximize youth participation. The rights of the individual filing the grievance are limited to those provided by Indiana 4-H Program policy.

Purdue University, as the Land Grant University in Indiana, is charged (by the United States Department of Agriculture) with implementing the 4-H Program in communities across the State of Indiana. Purdue Extension Educators in each Indiana county represent the university in local communities and have the responsibility of assuring all 4-H volunteers meet basic university criteria as they serve as representatives of the university. Purdue Extension Educators additionally provide oversight to 4-H volunteers including the assurance that Indiana 4-H Policies and Procedures are appropriately implemented in 4-H Program delivery.

Individual county 4-H policies and procedures should be created and reviewed to assure they do not contradict established statewide 4-H policies and procedures. If a contradiction is discovered during the grievance process, Indiana 4-H Program policy shall be followed in determining the grievance outcome.

1. Grievances are made by completing the Indiana 4-H Grievance/Appeal form with the burden of proof being the responsibility of the individual filing the grievance. The completed grievance/appeal form and supporting documentation shall be presented to the president of the 4-H policy-making body (e.g., 4-H Council) or the Purdue Extension Educator who works with the 4-H Program. (NOTE: concerns regarding staff, volunteers, members, or other individuals are not issues for which a grievance may be filed. 4-H volunteers are assigned by the 4-H Extension Educator. Concerns regarding 4-H volunteers, members, or other individuals should be addressed directly with the Purdue 4-H Extension Educator.)
2. Grievances pertaining to 4-H activities, programs or projects shall be filed within 14 days of an incident or occurrence. Grievances pertaining to county fair related issues are often time-sensitive and must be filed within 24 hours of the incident.
3. The grievance process occurs in the county where the issue or concern arises and offers three opportunities for a concern to be heard and reviewed.

A. The grievance is initially heard by an unbiased, representative grievance sub-committee of approved 4-H Volunteers. It is the Purdue Extension Educator assigned to 4-H Programming who shall annually work with the chair of the county 4-H Council to

determine this committee's membership to include a combination of 3-6 of the following individuals: one representative of the 4-H Council; two 4-H volunteers serving as a 4-H club organizational leader; one member of the County Extension Board; one 4-H volunteer

knowledgeable in the subject matter (project) of concern (this individual will vary dependent on the issue raised with the grievance); and up to three community leaders. The Purdue Extension Educator assigned to 4-H shall convene the group.

B. The person filing the grievance may appeal the decision of the grievance sub-committee to the 4-H policy-making body, which will then review the facts in evidence and render a decision.

C. The person filing a grievance may appeal a decision of the 4-H policy-making body to the County Extension Board. The Extension Board will review the facts in evidence and render a decision. This is the **final level** in the appeal process.

****While there is no doubt some overlap in who serves on these committees, the intent of a three level process is to assure different individuals have the opportunity to hear and act on the grievance. ALL individuals involved at any level of the grievance procedure are reminded of the importance of keeping discussions regarding grievances confidential.**

To maintain the confidentiality of the parties involved, the grievance hearings at each level will be closed to the public. Only the individuals who have filed the grievance, the members of the grievance committee, and the Purdue Extension Educators will be present during each level of the grievance process, *****The grievance process is internal to the Indiana 4-H Youth Development Program and meetings of the grievance committees are not subject to Indiana's Open Door Policy.**

The Purdue Extension Educator assigned to work with the 4-H Program has the obligation to inform all parties that there is a grievance procedure if there are disagreements with policies.

The practice of charging fees from those filing grievances shall be eliminated and all counties will utilize the Indiana 4-H Grievance/Appeal Form as part of the grievance process.

Indiana 4-H Grievance/Appeal Form

WARNING: You must read and initial this section before proceeding to complete this document.

___1. I understand and agree that filing a grievance that alleges

A. facts that are not true, or

B. facts that I know are not true, or

C. facts I should know are not true: will be considered a violation of the 4-H behavioral expectations.

___2. I understand and agree that all statements made herein by me are subject to the pains and penalties of perjury and I hereby affirm that my statements herein are true.

___3. I understand that perjury is a crime in Indiana.

I, the undersigned, allege that the following term(s) and condition(s) have been violated:

The facts which support this allegation are set out as follows:
(If needed, additional sheets may be attached.)

I swear or affirm under the penalties of perjury ⁽¹⁾⁽²⁾ that I have read, understand, and accept the above statements to be true, accurate, and complete.

Signed: _____ Date: _____ Time submitted: _____

Print your name: _____

Address: _____

Phone: _____

Oath ⁽³⁾

Before me, _____ A Notary Public in and for _____ County, State of Indiana, personally appeared _____ and he/she being first duly sworn by me upon his/her oath, says that the facts alleged in the foregoing instrument are true.

(signed) _____ My commission expires: _____

(SEAL)

1. Perjury –making a false, material statement under oath or affirmation, knowing the statement to be false or not believing it to be true. In Indiana, a person who commits perjury commits a Level 6 felony, (4) which may be punishable by imprisonment, fine, or restitution (Indiana Code 35-44.1-2-1 and 35-50-2-1) 2. Prosecution for violations of Indiana law will be referred to the proper authorities. 3. Oath – An affirmation of truth of a statement before an authorized person. 4. Felony – A crime of graver or more serious nature than those designated as misdemeanors.

Section 2

4-H LIVESTOCK GENERAL TERMS & CONDITIONS

Terms & conditions pertaining to specific livestock projects (Beef, Dairy Beef, Goats, etc.) are following these 4-H Livestock General Terms & Conditions. Situations not covered by the mentioned rules will be at the discretion of the Superintendents and their committees.

Enrollment

Livestock members will be required to complete the proper livestock online enrollment (includes beef, dairy, dairy beef, goat, swine, sheep, horse & pony) prior to the enrollment deadlines. Enrollment deadline will be May 15 for all animals. Any one animal may not be enrolled by more than one 4-H member, except for brothers and sisters. Failure to comply to any rules listed will result in 4-H member not being permitted to show and/or sell their animal.

All animals must be kept in Washington County unless prior arrangements have been approved by the Wash. Co. 4-H Council.

Animal Ownership

Each 4-H member shall own his/her 4-H exhibit. Ownership, personal possession, and regular care of the animal must be in effect on or before the county and state enrollment deadlines and continuously until after the 4-H show at the county and/or State Fair.

- For 4-H breeding animals: family corporations and/or partnerships of 4-H members with one or more parents, siblings, grandparents, aunts, uncles, or a legal guardian are acceptable.
- For 4-H dairy cattle: family corporations and/or partnerships of the 4-H member with unrelated persons or dairy operations are also acceptable.
- Dairy heifers, horses, ponies may be leased subject to the approval of both the county 4-H dairy or horse and pony committee and the respective County Extension Educator. 4-H animals (horse and pony, dairy) are only eligible to be leased by a single 4-H member in a 4-H program year.
- 4-H animals are expected to be in the possession and regular care of the 4-H member who owns/leases them (unless other arrangements have been agreed upon by the County 4-H Extension Educator) from the animal ID deadline until the conclusion of the county and/or state fair.
- 4-H animals purchased, sold or offered for sale after the ID deadline and prior to the Indiana State Fair (including animals that have gone through a "Premium Only Auction"), shall not be eligible to show in the 4-H show at the Indiana State Fair. Sale of products of animals (milk, cheese, wool, etc.) in lieu of the animal, are considered equivalent to a "Premium Only Auction."
- 4-H animals exhibited after the May 15 State 4-H animal ID deadline at any show by anyone other than the individual whose 4-H enrollment record is connected to the ID of the animal in Indiana 4-H Online will not be eligible to be shown in the 4-H show at the Indiana State Fair. This term/condition does not apply to siblings and parents, who may show each other's animals at any show during the year without jeopardizing State Fair eligibility. 4-H animals that are selected by 4-H Extension Staff or 4-H Adult Volunteers for use in supreme showmanship contests (Master Showmanship, Round Robin, etc.) may be used in those county events without jeopardizing State Fair eligibility. This policy applies to all 4-H animal projects. For animal projects without state ID deadlines, the

person who enters them in the Indiana State Fair 4-H show is the equivalent of the owner of the animals.

- Temporary guardianships established for the intent of animal exhibition or grooming purposes are not permitted and shall result in immediate disqualification.

4-H breeding beef, meat goats, dairy goats, swine & sheep must be registered in one of the following ownership methods: (1) in the 4-H member's name, (2) John Smith & Sons, (3) John Smith, Sons & Daughters, (4) John Smith & Family (family includes sons, daughters & legal guardian youth only), (5) Mark Smith (brother) and Mary Smith (sister), (6) Family Corporations, where the 4-H members' name appears as a holder of stock in the corporation, and proof by same must be supplied on or before the enrollment date, (7) Family partnerships where the 4-H member's father, mother, brother, sister, aunt, uncle, grandparent and/or legal guardian is also in the family partnership and 4-H member's name appears on the legal, notarized partnership.

4-H breeding beef, meat goats, dairy goats, sheep, and swine will not be accepted if they are registered in a father's name only, farm name only, or partnerships with unrelated persons (such as "Smith View," "Smith Oak," John Doe & William Smith (4-H Member)," "Long Oak & William Smith (4-H member)", etc.

Registration papers will be checked by Superintendents at weigh-in time.

For 4-H dairy cattle, partnerships of the 4-H member with unrelated persons or dairy operations are acceptable (i.e. John Doe and William Smith (4-H member) or Long Oak and William Smith). Dairy cows and heifers, owned in a partnership, may not be exhibited by more than one person from May 1st until the conclusion of the State Fair 4-H Dairy Show. This person must be the exhibitor of the animal in the current State Fair 4-H Dairy Show or the animal will be ineligible for this show. 4-H dairy cattle will not be accepted in 4-H classes at the State Fair if they are registered in the father's name only or in a farm name, such as "SmithView", "Smith Oak," etc., unless the 4-H member has a lease agreement for this animal. The State Fair 4-H dairy show is for registered animals only (no commercial dairy cattle).

The Dairy lease program is only for 4-H members who do not own their own dairy cows and/or heifers. Only dairy heifers that will be less than two years-of-age at the time of the Indiana State Fair 4-H dairy show, may be leased. 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 from May 1st until the 4-H dairy show at the Indiana State Fair. Leased 4-H dairy heifers must be registered (although it is not necessary to have the registration paper transferred to the 4-H member's name) by May 1st and their registration number listed on the 4-H member's dairy enrollment form.

Youth for the Quality Care of Animals

All 4-H Livestock Members are required to complete the Youth for the Quality Care of Animals (YQCA) training for all 4-H livestock projects (beef cattle, dairy cattle, swine, sheep, meat goats, dairy goats, poultry and rabbits) in order to exhibit an animal at the county 4-H show. Workshops (in-person trainings) may be offered at \$3 to complete this requirement. Youth may also complete the training online (<http://yqca.org/>) at a cost of \$12. It is strongly recommended that a parent or guardian accompany the child in YQCA classes. However, the parent or guardian cannot become certified at a YQCA education class.

Health

All animals intended for exhibition or show must show no symptoms of disease that may be infectious or contagious.

Substitute Showman

A 4-H member is expected to show or sell his/her own animal. Exceptions will only be made in extreme unforeseen circumstances such as death, illness, injury of the 4-H member, or conflicts of showing other animals at the same time. Substitute showman requests must be presented to the 4-H Council by their meeting prior to the fair. Only regular enrolled 4-H members (**NOT** mini members) who have completed YQCA will be eligible to be a substitute showman.

Fair

Poster Opportunity

If a member is unable to exhibit an animal(s), a poster covering a topic in the project manual will be another option for project completion. Therefore, those 4-H members who are interested in livestock (any of the species) can complete the project even though they may or may not have an animal to exhibit at the Fair. See the "Animal Education" project on page 58 for guidelines.

Pen Reservations

Upon making pen reservations for livestock (including rabbits, poultry, and pigeons) at the Extension Office before the Fair, a deposit fee of \$100/family will be assessed. Following clean-up at the fair, the deposit fee will be returned to each 4-H family if satisfactory pen cleanup is met. For those 4-H members who fail to turn in the pen reservation form and fees on the date of the deadline, a \$5 per person non-refundable late fee will be assessed. No forms will be accepted 5 days after the deadline – 4-H members will not be able to exhibit if the pen reservation form and fees are not turned in within the 5 day grace period. All livestock pen and cage assignments will be posted by 2 days prior to animals arriving at the fair. Livestock Superintendents reserve the right to adjust pens as necessary during fair.

Class Designations

Final breed class designation must be made by June 1st. All female animals must be designated either breeding or market by June 1st. It is the responsibility of the 4-H member to enter all animals into the Fair Entry website by June 1.

Entry

All 4-H livestock (beef, dairy, dairy beef, sheep, pigeons, poultry, rabbits, goats, and swine) must be checked in by livestock check-in times and remain on the grounds until the designated departure time as stated in the current fair book.

Animal Care

All animals enrolled in 4-H must be fed, watered, and cared for from the time of arrival until they leave the fairgrounds. All hog pens are recommended to have an automatic water system in place. Animals must receive humane treatment throughout the fair. Failure to comply with these general guidelines which help to ensure the ethical treatment and proper representation of show animals will result in one warning from the livestock superintendent. If proper action is not taken in respect to the care of the animals, the animal(s) will be dismissed from the fairgrounds.

Record Sheets

All 4-H livestock members must complete their livestock record sheets, have them signed by their club leader and turn them in during project or livestock check-in.

Herdsman Award

Each year a Herdsman Award is presented to 4-H members exhibiting the following species: beef, dairy, dairy beef, goats, poultry, rabbits, sheep, and swine. These awards are based on cleanliness, sportsmanship, conduct of the 4-H member, care of animals, and the attractiveness of the pens and barns. The awards will be presented at the Extension Annual Meeting/4-H Banquet.

Registration Papers

4-H members are to bring registration papers for any registered animal to fair check-in. The papers will be checked by the superintendent at weigh-in time.

Showing Attire

Commercial advertisement – names or insignia, farm names and family names on 4-H exhibitors or exhibits, while showing or for auction pictures is prohibited. No midriffs or hats. The following pieces of clothing are not allowed: Spaghetti Straps, low-cut shirts, shorts, and open-toed shoes.

Fitting & Grooming of Animals

Unethical fitting of animal exhibits is defined as the administration of any substance (to include, but not limited to blood, oils, steroids, air) or performance of any surgical or nonsurgical procedure altering the animal's configuration or natural conformation of any part of the animal's body, or rendering its tissues unfit for human consumption, and is prohibited. Exceptions that are allowed include hoof trimming, dehorning, removal of hair, manipulation of normally attached hair, castration, branding, tattooing, ear notching, docking of tails on sheep and swine, and coloring that does not alter or misrepresent breed characteristics. The drenching of animals will not be permitted unless directed by a veterinarian for the health of the animal. The direct application of ice, ice water, alcohol, Freon or any other refrigerant, to the hide of an animal will not be tolerated.

If 4-H members or their families choose to use generators during the fair, they are to be used outside of the buildings.

Trailer Parking

Trailer parking during the fair will be available in a spot designated by the fair board. No trailer parking will be permitted on top of the hill.

Showmanship

4-H members are encouraged to sign-up for showmanship. All 4-H Livestock Showmanship will be divided into Rookie, Junior, Senior, and Previous Winners classes. The Rookie Showmanship Class is for all 1st year livestock members of that specie who were in 3rd grade as of January 15th of this year. The Junior Class will include 4-H members in grades 4-7 and Senior Class includes 4-H members in grades 8-12. Junior showmen winning the Junior Class will automatically move to the Senior Class the current year and each year thereafter, regardless of grade. Junior showmen winners may compete in Previous Winners Class only if they have won both the Junior and Senior Showmanship Classes. Winner of the Senior Showmanship class will automatically advance to the Previous Winners Class the current year. Youth participating in showmanship are to show their own animal.

Supreme Showmanship

The Winner of the Previous Winner Class (or Senior winner if there is no Previous Winner) in each specie (Beef, Dairy, Dairy Beef, Meat Goats, Dairy Goats, Sheep, Swine) will compete in

the Supreme Showman Contest. All animals will be provided by the specie superintendent. Animal/youth pairings should be determined by random drawing. A 4-H member's animal(s) or their sibling(s) animal(s) is not to be selected for the supreme showmanship contest. If a 4-H member wins more than one showmanship, he/she will represent the specie they won first. An alternate in the other species will be asked to participate. If there are not enough animals of one specie for all participants to show at the same time, youth will be broken down into groups. The random order of species will be posted by noon on Supreme Showman day. Previous Winner showman will wear t-shirts provided. Participants will also be given numbers to wear on their backs. Showmen are to obtain their own equipment for the event.

Carcass Contest

There will be a carcass contest held during the week of the fair. Date and time will be announced prior to the fair. All livestock members are encouraged to participate in this contest. The fee is \$10 per animal. Plaques/cash will be awarded during 4-H Night or at the auction.

Overnight Stay

There will be no overnight stay for any 4-H member.

Auction

Information pertaining to the 4-H Livestock Auction will be sent out in a letter to all Livestock members. Each 4-H member may sell no more than one beef/dairy beef, sheep, goat, swine, poultry pen, or rabbit pen. The exception to selling one animal will be for ten year livestock members. These 4-H members will be allowed to sell two animals. The order of the sale will rotate each year with the specie that sold first selling last the following year. Only top value market animals will be sold through the auction. Discretion of sellable animals will be made by the auction committee.

4-H members showing livestock are required to contact prospective buyers for the auction. Each 4-H member will be assigned businesses or individuals to visit. ***4-H members MUST turn in their auction invites by June 1 in order to give businesses adequate notice and in order for the 4-H member to be able to sell in the auction.*** LIVESTOCK AUCTION AND INSURANCE FEES MUST BE PAID BY JUNE 1st. 4-H MEMBERS WILL PAY THESE FEES AND DESIGNATE WHICH ANIMAL THEY INTEND TO SELL IN THE AUCTION AT THIS TIME. IF A 4-H MEMBER DOES NOT MEET THE DEADLINE TO SIGN UP AN AUCTION ANIMAL, THEY ARE NOT ALLOWED TO SELL IN THE AUCTION. 4-H MEMBERS WILL HAVE UNTIL 9 pm THURSDAY OF THE FAIR (or the end of the Beef Show for Beef Members) TO MAKE CHANGES CONCERNING LIVESTOCK AUCTION and/or MARKET ANIMALS. NO CHANGES WILL BE MADE AFTER THAT TIME.

Livestock auction fees will be \$10 per head/pen.

Each 4-H member must have a picture with his/her animal(s) that will be selling in the 4-H Auction. This picture will be given to the buyer of that animal during the auction. 4-H members must wear clean, show type clothes with no advertising, logos, midribs showing, or hats. Only top animals that have their photos taken with the buyers will go into the ring during the sale. All other members will sell by picture only.

All meat goats going through the auction must have their milk teeth in place. The grand champion poultry meat pen and champion rabbit meat pen may also sell in the auction. Beef cattle must weigh at least 900 pounds and hogs are suggested to weigh at least 200 pounds at

the designated weighing time to sell in the auction. However, minimal weight to sell in the auction will be dependent on the market buyer.

4-H members sending animals on to market or through the auction will be required to sign a country of origin form (one time).

4-H members will be required to write a thank-you card for their auction buyer(s) and turn it in to the Extension office in order to receive payment. Auction checks will be ready, no sooner than, 30 days following the auction.

Release

All 4-H members showing livestock (including rabbits, pigeons, & poultry) must clean their pens to the satisfaction of their respective superintendents by putting debris at the designated waste bins daily. Final pen cleanup for all livestock (including rabbits, pigeons, & poultry) must be made by the designated time. All 4-H members are required to help with total barn cleanup, not just their individual pens. **There will be no cleanup allowed during the Livestock Auction or during animal loading after the auction.** Once Livestock Superintendents have signed off that barns are clean, return the cleanup card to the designated area. Your deposit will be returned at that time (2:00-5:00 pm). 4-H members who do not follow this rule will forfeit their pen reservation fee(s) and all 4-H livestock premium money. No animals shall leave early except by order of veterinarian and permission of Superintendent.

State Fair

4-H members interested in showing at the State Fair should visit the state fair website at www.indianastatefair.com to enter online. E-signatures are required to make valid State Fair entry. State fair entries for beef, sheep and swine are due June 1st. Entries for dairy cattle, Boer goats, dairy goats, meat goats, dogs, cats, pigeons, poultry, pygmy goats, rabbits, waterfowl and horse & pony are due July 1st.

After the county fair auction is completed the Extension Educator will mark off animals sold at the auction on the online enrollment form. Animal Affidavits must be obtained from the Extension Office and completed prior to arriving at the fairgrounds for all 4-H beef steers, dairy market steers, market lambs, meat goat wethers, gilts and barrows shown at the Indiana State Fair.

Section 3

ANIMAL PROJECTS

BEEF

Enrollment

All beef cattle must have an 840-RFID tag. All market steers and crossbred heifers need to be tagged with an 840-RFID tag and a 5-digit county tag. Registered heifers must be identified on the enrollment form with an 840-RFID tag and a tattoo.

All steers and commercial heifers must be enrolled by May 15. To enroll, 4-H members must complete the online enrollment by May 15 and bring their animals to the Beef ID Day in March. During the Beef ID Day animals will be identified by RFID tags and county ear tags and weighed.

Cow/Calf is a Washington County class only. These animals do not need to be brought to ID day, but should be identified online.

Non-registered heifers must be shown in the crossbred class or as a market animal. The registered breed champions and the crossbred champion compete for the Overall Supreme Heifer. There will be a separate champion class for the cow/calf.

All registered heifers must be enrolled online by May 15. All purebred heifers must be registered in 4-H member's name (or acceptable ownership) to show in registered breeding classes. Registration papers will be checked by Superintendents at weigh-in time. All animals will be weighed.

An animal may be co-enrolled by siblings but only need to be listed in 4-H Online once.

Exhibit

All steers must be dehorned to exhibit at the county fair. Dehorning of 4-H breeding animals of horned breeds is recommended for safety.

Show Classes

No more than two animals may be entered and shown in the same heifer age group. Age groups are:

- a. January 1 to Current (Spring of Current Year)
- d. July 1 to December 31 of previous year (Fall of Previous Year)
- e. January 1 to June 30 of previous year (Spring of Previous Year)
- f. July 1 to December 31 two years ago (Fall Two Years Ago)

Steers and heifers will show by breeds. Crossbred Heifer Classes will be divided by weight rather than age. A market heifer class refers to heifers that are to be sent on to market for slaughter. Market heifers are not eligible to show as breeding heifers. Market heifers may be any breed and weight. Classes will be divided by weights. Steer classes will be divided by breed (including crossbred and other breeds) and according to weight.

Rate-of-Gain

Market animals will compete in a rate-of-gain contest.

Cow/Calf Class

A cow/calf class will be offered for 4-H members and a champion cow/calf pair will be selected.

Feeder Calf

There will be a feeder calf class during the Washington County 4-H Beef show. The following are guidelines for this class:

- Calves will be shown by weight (classes will be split up as necessary by superintendents)
- Calves must be 700 lbs or less
- Heifers and steers will show together
- Calves can be, but don't have to be, weaned
- Calves from cow/calf class can also be shown in the feeder calf class
- Identification
 - Required ID – 840-RFID Tag AND County Tag
 - If born before Beef ID day, calves should come to be weighed and tagged
 - If born after Beef ID day, tags can be picked up in the office to tag at home
 - Calves MUST be identified in 4-H Online by May 15th

Washington County Born & Raised Beef Show

This is a separate show for steers, heifers, feeder calves and cow/calf pairs that were born and raised in Washington County. Washington County Born and Raised means the calf was born and raised in Washington County or in an adjoining pasture in an adjacent county. The County Born & Raised Steer & Heifer Show will be a no fit show. No fit is defined as brush and blow dry only (no use of any products). Steer and Heifer classes will be divided by weights with all breeds showing together. The Washington County beef producer who bred and raised the steer or heifer must sign the Washington County Born & Raised Enrollment Form. This form must be completed and turned in by Beef I.D. Day in March for steers and non-registered heifers and by May 1 for registered heifers. Steers and heifers may also show in regular 4-H classes. Members may have more than one steer or heifer in this show. Please note that for the cow/calf class, both the cow and calf must be born and raised in Washington County.

DAIRY

Enrollment

All dairy cattle must have an 840-RFID tag. All 4-H Dairy animals must be enrolled by completing the online 4-H Dairy Enrollment Form by May 15th. A dairy cow or heifer may be co-enrolled by siblings, as long as the animal(s) is/are listed on each 4-H member's dairy cattle 4Honline enrollment.

Lease

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. Only dairy heifers that will be less than two years-of-age at the time of the Indiana State Fair 4-H dairy show may be leased. 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 from May 15th until the 4-H dairy heifers show at the Indiana State Fair. Leased 4-H dairy must be registered for state fair (although it is not necessary to have the registration paper transferred to the 4-H member's name) by May 15th and their registration number listed on the 4-H member's dairy enrollment form.

Exhibit

4-H Dairy calves, registered and grade, will be shown in the same class together. Only registered animals will be allowed to show at the state fair. All registered animals must be identified by either their own registration number or their dam's registration number. This number must be listed online and must match the animal's registration paper. The animal's birthdate, name, and tattoo number (if required by breed association) must be listed online. Grade animals should list ear tag and/or tattoo number and birthdate. The animal's registration paper would serve as an insurance policy against a 4-H member making a mistake when filling out the online enrollment. All non-registered animals must be identified with some form of identification on their online enrollment. This could include tag number or tattoo.

Classes

Junior Calf - born March 1 or later - at least 4 months old
Fall Senior Calf - born December 1 of previous year to February 28 of current year
Senior Calf - born September 1 to November 30 of previous year
Summer Junior Yearling - born June 1 to August 31 of previous year
Junior Yearling - born March 1 - May 31 of previous year
Intermediate Yearling - born December 1 to February 28 of previous year
Senior Yearling - born September 1 to November 30 (two years ago)
2 yr. Old Cow - born September 1 to August 31 (two years ago)
3 yr. Old Cow - born September 1 to August 31 (three years ago)
4 yr. Old Cow and over - born prior to August 31 (four years ago or longer)
Best Fitted High School & Best Fitted Under High School

DAIRY BEEF

Enrollment

All dairy beef steers must be enrolled by May 15. To enroll, 4-H members must complete the 4-H Dairy Beef/Beef online enrollment by May 15 and bring their animals to the Dairy Beef/Beef ID Day in March. During the Dairy Beef/Beef ID Day, animals will be identified by RFID tag, county ear tags, and weighed. Each dairy steer may be co-enrolled by siblings, as long as the animal(s) is/are listed on each 4-H member's cattle 4Honline enrollment.

Exhibit

Dairy Beef steers may be purebred, crossbred, or a combination of both, but must be 100% dairy blood. All steers must be dehorned to exhibit at the county fair.

Classes

All Dairy Beef steers will be divided equally by weight and into Feeder Steer and Fat Steer classes. Feeder Steers are those weighing 999 lbs. and below while fat steers are those weighing 1000 lbs. or more. A champion and reserve champion feeder steer and fat steer will be chosen.

Steers must be shown clipped and "washed down".

Rate-of-Gain

Dairy Beef steers will compete in a rate-of-gain contest.

DOG: DOG OBEDIENCE

4-H members enrolled in the Dog Obedience project must show in obedience in order to show in agility and showmanship classes. The county dog obedience club holds practice sessions to assist members. Enrollment in the dog project is not required for the Dog Obedience Project.

1. All 4-H members must have dogs in their possession by May 1. No animal may be substituted or traded from original animal after May 1; except in event of illness or injury. For instance, where there are more children in a family signed up for the project and not enough dogs, one of the 4-H family members may lease a dog.

2. A dog must belong to the exhibitor or to a member of the immediate family or household.

3. Health Requirements –

All members must provide a Certification of Vaccination sheet (4-H 671) and complete online enrollment prior to the first practice. All 4-H dogs must be accompanied by (including 4-H practices) the 4-H 671 certificate of vaccination, signed by a licensed, accredited veterinarian indicating the dog has been vaccinated for rabies, distemper, hepatitis, parvovirus, leptospirosis and kennel cough. Dates must be included for each vaccine. All information must be completed on the vaccination certificate. Animals that are vaccinated at home must provide an original receipt for the vaccine and attach the receipt and the label for the vaccine on the vet form; in addition to putting the date of the vaccination on the form. A 4-H dog may not be exhibited if they are showing symptoms of any communicable disease including fleas and ticks.

Reminder: All dogs 3 months of age and over must be vaccinated for rabies by a licensed and accredited veterinarian in accordance with the state rabies vaccination law. The Board of Animal Health recommends that:

1. Participants test their dogs that are six (6) months of age and older for heart worms. It is recommended that dogs that test positive for heart worms not participate.

Participants should implement a preventative program for heart worms for all of their dogs.

2. Dogs have a negative fecal exam for parasites not more than thirty days prior to exhibition.

Please Note: Certain required vaccinations have not been proven effective in wolf-hybrids; therefore, 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.

4. A dog displaying signs of aggression will not be allowed to participate in the interest of safety to others associated with the project.

5. Female dogs in season during training course should be left at home. However, they will be allowed to show at county level if handler takes extra precautions and shows last. Female dogs in season will not be allowed to compete in State Fair Show.

6. Excessive and/or inhumane treatment of a 4-H dog by a handler and/or family will be grounds for disqualification of the 4-H exhibitor.

7. All dogs must remain on leash during training sessions, show, and Fair presentation. Only Exception: 4-H members that are at "off leash" level and only upon command.

8. 4-H members are responsible for their dog's messes. It is each member's responsibility. NO EXCEPTIONS! Failure to comply can result in disqualification.

9. A current 4-H member may show a member's dog only in cases of illness or injury at time of show and with 4-H leader approval.

10. The 4-H member must be the trainer of the dog. We encourage parent participation, coaching, and assistance when needed at home, but it must be the member's project. With 4-H leader's approval, parents may assist 4-H members with their dog. 4-H members must be present for parents to help with the dog at 4-H practices.

11. 4-H members can show only one dog at one level, but may show two dogs at different levels, plus one veteran dog in the veteran's obedience (State Class), veteran's agility (County Class only), and/or showmanship. In a given year, at the State Fair dog show, a 4-H exhibitor may show one 4-H obedience trained dog and/or one dog trained through 4-H for the handicapped program.

12. Handler and dog are judged as a team.

13. In any given year, a 4-H dog must be shown at the same obedience/agility level or higher at the State Fair that the dog was entered in as part of the county 4-H dog program. The 4-H dog leader's signature on 4-H 671 (certificate of vaccination) is to verify the level of obedience work, showmanship, agility, and that the 4-H member completed the project level. The 4-H member may not move back to a lower class than the one they entered in previous years, with the same dog.

14. Obedience and showmanship regulations not covered by these terms and conditions will be based on the regulations of the American Kennel Club, Inc. Agility regulations not covered by these terms and conditions will be based on UKC rules for agility.

15. If unable to exhibit your dog, a poster covering a dog related topic, will be another option for project completion. All posters are due on Dog Show Day. All general poster rules would apply to the exhibit. (Refer to project completion in section 1.)

16. 4-H record sheet and project manual activities must be completed prior to the judging. If this is your only project, turn in your completed record sheet, project manual, and green folder prior to the judging. If you have other 4-H projects to be exhibited at the fair, only bring your record sheet and project manual to have checked and signed.

17. Handler must wear a left arm band while showing.

18. Tennis shoes need to be worn to practice. Sandals are not acceptable.

19. Commercial advertisement names or insignia, farm names and family names on 4-H exhibitors or exhibits while showing are prohibited along with midriiffs or hats. Suggested attire for dog members is as follows: club t-shirt, jeans/shorts, and tennis shoes except for showmanship and refer to those guidelines.

20. Parents need to be present during the practices. If a parent must leave, please let a leader know.

21. Bring chairs, water bowls, water, collars, leads, and pet waste clean-up equipment.

Obedience

A dog must wear a well fitted slip, buckle, or martingale collar made of leather, fabric, or chain in order to be exhibited in obedience classes. The leash may be made of fabric or leather and must be six feet in length. Collar tags are not allowed in the 4-H show. 4-H dogs being raised for the handicapped programs are exempt from the collar tags. All dogs must train and show with proper collar and leash.

A dog, fouling in the ring, will receive an automatic ten (10) point dock in score.

Class 1A is only open to 4-H exhibitors and dogs who are both in their first year of the project. Any 4-H member or dog with training before January 1, this year, must show in Class 1B or higher. 4-H member may not repeat the following classes with the same 4-H dog: 1-A; 1-B; 2-A; 3-A; 4-A; 5-A; 6-A; and agility Beginning A, Intermediate A and Advanced A. The 4-H member may not move back to a lower class than the one they entered in previous years, with the same dog.

Obedience - The high jump will be set at the same height as the 4-H dog measurers at the withers rounded to the nearest multiple of two inches. Minimum height is four inches and the maximum is 36 inches. (All dogs less than 7.5 inches must jump the four inch minimum.) The broad jump distance will be twice the high jump height.

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 1 of the current year. (Not repeatable)

Class 1B - For 4-H members with previous dog training experience, (4-H or otherwise) coming back with a new dog, or for 4-H members with no experience whose dogs have had training which disqualifies them for 1-A. (Not repeatable with the same dog)

Class 2A - For 4-H members with dogs which have completed 1A or 1B. (Not repeatable with the same dog)

Class 2B - For 4-H members with dogs which have completed the second year – class A. (May repeat until ready for 3A)

Class 3A - For 4-H members and dogs which have mastered second year work. (Not repeatable with the same dog)

Class 3B - For 4-H members and dogs which have been in 3A, but are not ready for fourth year work. (May repeat)

Class 4A - For 4-H members and dogs which have mastered third year work. (Not repeatable with the same dog)

Class 4B - For 4-H members and dogs which have been in 4A, but are not ready for fifth year work. (May repeat)

Class 5A - For 4-H members and dogs which have mastered fourth year work. (Not repeatable with the same dog)

Class 5B - For 4-H members and dogs which have been in 5A, but are not ready for sixth year work. (May repeat)

Class 6A - For 4-H members and dogs which have mastered fifth year work. (Not repeatable with the same dog)

Class 6B - For 4-H members and dogs which have been in 6A. (May repeat)

Veterans - For 4-H members whose dogs are at least seven years old or are physically challenged. The dog must have completed at least class 2B in previous years. Dogs who 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.

Agility - *Need flat buckle collar and 6' leash. No tags on show day.

The leash may be made of fabric or leather and must be six feet in length. Collar tags are not allowed in the 4-H show. All dogs must train and show with proper collar and leash. Agility needs a flat collar.

For agility, if a dog fouls in the ring during the walk through there will be a ten (10) point deduction in the agility score. If the dog fouls in the ring during the scored run, it will be disqualified immediately.

Dogs showing in agility are required to have shown in obedience and must be at least 7 months of age by the call out meeting in March.

The program offers three (3) levels of competition – Beginning, Intermediate, and Advanced. The level of competition will be determined by the handler and their county leader based on the dog's ability and training.

Jump is based on the dog's height at the withers. Dogs up to and including 10" will jump 4" hurdles, dogs over 10" and under 14" will jump 8" hurdles. Dogs over 14" through 20" will jump 14" hurdles. Dogs over 20" will jump 20" hurdles. (Except beginner A, which will jump 14" hurdles) The Pause Table will be at the hurdle height. At the county level only, exceptions can be made by the 4-H leader for dog's height and ability. The pause table will be at the hurdle height for each division.

Beginning

Beginning A – 4-H member has not previously participated in Beginning Agility. 4-H member must use a 6' leash. (Not Repeatable)

Beginning B (On Lead) – 4-H member has participated in Agility before, either with the current dog, or a different dog. Dog should repeat Beginning B until they can safely negotiate the Teeter-Totter, Hoop Jump and Closed Tunnel.

Beginning B (Off Lead) - 4-H member has participated in Agility before, either with the current dog, or a different dog. Exercise must be off leash. Dog should repeat Beginning B until they can safely negotiate the Teeter-Totter, Hoop Jump and Closed Tunnel.

Intermediate

Intermediate A (On Lead) – 4-H member has not previously participated in Intermediate Agility. (Not Repeatable)

Intermediate A (Off Lead) – 4-H member has not previously participated in Intermediate Agility. (Not Repeatable)

Intermediate B (On Lead) – 4-H member has participated in Intermediate Agility before, either with the current dog, or a different dog. This should be repeated until the dog can perform advanced level work.

Intermediate B (Off Lead) – 4-H member has participated in Intermediate Agility before, either with the current dog, or a different dog. This should be repeated until the dog can perform advanced level work.

Advanced

Advanced A (On Lead) – 4-H member has not previously participated in Advanced Agility. (Not Repeatable)

Advanced A (Off Lead) – 4-H member has not previously participated in Advanced Agility. (Not Repeatable)

Advanced B (On Lead) – 4-H member has participated in Advanced Agility before, either with the current dog, or a different dog. This class may be repeated.

Advanced B (Off Lead) – 4-H member has participated in Advanced Agility before, either with the current dog, or a different dog. This class may be repeated.

Veteran's

(County Class Only) Dogs will participate in the last level they completed in agility. Height will be based on dog ability with leader's approval. There will be an on lead and off lead option. A dog may not be shown in any other agility class, once they have competed in the Veteran's Class.

*** At the State Fair only the Beginner A Class is on lead, all other classes are off lead. The Indiana State Fair does **not** offer a Beginner B (On Lead), Intermediate A (On Lead), Intermediate B (On Lead), Advanced A (On Lead), Advanced B (On Lead), or Veteran's division.

A dog and its handler must receive a qualifying score of 150 points or higher to be considered for Champion and Reserve Champion in each agility division.

Showmanship

The leash may be made of fabric or leather and must be six feet in length. Collar tags are not allowed in the 4-H show. 4-H dogs being raised for the handicapped programs are exempt from the collar tags. All dogs must train and show with proper collar and leash. Showmanship needs martingale collar.

A dog, fouling in the ring, will receive an automatic ten (10) point dock in score. This penalty applies to obedience and showmanship classes. For agility, if a dog fouls in the ring during the walk through there will be a ten (10) point deduction in the agility score. If the dog fouls in the ring during the scored run, it will be disqualified immediately.

Junior – Youth in grades 3-5

Intermediate - Youth in grades 6-8

Senior – Youth in grades 9-12

Proper attire: girls-dress, skirt and blouse, culottes, dress pants, or blue jeans; boys-dress pants, blue jeans, dress shirts; (coat and tie are optional.) Smooth soled boots, high heels, backless slip-on shoes, loose fitting shoes or other unsafe footwear are not appropriate attire.

State Fair – 4-H dog obedience members interested in the State Fair Dog Show must complete state fair entry form by July 1.

Manual

4-H-357-W (Dog Obedience)

4-H-852-W (Common Dog Diseases & Health Problems)

Record Sheet

4-H 390 W

Certificate of Vaccination

4-H 671 W

Additional Resources - 4-H-716-W (Dog Showmanship Guide) Showing in 4-H Obedience by IN 4-H Advisory Committee

GOATS

***Please know that by the fair in 2022, registration papers WILL BE REQUIRED to show your breeding doe as a registered animal. If they are not registered, they will show either in the crossbred breeding class or market doe class.**

Enrollment

All goats must be enrolled online by May 15th. All animals must have a form of identification, i.e. tag or tattoo (see requirements below). For county fair, registration papers **ARE** required to show in specific breed classes for breeding does. Non-registered animals must be enrolled in the crossbred or market class. For state fair, please check state fair book for requirements; animals must be identified by registration number or their dam's registration number.

Goat ID Day

The following goats must come to ID day to be weighed and tagged:

- All meat does and wethers UNDER ONE YEAR OF AGE who plan to show in MARKET classes
- Dairy wethers UNDER ONE YEAR OF AGE
- Crossbred breeding does UNDER ONE YEAR OF AGE

Pygmy

Pygmy goats will require an ear tag, LEGIBLE tattoo, or microchip. (It is recommended to include some form of external ID such as ear or scrapie tag.) Member must have microchip reader available if using this method of identification. Pygmy goats will be shown with the dairy goats. Pygmy market goats under one year of age may sell in the auction.

Tagging/ID's

Meat Goats – All MARKET Meat Goats, wethers or does, will require a farm tag, or scrapie tag (or county tag if under one year of age).

All Breeding Does will require some form of external ID. This can be a farm tag, scrapie tag, or tattoo. The tattoo MUST be legible. Registration paperwork MUST be available for superintendents to check at Fair check-in for registered does.

Dairy Goats – Any unregistered animal will be required to have a farm or scrapie tag or LEGIBLE tattoo. (Scrapie tag is preferred.)

Wethers UNDER ONE YEAR OF AGE will be required to have a scrapie tag, farm tag or LEGIBLE tattoo **in addition** to the tag received at weigh day.

Any REGISTERED animal will be required to have a tattoo. Tattoos MUST be legible, and registration paperwork must be available for superintendents to check at Fair check-in.

Note: Any Dairy Goat with a tattoo must also have a visual tag for Fair check-in (can be on collar).

Goat Club

All 4-H members (regular and mini) who enroll in the goat project are highly encouraged to join the Washington County 4-H Goat Club. The goal of the club is to provide meetings that will cover topics on showing, grooming, and management practices for goats. Members are encouraged to attend at least three meetings and participate in goat club setup for the fair. The club has an adult volunteer committee that oversees the activities of the club and the fair.

Show Attire

Suggested attire for goat members for show day is as follows: Nice jeans, belt, boots or hard shoes (tennis shoes not recommended), and goat club t-shirt.

Exhibit

Every goat must have a collar and a tie chain available during the fair.

Buck goats are NOT permitted.

Meat goats may be shown with or without horns, however, these must be deemed safe by the Goat Committee. Unsafe horns must be covered.

Dairy goats may NOT be shown with horns.

Classes

Age will be computed according to the date the goats are actually judged.

There will be classes according to types (dairy, meat) and breeds.

Dairy/Meat goat wethers and market does will be divided into classes based on weight.

Breeding doe (registered and crossbred) will show by age.

Champion market doe and champion market wether will compete for supreme market goat.

Goats competing for championship honors who are in milk may be required by the judge to be milked before final awards are made.

Registered does will show in breed classes. Unregistered does may show in either the market doe class or the crossbred breeding class.

Registered Breeding Doe show classes are as follows:

- Junior Doe – born on or after April 1, 2021
- Intermediate Doe – born January 1 to March 31, 2021
- Junior Yearling Doe – born June 1 to December 31, 2020
- Senior Yearling Doe – born on or before May 31, 2020, under 2 years (never fresh)
- Senior Yearling Doe – 1 year and under 2 years (milking)
- Doe – 2 years and under 3
- Doe – 3 years and under 5
- Doe – 5 years and older

Market show classes are as follows:

- Wether/Doe under one year
- Wether/Doe one year and over

Fair Information

All animals must be weighed at Fair check-in. Appropriate tags and/or tattoos must be present and legible. **If tattoos are not legible, goats will not be able to show.** Registration papers must be available, where required.

Pens

Each pen will contain a minimum of 2 animals. The only exception is if the 4-H member is only showing one goat. The goat barn may be locked between the hours of 10:00 p.m. – 7:00 a.m.

Auction

4-H Members may sell one market goat or dairy wether, under one year of age, in the auction. Ten year members may sell two animals.

HORSE & PONY

See Horse & Pony Project Club Rules and the IN Horse & Pony Handbook for more information.

Enrollment

Each Wash. Co. 4-H Horse & Pony member must enroll their animals online by May 15. A color photo will need to be uploaded in 4honline for enrollment. The color photos must show all four feet and the face of the horse on each picture, and it must be labeled with the horse's name and the name of the 4-H member. All animals must be kept in Washington County unless prior arrangements have been approved by the Wash. Co. 4-H Council.

Each 4-H member may enroll up to five animals in the County Show; however, only one animal is allowed per member at the Indiana State Fair.

Animal Ownership

A given horse or pony shall not be enrolled by more than one 4-H member except for brothers and sisters. 4-H animals shown under different ownership (than listed on the online enrollment) after the 4-H animal enrollment deadline, shall not be eligible to be shown in the 4-H show. This term/condition does not apply to siblings who may show each other's animals at any show during the year without jeopardizing state fair eligibility, regardless of whether or not the sibling is a 4-H member. NOTE: This term/condition does not apply to the horse & pony program where a parent may also show the horse or pony after it has been enrolled in the 4-H program.

Any 4-H Horse or Pony enrolled must be owned by the 4-H member; owned in family corporation; owned in partnership with the member's father, mother, brother, sister, aunt, uncle, grandparent or legal guardian; or leased subject to the approval of a written agreement by the county 4-H Horse & Pony Committee, 4-H Council and the Extension Educator in the county from which the enrollment is submitted. Ownership must be in effect on or before the county and state enrollment deadlines and continuously until after the show.

A child may, with the approval and with a signed lease on file at the Extension Office, lease a horse to show in local 4-H, if he or she does not have a rideable one of their own. Leased horses must be in the member's possession as of May 1.

Project Horse(s) are to be in the personal possession and under the regular care of the 4-H member as of May 1st.

Helmet Safety Policy

All 4-H members and adults 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/adult 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.

Adults riding area also at risk of head injury; therefore, adults are also strongly encouraged to wear properly fitted, certified helmets when they are riding at any 4-H sponsored activity/event so that they will serve as role models of safe behavior, as well as protect themselves.

Health

Each project animal must be vaccinated by March 1st. All animals must be sound and healthy. Any questionable animal may be removed by a licensed veterinarian.

Vaccination Requirements:

- Eastern and Western Equine Encephalomyelitis
- Rhino pneumonitis/EHV type 1 and 4
- Equine Influenza
- Tetanus
- Rabies

Completion

To complete the project, you must do the following:

- 1) One of your project horses must compete in one class at the 4-H Horse & Pony Show.
- 2) or a poster must be displayed at the county fair. All general poster rules would apply to the exhibit. (Refer to project completion in Section 1 of this handbook.)
- 3) Turn in a completed 4-H project record sheet and completed project manual activities prior to the established or published date and have an officially recognized 4-H leader/extension educator verify existence of the completed project.

Record Sheets/Project Manual Activities

Record sheets and project manuals must be turned in before the 4-H Horse & Pony Show.

State Fair

1. All State Fair 4-H Horse and Pony entries will be due July 1
 - a. Entries may be made electronically (preferred) or on paper
2. It is STRONGLY RECOMMENDED that 4-H members have successfully completed the skills in the class they wish to enter at a county show.

Manual

(Grades 3-7) Horse 4 – BU-8056
(Grades 8-12) Horse 5 – BU-8057

Record Sheet

4-H 901C-W
4-H 901C-W

POULTRY/PIGEONS

Enrollment

All animals must be owned and cared for by the 4-H member by May 15. Exceptions will be animals born after the May 15th date.

Exhibit

All chickens, turkeys and upland game birds (pheasant, grouse, guineas, quail) must be NPIP tested (this will be done at check-in), or come from a certified NPIP flock. Doves, pigeons and waterfowl do not fall under this federal registration, so they do not need to be NPIP tested or come from certified flocks. All poultry not having documentation of originating from a NPIP flock will be tested for Pullorum-Typhoid and must test negative in order to exhibit at the fair.

Pigeon

There will be no classes for pigeons. 4-H members may bring pigeons to the fair for exhibition purposes only.

Poultry Classes

4-H members must be present at time of judging to show their animals. There will also be Showmanship Classes. There is no limit to the number of varieties (i.e., brown egg layers pullets, brown egg layers hens, English large fowl cock, modern game bantam hen, etc.) that can be entered, but only 2 birds per class (cock, hen, cockerel, pullet, hen, tom, duck, drake) are allowed except in the commercial chickens class where exhibitors can exhibit two pens. A pen is made up of two birds. Animals in the pen classes cannot be shown in other individual classes.

The commercial chicken class is a pen class and requires two birds to make up a pen. All other classes are individual classes and only require the exhibitor to enter one bird; therefore, exhibitors may choose to enter two pens in commercial chicken classes (4 birds) or enter two separate entries (2 birds) in all other classes.

Egg Judging Class

Present 6 chicken eggs in a foam container. Two entries are allowed per class. A Champion and Reserve Champion will be chosen from each class, as well as an overall Grand Champion and Reserve Grand Champion.

Classes are as follows:

- White
- Brown
- All other

Commercial Chickens

Brown Egg Layers
Pullets
Hens
White Egg Layers
Pullets
Hens
Green Egg Layers
Pullets
Hens

Turkey

Commercial Hen
Exhibition Hen
Commercial Tom
Exhibition Tom

Waterfowl

Duck
Drake

Meat Pens

Broilers – 2 birds of the same sex, 6-8 weeks of age, and not over 5 ½ lbs. on show day.
Roasters – 2 birds of the same sex 8-12 weeks of age (over 5 ½ lbs-10 lbs. on show day).

Large Fowl

Champion & Reserve Champion
English Large Fowl
Cock
Hen
Cockerel
Pullet
American Large Fowl
Cock
Hen
Cockerel
Pullet
Mediterranean Large Fowl
Cock
Hen
Cockerel
Pullet
Asiatic Large Fowl
Cock
Hen
Cockerel
Pullet
Continental Large Fowl
Cock
Hen
Cockerel
Pullet
All Other Large Fowl
Cock
Hen
Cockerel
Pullet

Bantam

Champion & Reserve Champion
Single Comb Clean Legged Bantams
Cock
Hen
Cockerel
Pullet
Rose Comb Clean Legged Bantams
Cock
Hen
Cockerel
Pullet
All Other Combs Clean Legged Bantams
Cock
Hen
Cockerel
Pullet
Feather Legged Bantams
Cock
Hen
Cockerel
Pullet
Old English Game Bantams
Cock
Hen
Cockerel
Pullet
Modern Game Bantams
Cock
Hen
Cockerel
Pullet

RABBITS

Enrollment

All animals must be owned and cared for by the 4-H member by May 15. **4-H members may show no more than 3 rabbits per class, plus 1 meat pen for a total of 12 rabbits.**

Identification

All rabbits are required to have a tattoo. 4-H members will have the option to tattoo their animals during a spring meeting of the Fur & Feathers Club.

Classes

No more than 3 rabbits per 4-H member per class.

4 Class:

1. Senior Buck 2 & Over (A male rabbit two years of age and over.)
2. Senior Doe 2 & Over (A female rabbit two years of age and over.)
3. Senior Buck (A male rabbit six months to two years.)
4. Senior Doe (A female rabbit six months to two years.)
5. Junior Buck (A male rabbit under six months of age.)
6. Junior Doe (A female rabbit under six months of age.)

6 Class:

1. Senior Buck 2 & Over (A male rabbit two years of age and over.)
2. Senior Doe 2 & Over (A female rabbit two years of age and over.)
3. Senior Buck (A male rabbit 9 months to two years.)
4. Senior Doe (A female rabbit 9 months to two years.)
5. Intermediate Buck (A male rabbit 6-8 months of age.)
6. Intermediate Doe (A female rabbit 6-8 months of age.)
7. Junior Buck (A male rabbit under 6 months of age.)
8. Junior Doe (A female rabbit under 6 months of age.)

Mixed Class:

1. Senior Buck (A male rabbit 2 years of age and over.)
2. Senior Doe (A female rabbit 2 years of age and over.)
3. Intermediate Buck (A male rabbit six months of age up to two years of age.)
4. Intermediate Doe (A female rabbit six months of age up to two years of age.)
5. Junior Buck (A male rabbit under six months of age.)
6. Junior Doe (A female rabbit under six months of age.)

Meat Pen

Three rabbits of a single litter weighing 3-5 lbs.

Six class rabbits consist of the following breeds:

American	American Chinchilla	English Lop
Giant Chinchilla	Beveren	Cinnamon
New Zealand	Californian	Cream D 'Argent
Checkered Giant	Champagne D 'Argent	Flemish Giant
Blanc de Hotot	Silver Fox	Giant Angora
Satin	French Lop	Palomino

Four class rabbits consist of the following breeds:

American Fuzzy Lop	Dwarf Hotot	American Sable	Mini Lop
Mini Rex	Netherland	English Angora	Polish
French Angora	Harlequin	Florida	Satin Angora
Havana	Rex	Belgian Hare	Himalayan
Rhineland	Britannia Petite	Holland Lop	Silver
Standard Chinchilla	Jersey Wooly	Silver Marten	Dutch
Lilac	Tan	Lionhead	Thrianta
Mini Satin	Velveteen Lop	English Spot	

All 4-H members are responsible on show day for bringing their 4-H rabbits to and from the judging table. Only 4-H members may show rabbits at the judging table. There will also be showmanship classes.

SHEEP

Identification

- Wethers, market ewes, and non-registered breeding ewes must attend Sheep & Goat ID Day in May to be weighed and receive a county ear tag for identification.
- Registered ewes will be identified by an ear tag corresponding to the ewe's registration number on the ewe's registration paper. The ewe's tag number and birthdate should be included on the Indiana 4-H Sheep ID Worksheet. All purebred ewes must be registered in the 4-H member's name (or acceptable ownership – see page 14-15 under Section 2 4-H Livestock General Terms & Conditions) to show in registered breeding ewe classes. Registration papers will be checked by 4-H Sheep Superintendents at Sheep Weigh-in at the Fair.

Enrollment

- Sheep project members will receive the Indiana 4-H Sheep ID Worksheet in the mail prior to Sheep & Goat ID Day. The Indiana 4-H Sheep ID Worksheet must be completed and returned to the Extension Office by the designated date before Sheep & Goat ID Day.
- All sheep must be enrolled in 4-H Online by May 15 after Sheep & Goat ID Day.
- A sheep may not be enrolled in 4-H Online by more than one 4-H member, except for brothers and sisters.
- Sheep will also need to be entered into the online Fair Entry system by June 1.

Fair Classes

- Market Lamb Classes
 - Market Wethers (Wool Breeds) – All wool market lambs must be free of blankets at the time of arrival and slick shorn for the show.
 - Market Wethers (Hair Breeds) – It is at the 4-H member's discretion to slick shear hair market lambs for show.
 - Market Ewes (Wool Breeds) – All wool market lambs must be free of blankets at the time of arrival and slick shorn for the show.
 - Market Ewes (Hair Breeds) – It is at the 4-H member's discretion to slick shear hair market lambs for show.
 - Pair of Market Lambs (Both Wool & Hair Breeds) – both lambs must be owned by the same 4-H member to be shown in this class.
 - Notes about Market Lamb Classes:
 - Market wether classes will be created by breed (including white-face cross and black-face cross).
 - Market ewe classes will be shown by weight.
 - Ewe lambs may not be shown as both market and breeding.
 - The market wether breed champions and crossbred champions will compete for overall grand champion wether.
- Breeding Ewe Classes
 - Ewe Lambs (Wool Breeds) – Fall
 - Ewe Lambs (Hair Breeds) – Fall
 - Ewe Lambs (Wool Breeds) – January & February
 - Ewe Lambs (Hair Breeds) – January & February
 - Ewe Lambs (Wool Breeds) – March & April
 - Ewe Lambs (Hair Breeds) – March & April

- Yearling Ewes (Wool Breeds) – Born between September 1 – August 31 of the previous year
- Yearling Ewes (Hair Breeds) – Born between September 1 – August 31 of previous year
- Aged Ewes (Wool Breeds)
- Aged Ewes (Hair Breeds)
- Pair of Breeding Ewes (Wool & Hair Breeds) – both lambs must be owned by the same 4-H member to be shown in this class.
- Notes About Breeding Ewe Classes:
 - Classes will be shown by breed (including white-face cross and black-face cross).
 - Non-registered breeding ewes will be shown as crossbred breeding ewes in their respective wool or hair categories. The registered breed champions and crossbred champion will compete for overall grand champion ewe.
 - Ewes may not be shown as both market and breeding.
 - Ewe lambs with a broken mouth or evidence of yearling teeth, will show in a yearling class. Determination of age by teeth will be at the discretion of the judge.

Sheep Lead – Is a contest to show the relationship between the shepherd and their sheep. The 4-H member leads a sheep around the ring based upon the judge’s directions. Members are judged on their handling of the sheep.

- Junior Lead – 4-H members in grades 3-7
- Senior Lead – 4-H members in grades 8-12

Showmanship –

- Rookie – 1st Year 4-H members in grade 3
- Junior – 4-H members in grades 4-7
- Senior – 4-H members in grades 8-12
- Previous Winner – 4-H members who have won Senior Showmanship in previous years
- For more information about Showmanship, see page 18 “Showmanship” in Section 2 4-H Livestock General Terms & Conditions.

Rate-of-Gain

- Market animals will automatically participate in a rate-of-gain contest. This does not need to be entered in the Fair Entry online system.

Poster Opportunity

- Members unable to exhibit an animal at the fair may complete a poster covering a topic in the sheep project manual. For more information see page 16 “Poster Opportunity” in Section 2 4-H Livestock General Terms & Conditions.

Show Attire

- Suggested show attire for sheep project members includes: nice jeans, belt, boots (or similar shoes/not tennis shoes), Sheep Club T-shirt or appropriate shirt.

Washington County 4-H Sheep Club

All 4-H members (regular and mini) who enroll in the sheep project are highly encouraged to join the Washington County 4-H Sheep Club. The goal of the Sheep Club is to provide educational opportunities for members related to the sheep industry, care of the sheep project, and showing of the sheep project. Members are encouraged to attend as many meetings as possible (usually 6 meetings per year).

SWINE

Enrollment

All 4-H barrows and gilts must be farrowed on or after December 1st (January 1st for State Fair animals). All swine must be enrolled by May 15th. To enroll, 4-H members must complete the 4-H Swine Enrollment online by May 15th. A given pig may not be enrolled by more than one 4-H member, except for brothers and sisters.

Guidelines

- Barn Monitoring – Pigs should be observed daily for signs of disease or infection.
- Animal Identification – RFID tags & Ear Notches are required
 - All Washington County swine will be identified by USDA approved 840 radio frequency identification (RFID) tags.
 - No swine will be permitted to unload at the fair without both the ear notches indicated in 4-H Online and RFID tag attached. They will be immediately sent home and not permitted to show or sell.

Fair

Automatic hog watering devices are recommended in all pens. Hog waterers are available for rent for \$10 during fair week. There will be no straw allowed in hog pens.

If the 4-H member cannot be present during weigh-in time, it is required that a representative from the family be present to inform superintendents which swine go to which 4-H member.

Swine are suggested to weigh at least 200 lbs. However, minimal weight to sell in the auction will be dependent on market buyer. That will be determined and posted the week of the fair.

Animals are not to be clipped during the fair. Slick clipping or body shaving of 4-H swine is not permitted. In order for a swine to be checked in, it must have at least ½" of hair. If it is less than ½", the swine will leave the fairgrounds and will not be permitted to be shown or sold in the 4-H show or auction.

Classes

All purebred gilts must be registered in 4-H member's name (or acceptable ownership) to show in registered swine classes. Registration papers will be checked by Superintendents at fair weigh-in time. Non-registered gilts must be shown in the crossbred class or as a market animal. The registered breed champions and the crossbred champion will compete for the overall grand champion breeding gilt. Swine can be shown in only one class. Exception to this are the champion classes and showmanship. Breeding gilt classes (registered breed classes and the crossbred class) will be broken up into December, January, February, & March age classes.

Section 4

MINI 4-H

1. All Mini projects will be entered prior to the start of the fair along with regular 4-H projects. Refer to 4-H project entry for scheduled day and time.
2. No record sheets are required.
3. No premium money will be awarded to Mini 4-H members.
4. Refer to general 4-H rules in Section I.
5. All Mini 4-H posters should be 14" x 22" and displayed horizontally. They should have stiff backing and be covered with plastic. Plastic should be one piece - do not use cellophane wrap. Plastic sleeves are available for purchase from the Extension Office. Any color of poster Board/foam board may be used.
6. Both Mini Foods & Mini Microwave Projects must follow the following guidelines.

For Food Competitions: Filling, frosting, glazing, pie filling, and meringue, (whether uncooked or cooked) are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream as the nature of these products increases the moisture content and water activity of the food. Foods with a higher moisture content and water activity can be ideal growing conditions for food borne pathogens, even if the ingredient is part of a batter and 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 in products. Recipes must be provided that show which ingredients were used in each part of the product. Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. Whenever possible, baked products should be transported and stored in chilled coolers (41°F).

Mini 4-H Non-Competitive Policy

Mini 4-H is a program designed to encourage positive development of children, Kindergarten through second grade. The goal of Mini 4-H is to help young children explore friendships outside the family; explore the way in which things work; practice both small and large muscle control; and think about the ways people work together on projects.

The NON-COMPETITIVE learning environment for Mini 4-H includes:

- Planned learning activities in which children are invited to be active and explore materials and ideas without the pressure of completing a specific product or exhibit.
- Low adult/leader to child ratio that allows time for adults/leaders to provide individual, positive encouragement and assistance.
- Simple, interesting activities that are fun.
- Encouragement of children to participate in a group activity by sharing and or displaying their activity projects.
- Rewards that are identical and/or ribbons of the same color for everyone.

Projects are not judged, but comments are given to the child.

Safety Policy for Mini 4-H Members

The safety and well-being of our 4-H youth is of the utmost importance. Although kindergarten is specified as the time when a child may begin participation in some 4-H events and activities, parents are encouraged to take into consideration their child's physical and mental development before agreeing to let the child begin to show, work with, or care for animals. Each child matures at a different rate, and children in grades K-2 may still be too young to begin showing, working with, or caring for animals.

The State 4-H Youth Department at Purdue University has agreed to allow Mini 4-H members in grades K-2, to participate in some animal projects subject to certain conditions. These conditions are specified below.

Each county may determine its own programs, classes, and participation requirements subject to the following safety guidelines:

"Mini 4-H members, in grades K through 2, will be allowed to show, work with, or care for animal projects after their parent or legal guardian has signed a liability release. Mini 4-H members may independently show, work with, or care for animals that weigh 300 pounds or less. Mini 4-H members may only show, work with, or care for animals over 300 pounds when they are assisted by a parent, legal guardian, or another adult designated in writing by parent or legal guardian." (The word assisted means that the adult has control of the animal at all times.) Mini 4-H members exhibiting horses must wear ASTM or SEI standard F1163 (or above) certified helmets whenever mounted. The 4-H member is responsible to see that this specified headgear is properly fitted with the approved harness in place and fastened whenever a rider is mounted.

If the guidelines stated in this policy are not followed for a particular event or activity, then such event or activity shall not be considered to be a 4-H event or activity and shall not be under the auspices of Extension 4-H educators or covered by Purdue University.

Mini 4-H projects are as follows:

MINI BUGS

(All Grades)

This is a list of project activities that can be shown at the Fair. Pick a project activity you would like to try. You do not have to make them in any order.

- Make a poster of an insect or spider. Label the body parts.
- Draw a picture of a butterfly. Be sure to make the designs on the wings symmetrical.
- Make a poster or a book showing some of the ways bugs protect themselves.
- Make a scrapbook of pictures showing you and your family having fun while doing the project activities in this manual.
- Make a poster showing several kinds of bugs on one half and several kinds of spiders on the other half. You may want to draw the pictures or you may want to cut them from magazines.
- Make several kinds of bugs. Use them to make a mobile of moving creepy crawlies.
- Use a shoebox to encourage children to create a diorama for their bug. Use things from nature to make it realistic.

MINI CAKE DECORATING

Kindergarten -- Exhibit 3 cupcakes that you have iced and decorated with toppings such as: nuts, raisins, chocolate chips, M & M's, coconut, or other suitable candies, etc. (Do not use pre-made frosting decorations). A clear plastic container for your cupcakes will be provided at the fair or a container may be picked up at the Extension Office prior to the fair.

1st Grade -- Exhibit 3 iced cupcakes using decorations with your choice of frosting, colors, and tips. (Use only 2 different tips.) A clear plastic container for your cupcakes will be provided at the fair or a container may be picked up at the Extension Office prior to the fair.

2nd Grade -- Decorate a simple 1 layer (8" or 9") square or round cake (you may use a dummy cake) using your choice of frosting, colors, and 3 or more different tips. Exhibit cake on a piece of cardboard covered with foil. Do not cover with plastic.

MINI CAT

Kindergarten -- Exhibit a scrapbook containing information and pictures on cats. Pamphlets from your vet may be included.

1st Grade -- Your cat project exhibit will be to add to your division one scrapbook a 40 word story you have written on caring for a cat. You may include pictures or drawings of yourself caring for the cat.

2nd Grade -- Write a 50 word story on a specific breed of cat, include a picture of that breed of cat and add this information to your scrapbook from Div. 1 & 2. Exhibit scrapbook.

MINI COLLECTIONS

(All Grades)

This is a list of project activities that can be shown at the Fair. Pick a project activity you would like to try. You do not have to make them in any order.

- Collect and exhibit 5 items or 5 pairs of items. If you take a collection to the fair more than one year, add 5 more articles to your collection each year. These articles can be rocks, coins, insects, salt-and pepper-shakers, pencils, or any kind of fun collection. Attach a card that tells what you are collecting and why you collected the items.
- Go to a museum and look around at the collection of things.
 - Draw a picture of the collection you liked best.
 - Try to find out why museums collect stuff. List some things that they collect.
 - Ask someone who works at a museum how they get things for their collections.
 - What is the most unusual collection you saw?
- Talk to family and friends. Ask them what they like to collect and why they like to collect it, then make a chart to show your information.
- Make a scrapbook of pictures showing your group having fun while doing the project activities in this manual.

MINI CRAFTS

Kindergarten -- Exhibit one craft you have made from a simple kit such as a Christmas tree ornament, paint-by-number, or wooden kit.

1st Grade -- Exhibit one craft you have made that was NOT made from a kit-- such as mosaics, toothpick construction, egg or paper craft, spatter or finger painting, puppets, bookmarks, tissue paper art, mobiles, crayon resist pictures, vegetable or fruit printing pictures.

2nd Grade -- Exhibit one craft you have made from the following list: Freehand oil or watercolor paintings, or pencil or chalk drawings (framed); ceramics; macramé; knitted items; woven baskets; crochet items; candle wicking; embroidery; flour and salt clay ornaments or figures; paper-Mache items; tie-dye articles.

MINI DOG SCRAPBOOK

Kindergarten -- Exhibit a scrapbook containing information and pictures of dogs. Pamphlets from your vet may be included.

1st Grade -- Your dog project exhibit will be to add to your division one scrapbook a 40 word story you have written on caring for a dog. You may include pictures or drawings of yourself caring for the dog.

2nd Grade -- Write a 50 word story about a specific breed of dog and include a picture of that breed, along with the story, in your scrapbook from Div. 1 and 2. Exhibit scrapbook.

DOG OBEDIENCE, AGILITY, & SHOWMANSHIP – Also refer to dog obedience information in regular 4-H section.

Obedience 1st Year – 1A

Obedience 2nd & 3rd Year – 2B

Agility 1st Year – Beginning A

Agility 2nd & 3rd Year – Beginning B

Mini Showmanship – Youth in grades K-2

MINI FLOWERS

Kindergarten -- Exhibit a poster 14" x 22" with pictures of 10 different flowers with their names labeled.

1st Grade -- Exhibit one zinnia or one marigold in a small non-returnable bottle.

2nd Grade -- Exhibit one potted plant that you started from a seed or a cutting. Include the name of the plant and how you cared for the plant.

*Note: 4-H member is responsible for watering plants during fair week.

MINI FOODS

Kindergarten -- Exhibit 6 "slice and bake" cookies. Place cookies on a Styrofoam plate and cover with plastic wrap. Allow the cookies to cool before covering with plastic wrap.

1st Grade -- Exhibit 3 muffins from a mix of your choice. Place muffins on a Styrofoam plate and cover with plastic wrap. Allow muffins to cool before covering.

2nd Grade -- Exhibit 1 loaf of quick bread from a mix of your choice. Place the bread on a Styrofoam plate or cardboard covered with foil and cover the bread with plastic wrap. Allow loaf to cool before covering.

MINI FORESTRY

(All Grades)

This is a list of projects that can be shown at the Fair. Pick a project that you would like to try. You do not have to make them in any order.

- Make a scrapbook of pictures showing you and your family having fun while doing the project activities in this manual.
- Visit a lumberyard. Observe the many different types of wood. How is the wood stored? What sounds do you hear? What kinds of smells do you notice? Talk to one of the workers to find out what they do. Draw a picture of what you found out.
- Make a poster with pictures of your family planting a tree.
- Make an art collage out of things collected on a walk in the woods.
- Go on an alphabet scavenger hunt. Look for things in the forest that begin with each letter of the alphabet. Make an alphabet book using the items you find.
- Make a poster or book showing things people can do to help trees or showing things people use that come from trees.
- Write a story or poem about your favorite tree.

MINI GARDEN

Kindergarten -- Exhibit a notebook containing pictures of 5-10 labeled vegetables. Also include seeds for growing each of the vegetables, completed growing discovery guide from the manual and a picture of your garden if possible in the notebook.

1st Grade -- Exhibit 3 varieties of vegetables, one of each variety on a paper plate.

2nd Grade -- Exhibit 4 varieties of vegetables, one of each variety on a paper plate.

HORSE & PONY—Refer to safety policy for mini members and horse & pony information in regular 4-H section.

MINI LIVESTOCK

***Note – ALL mini 4-Hers must submit a poster (notebook for 2nd grade) to complete this project.**

Animal Options: BEEF, DAIRY, GOAT, HORSELESS HORSE, POULTRY, RABBIT, SHEEP, AND/OR SWINE

Kindergarten -- Exhibit a poster 14" x 22" which includes pictures of colored drawings of 5 different breeds of a livestock specie. The pictures should also include labels.

1st Grade -- Exhibit a poster 14" x 22" which includes your labeled animal diagram from the manual which may be colored.

2nd Grade -- Exhibit a notebook containing a short story (50 words) about a farm you visited, an animal on your farm, or a make believe story about a livestock animal. In your notebook include pictures or drawings to illustrate your story.

Mini Showmanship

Any mini 4-Her completing the livestock project may also choose to show any or all of the following animals in the Mini Showmanship show:

- Goats, rabbits, sheep, swine

Mini 4-H members will NOT be allowed to bring their own animal(s) to the fair. If members would like to participate in Mini Showmanship, they will need to attend the Mini Showmanship Workshop in the spring. During that time they will be paired up with a regular 4-H member and their animal. The only exception would be if the Mini member has an older sibling who is a regular 4-H member showing livestock. In this case, the Mini member would be allowed to show the sibling's animal.

MINI MICROWAVE

Kindergarten -- Exhibit an unopened ready-to-eat bag of popped popcorn.

1st Grade -- Exhibit one of the snack recipes in your mini manual.

2nd Grade -- Exhibit a snack with melted candy coating or chips (chocolate, butterscotch, etc.) coating on one of the following: snack cracker, cereal, or Chinese noodles.

MINI MODELS

Kindergarten-2nd Grade -- Exhibit one snap-together or Lego type model you have put together. Choose a model that is age appropriate.

MINI PHOTOGRAPHY

Kindergarten -- Exhibit 4 color pictures on a 14" x 22" poster. Number photo prints 1-4.

1st Grade -- Exhibit 5 color pictures on a 14" x 22" poster. Number photo prints 1-5.

2nd Grade -- Exhibit 6 color pictures on a 14" x 22" poster. Number photo prints 1-6.

MINI SEWING

(All Grades)

This is a list of project activities that can be shown at the Fair. Pick a project activity you would like to try. You do not have to make them in any order.

- Make a scrapbook of pictures showing you and your family having fun while doing the project activities in this manual.
- Make one of the project activities in this guide.
 - Fringe a Scarf
 - Quilt Square Initials
 - Tic-Tac-Toe Weaving
 - Stitch the Mouse
 - Straight-Line Patterns
 - Connect-a-Pattern
 - Flight Pattern

MINI SPACE

(All Grades)

This is a list of project activities that can be shown at the Fair. Pick a project activity you would like to try. You do not have to make them in any order. If you have any questions, please call the Extension Office.

- Make a poster or mural of space. Be sure to include some constellations.
- Design and make your own rocket using materials around your house like paper towel tubes and construction paper.
- Make a poster or a book showing some things you have discovered about astronauts
- Make a scrapbook of pictures showing your family having fun while doing the project activities in this manual.
- Make the star constellation of your choice using two different techniques from this manual or make up your own method.
- Write a short poem about what you think it would be like to explore space. Design a space cover for your poem.

MINI TREES

(All Grades)

This is a list of project activities that can be shown at the Fair. Pick a project activity you would like to try. You do not have to make them in any order.

- Make a scrapbook of pictures showing you and your family having fun while doing the project activities in this manual.
- Draw a picture of the ways your favorite tree looks in each of the four seasons.
- Make a collage of pictures cut from magazines. Show as many different kinds of trees as you can find. See if you can find at least one picture of a tree with an unusual shape.
- Take a walk in a local park. Collect things that have fallen from trees onto the ground. Make a tree shaped poster and glue all the things you found onto the poster. Be sure to match the items with the part of the tree where they are found.
- Make a leaf rubbings book using 5 leaves you find that you think are interesting. To make the leaf rubbings, place each leaf on a flat surface with the vein side up. Next, place a piece of paper over the leaf and use the side of a crayon to rub color over it. Label each page with the leaf name.

MINI WOODWORKING

Kindergarten-2nd Grade – Exhibit one wooden item that is age appropriate. A kit may be used.

SECTION 5

STATIC PROJECTS

NOTE: An asterisk (*) denotes projects that are not eligible for State Fair.

AEROSPACE

Each county would be permitted to send one rocket, remote control aircraft, or drone and one poster/display board in 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.

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 a 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 amateur rocket according to FAA regulations.

Remote control aircraft or drones may be constructed from a kit or purchased as ready-to-fly.

Requirements

Level 1 - Grades 3-5:

State Exhibit Requirements

Rocket of your choice, Estes Skills Level 1, 2, or comparable difficulty or a poster, 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). Cluster engine rockets and rockets that take an engine D or above are not permitted in this level.

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 2 - Grades 6-8:

Rocket or other aerodynamic object of your choice, Estes Skills Level 2, 3, or comparable difficulty or poster, display board on any topic in the manual (i.e., glider plane (page 18) with poster explaining design). Cluster engine rockets and rockets that take an engine E or above are not permitted in this level.

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 3 - Grades 9-12:

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 or poster, display board on any topic in the manual (i.e., box kite (page 20) with poster explanation). Rockets that take an engine G or above are not permitted.

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.

State Fair Project – Each county will be permitted to send one rocket and one poster/display board in each grade level category.

Manual

Level 1 - 4-H BU-6843
Level 2 - 4-H BU-6844
Level 3 - 4-H BU-6845

Record Sheet

4-H 528 – W (General)

AGRICULTURAL TRACTOR (DRIVING)

Tractor Operators Contest

The Tractor Operators option will be for youth to participate in a tractor operator contest in any of the following categories:

- Lawn & Garden Tractor Safety and Operator Skills
- Tractor Safety and Operator Skills
- Zero Turn Mower Safety and Operator Skills

Youth are divided up into junior and senior levels. Those wishing to participate in the tractor operators contest should join the Tractor Club.

Junior = Grades 3-7
Senior = Grades 8-12

Manual
None

Record Sheet
4-H 528-W (General)

AGRICULTURAL TRACTOR NON-DRIVING

Requirements

All posters should be 22" x 28" and displayed horizontally. They should have stiff backing and be covered with plastic. Posters not having these characteristics will be dropped one ribbon placing. Any color of poster board may be used.

Level A (Grades 3-4): Choose one of the following to exhibit at the fair:

Poster, notebook report, or 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.

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

Poster, notebook report, or 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.

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

Poster, notebook report, or 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.

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

Poster, notebook report, or 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.

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.

State Fair: One exhibit per level.

Manual

Level A: 4-H 961
Level B: 4-H 962
Level C: 4-H 963
Level D: 4-H 964

Record Sheet

4-H 528- W – all levels (General)

ANIMAL EDUCATION

Description:

Youth can learn about livestock and companion animals through a variety of experiences.

State Fair Entries:

- 3 Cat entries per county; one per level.
- 3 Dog entries per county; one per level.
- 3 Llama entries per county; one per level.
- 3 Poultry entries per county; one per level.
- 3 Rabbit entries per county; one per level.

Exhibit Guidelines:

Owning or showing an animal is not required. Members enrolled in any 4-H animal or livestock project can exhibit in this project and are to contact their county 4-H educator to learn if they are to also be enrolled in animal education.

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 way references are listed.

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create an educational poster, notebook or display about any manual activity or on any specie related topic of choice that is age/grade appropriate. Check with the Purdue Extension office in your county to determine if enrollment is required in the species project you want to learn about. Owning or possessing an animal is not required.

Intermediate (grades 6-8 suggested)

Create an educational poster, notebook or display about any manual activity or on any specie related topic of choice that is age/grade appropriate. Check with the Purdue Extension office in your county to determine if enrollment is required in the species project you want to learn about. Owning or possessing an animal is not required.

Advanced (grades 9-12 suggested)

Create an educational poster, notebook or display about any manual activity or on any specie related topic of choice that is age/grade appropriate. Check with the Purdue Extension office in your county to determine if enrollment is required in the species project you want to learn about. Owning or possessing an animal is not required.

ARTS & CRAFTS

Description:

Allows youth to learn life skills and grow in project knowledge while expressing creativity in a variety of mediums.

State Fair Entries:

5 entries per county as determined by the county 4-H educator and fair officials.

Exhibit Guidelines:

Youth may exhibit any art or craft that does not meet exhibit requirements in Fine Arts, Needle Craft, Model Craft or Construction.

Exhibitors should be considerate of space. Exhibits too large to safely move or requiring lots of space should be exhibited using photographs and a description of work in a notebook.

All arts and craft exhibits must include a [4-H Craft Information Card, 4-H 618A](#). This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

If multiple pieces make up the exhibit, a photograph of the complete exhibit should be attached to the exhibit so the total exhibit can properly be displayed. For safety purposes any craft exhibit that resembles a sword, knife, or look-a-like weapon will be judged but will not be displayed.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create and exhibit one age/grade appropriate artwork.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate artwork.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate artwork.

1. Attach to project 4-H 618A-W 4-H Craft Information Card for description of work completed on the project.
2. Each article is to be labeled and ready for use. For instance: Pictures and wall hangings must be **finished to be hung**. These projects will be displayed using hangers. Please make sure that the type of hanger you choose is securely fastened to your project. **Wire on back of frames is preferred for displaying during county fair.** Entries will be dropped one ribbon placing if hanging projects to not have a hanger. Ceramic pieces should have felt bottoms, rugs should be bound with rug binding, and all articles need to be clean, etc.

3. There will be both a Junior (grades 3-7) and Senior (grades 8-12) set of Grand and Reserve Grand Champions selected for the following categories: Fine Arts, Needle Crafts, Basic Crafts, Models.

4. An exhibitor may exhibit one article from each of the following state fair categories: Fine Arts, Needle Crafts, Basic Crafts, Models, Construction and Architectural Replica. (A set will be counted as one article.) An exhibitor may also exhibit one project from each of the following county-only categories: Artificial Floral Design, Farm Toy Scene, Gift Wrapping.

5. If multiple pieces make up the exhibit, a photograph of the complete exhibit should be attached to the exhibit so the total exhibit can properly be displayed.

6. For safety purposes, any craft exhibit that resembles a sword, knife, or a look-a-like weapon will be judged but will not be displayed.

CATEGORIES:

***Artificial Floral Design**

This project will be divided into the following categories:

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

Exhibit requirements:

Construct an article of choice using artificial flowers. Dried materials such as baby's breath, statice, background filler, moss, and raffia may also be used. Embellishments such as ribbon and other decorative items are allowed as long as artificial flowers account for at least 75% of the exhibit. No fresh flowers are to be used in this exhibit. Floral arrangements can be displayed as a centerpiece, corsage, hairpiece, handheld bouquet or hanging piece (swag, spray, wreath, etc.). Any hanging piece must be ready to hang.

Projects are expected to increase with difficulty each year. Keep in mind, creativity is key! The grand champion and reserve grand champion may be considered for State Fair entry (as a basic craft).

Basic Crafts

May not include any crafts in the other classes (fine arts or needle crafts)
(Items listed after each craft are examples, not requirements.)

Examples:

-Candle Making: molded or hand-shaped

-Ceramics:

a. Hand-molded: paperweight, vase, etc.

b. Greenware: any article

-Collage: article ready for use (e.g. background completed and filled-in with pictures, sayings, colors, etc.)

-Decoupage: purse, picture, box, etc.

-Finger Painting: picture

- Beads: jewelry, basket, wall hanging, etc.
- Leathercraft: belt, coin purse, purse, wall hanging, etc.
- Macramé: purse, wall hanging, belt, potholder, etc.
- Metal craft: molding, etching, engraving, and shaping (e.g. tray, ash tray, bracelet, coasters, wall hanging, etc.)
- Calligraphy: wall hanging, greeting card, etc.
- Miscellaneous: includes crafts not mentioned
- Latch Hook: rug, wall hanging, purse, pillow, etc.
- String Art: picture
- Tube Painting: pillow case, quilt, tablecloth, clothes, etc.
- Wood Craft: article should be decorative (e.g. carving, wood burning, inlay)
- Mosaic: trinket, tray, etc.
- Paint-by-Number: picture
- Plaster Cast: any article
- Pottery: vase, lamp, bowl, ashtray, etc.
- Rug Braiding: rugs, hot pads, etc.
- Sand Art: vase, planter, picture, etc.
- Silk Screen: wall hanging, greeting cards, etc.
- Enameling: coasters, jewelry, candy dish, etc.
- Basket Weaving: baskets, trays, woven wall decorations
- Plastic Canvas: coasters, boxes, decorations, etc.

Construction and Architectural Replica (formerly Construction Toys)

Description:

Allows youth to learn life skills and grow in project knowledge while expressing creativity when designing replicas.

State Fair Entries:

1 entry per county as determined by the county 4-H educator and fair officials.

Exhibit Guidelines:

Exhibits can include farm scenes, town models, building replicas, or similar items and can be constructed from building blocks (Lego), erector sets, or other materials. The product should be constructed to scale as much as possible. Consider adding a clear cover to protect the exhibit while being displayed to the public. This exhibit will most likely be displayed on an 8' long table top with two or three exhibits per table.

Exhibitors should be considerate of space. Exhibits too large to safely move or requiring lots of space should be exhibited using photographs and a description of work in a notebook.

All arts and craft exhibits must include a 4-H Craft Information Card, 4-H 618A. This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

If an exhibitor is concerned about their creation being damaged while on display, they should consider constructing a clear plastic cover to encase the exhibit.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:***Beginner (grades 3-5 suggested)***

Create and exhibit one age/grade appropriate artistic scene or replica.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate artistic scene or replica.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate artistic scene or replica.

***Farm Toy Scene**

Division 1 (Grades 3-4) -- Exhibit a farm scene display 24" x 36" built on a rigid wood (i.e. plywood). This division will be limited to field tilling and/or planting (example: toy plow, disc, or planter, or die cast vehicles, etc.). Roads, lanes, trees, fence rows, and back drop may be used to set off field or fields. NO ponds, creeks, or other accessories. NO ANIMALS MAY BE USED.

Division 2 (Grades 5-6) -- Exhibit a farm scene display 24" x 48" built on a rigid wood (i.e. plywood). This division may use everything in Division 1 PLUS may show any type of fieldwork (tilling or crop harvesting). Roads, lanes, trees, fence rows, back drop, and animals may be used. Also, may have ponds, creeks, railroad tracks, and any other accessories EXCEPT NO buildings.

Division 3 (Grades 7-9) -- Exhibit a farm scene display 24" x 48" built on a rigid wood (i.e. plywood). This level is open to create any type of farm that may use everything in Divisions 1 and 2 PLUS may have buildings. Example: farmstead buildings, grain handling equipment, field work, and harvesting.

Division 4 (Grades 10-12) -- Exhibit a display that is a minimum of 24" x 24" to a maximum of 48" x 48" on a rigid wood (i.e. plywood). Display must be an agricultural display of items other than farmstead or farm tillage. Examples for this advanced project might include livestock auction, farm equipment dealership, agriculture education event, agriculture field day, and other imaginative displays.

Fine Arts**Description:**

Allows youth to learn life skills and grow in project knowledge while expressing creativity through painting and drawing.

State Fair Entries:

2 entries per county as determined by the county 4-H educator and fair officials.

Exhibit Guidelines:

All arts and craft exhibits must include a 4-H Craft Information Card, 4-H 618A. This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

Oil, charcoal, pastels, pencil, ink, acrylic, watercolor or similar artistic work can be displayed on canvas, canvas board, or paper. All work must be framed as a picture and prepared for hanging. Canvas art on a wooden frame is considered prepared for hanging provided that frame has a hanger.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create and exhibit one age/grade appropriate artwork.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate artwork.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate artwork.

***Gift Wrapping**

Requirements

- Package for exhibit purposes should not contain a gift
- Packages are not to exceed 24 inches in any direction for any division
- Exhibits using purchased bows will not be accepted. Bows must be self-made
- Tape a card with name, age, club, occasion and age of receiver on the package.

Division 1 (Grades 3-5)

Grade 3 – One rectangular package (shirt box) using a self-made bow and commercial wrapping paper

Grade 4 – One cubic (six equal square sides) package using a self-made bow and commercial wrapping paper

Grade 5 – One small box suitable for a ring or pin using a self-made bow and commercial wrapping paper

Division 2 (Grades 6-8)

Grade 6 – one cylindrical package, using a self-made bow or other decorations and commercial wrapping paper

Grade 7 – one package with top and bottom of box/container wrapped separately and properly folded liner inside. Use self-made bows or other decorations and commercial wrapping paper. Box will be opened by judge.

Grade 8 – A series of two or three packages in a tiered effect coordinated as one complete package. For example: 3 stacked cylinders, 2 rectangular boxes, 1 box and 2 cylinders, etc., each wrapped individually. The tier must be securely tied or fastened together in such a way so that the individual packages will not move easily in the tier. Use self-made bows or other decorations and commercial wrapping paper.

Division 3 (Grades 9-12) (choose one of the following exhibits. These categories can be done in any order. Choose a different category each year you are in the advanced level).

- One package wrapped in materials other than wrapping paper. The outside wrapping materials must be part of the gift item. For example: Dish towels, scarf, baby blanket, diapers, etc. The materials must be wrapped around some sort of box or container that would conceal or enclose the rest of the gift item. Do not put the rest of the gift in the box or container.

- One creative exhibit of any shape that has been covered in some fashion. Your outside decorations and/or wrapping are not a part of the gift. The package does not have to be a box, but a container that would conceal or enclose a gift item. The container should be covered in some fashion such as fabric, paper, cardboard, foil, plastic, leather, cellophane, etc. Do not use commercial wrapping paper. You do not need to have bows if they are not in keeping with the design of your package. Be as creative as you can be, have a theme.
- One decorated or disguised display which is the gift. The actual gift item is decorated or disguised in some way. For example: a clothes basket made to look like a jack-o-lantern, a jar of preserves made to look like Santa, and umbrella made to look like a tree, etc. Or the actual gift item can be folded or arranged in some way that is a package in itself. For example: Bath towels folded to look like a wedding cake, a table cloth folded in a bag with barbecue tools or kitchen items inside, baby blanket folded into a bunny with baby items inside, etc. All items used in the display must be part of the gift.
- One self-made gift bag. Do not use commercial wrapping paper. Examples of some materials to use: Construction paper, grocery bag paper, wall paper, fabric, etc. Gift bag may or may not be decorated depending on the materials used.
- One package of any size wrapped only in self-made decorations and paper. This category is different from the creative exhibit above in that you must use some sort of paper to put your own creative design on such as roller painting, stenciling, puling, potato printing, spin art, etc. Use a self-made bow or other decoration. This category will be judged on the neatness and creativity of paper design along with the proper wrapping.

Models

Description:

Allows youth to learn life skills and grow in project knowledge while expressing creativity when building a model.

State Fair Entries:

2 entries per county as determined by the county 4-H educator and fair officials.

Exhibit Guidelines:

All arts and craft exhibits must include a 4-H Craft Information Card, 4-H 618A. This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

If multiple pieces make up the exhibit, a photograph of the complete exhibit should be attached to the exhibit so the total exhibit can properly be displayed. For safety purposes any craft exhibit that resembles a sword, knife, or look-a-like weapon will be judged but will not be displayed.

Exhibits must be a small scale replica made of injected styrene plastics with approximately 25% of the surface painted. Wood, paper, clay die-cast, or snap together models are not permitted. Screws and pre-painted or pre-decaled factory models are not permitted. Exhibits made from building blocks (Lego) are not permitted.

If the model is being built from a kit, include a copy of the instructions with the information card. Original instructions should be kept by the exhibitor in a safe location at home.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create and exhibit one age/grade appropriate model.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate model.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate model.

Needle Craft (hand work)

Description:

Allows youth to learn life skills and grow in project knowledge while expressing creativity in needle crafts.

State Fair Entries:

2 entries per county as determined by the county 4-H educator and fair officials.

Exhibit Guidelines:

All arts and craft exhibits must include a 4-H Craft Information Card, 4-H 618A. This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

Hand crafted knitting, embroidery, crocheting, needlepoint, crewel, candle wicking, chicken scratching, hand quilting, tatting, huck embroidery, and hemstitching are suggested exhibits. Entries may also include pulled, drawn and counted thread work and punch needle work. Needle craft exhibits do not include latch hook, plastic canvas, machine knitting, machine quilting, or arm knitting/crocheting.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create and exhibit one age/grade appropriate needle craft.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate needle craft.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate needle craft.

Manual
(none)

Record Sheet
4-H 618

Craft Information Card
4-H 618a-W

BEEKEEPING

Create an exhibit that shows the public what you learned in the beekeeping project this year. Posters are to be displayed horizontally, sized 22" x 28", mounted on a firm backing (foam-core board or other), and covered in clear plastic or other 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 also use a creative sub-title if you wish.

Notes:

- There are no age specifications for beekeeping exhibits.
- No bee hives may be brought to the 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 specifically 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.

Division 1: (may do 1 to 2 years) –

Present one of the following topics on a poster, as specified above.

1. Flowers Used to Make Honey – display pressed flowers from ten (10) different Indiana 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 to 2 years) –

Exhibit one of the following:

1. Extracted honey – 2 one-pound jars, shown in glass or clear plastic, screw-top jars holding 1 pound of honey 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) –

Exhibit two of the four kinds of honey listed below.

1. Extracted Honey - 2 one-pound jars (glass or clear plastic)
2. Chunk Honey (comb in jar) - 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 built by bees in frames of wood commonly called "sections". Boxes are usually 4 ½" X 4 ½" in size).
5. Prepare an educational display about honey bees or beekeeping.

Independent Study: Grades 9-12

- 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.”
- 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.”

State Fair Project – One exhibit from division 1 will be selected for the state fair. There is no limit on the number of exhibits the county may enter in division 2 or 3, but only 1 exhibit per 4-H member is allowed. One exhibit from independent study will be selected for the state fair.

Manual

Div. 1 – 4-H 571-W
Div. 2 – 4-H 586-W
Adv. – 4-H 593-W

Record Sheet

4-H 571 A-W
4-H 586 A-W
4-H 593 A-W

CAKE DECORATING

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 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.

Specific 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 12"x12". A minimum of five 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.

Intermediate Level (Grades 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"x17" 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.

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, gum, and sugar 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.

Manual

Building Buttercream Skills 4-H-1053 (Beginner Level)

Flowers & Cake Design 4-H-1054 (Intermediate Level)

Fondant & Gum Paste 4-H-1055 (Advanced Level)

Record Sheet

4-H 710A-W

Cake Decorating Exhibit Skills Sheet

4-H 710

CAT

A poster relating to your cat and one of the topics in your manual will be exhibited at the Fair. Exhibits must be an educational display on a 22"x28" poster. The following suggestions are ideas for development of educational cat posters. 4-H members need not be limited by or to just these mentioned topics.

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 goodbye.

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.

State Fair – One poster from each level. Washington County does not have a live cat show, but any 4-H member interested in participating in the state show should check with the Extension Office for entry information which must be sent in by July 1.

Manual

Level 1 –BU 8148

Level 2 –BU 8149

Level 3 –BU 8150

Record Sheet

4-H 528 (W) General – All Levels

CHILD DEVELOPMENT

Level A (Grades 3-4)

Choose one of the following to exhibit.

1. 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.
2. Create a display no larger than 36 x 36 x 36 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 of the manual. Use a 5 x 8 index card or larger cardstock to create your card.

Level B (Grades 5-6)

Choose one of the following to exhibit.

1. 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.
2. Create a display no larger than 36 x 36 x 36 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 of the manual. Use a 5 x 8 index card or larger cardstock to create your card.

Level C (Grades 7-9)

Choose one of the following to exhibit.

1. 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.
2. Display a binder notebook that includes the information from one activity you completed this year.
3. 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 of the manual. Use a 5 x 8 index card or larger cardstock to create your card.

Level D (Grades 10-12)

Choose one of the following to exhibit.

1. 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.
2. Display a binder notebook that includes the information based on one of the activities you completed this year.
3. 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 of the manual. Use a 5 x 8 index card or larger cardstock to create your card.

Here are details for each exhibit option:

Poster:

- 22” x 28” poster board displayed horizontally
- Stiff backing with clear plastic covering
- Identification label in lower right corner of poster giving name of 4-H member, club, grade, and year in project.

Binder Notebook:

- Identification label on front of binder giving name of 4-H member, club, grade, and year in project.
- Title page inside binder naming activity (or activities in Level C & D)
 - Pages of activity and explanation to follow title page.
 - 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" x 36" x 36" (Display may include item(s) made in the activities you complete this year.)
- Must be self-supporting to be viewed by the public

State Fair -- One exhibit per level.

Manual

Level A - 4-H 973
Level B - 4-H 974
Level C - 4-H 975
Level D - 4-H 976

Record Sheet

4-H 973 A-W
4-H 974 A-W
4-H 975 A-W
4-H 976 A-W

*COLLECTIONS

NOTE: The Collections Inventory Sheet must be ATTACHED to your collections project.

1. All 4-H Collections must stay within the maximum size limit:
Maximum box size - 18" x 24"
Maximum poster size - 22" x 28"
One notebook
2. Items must be easily identified or labeled correctly and neatly. If an item can be easily identified on the collection sheet, an additional label is not necessary. For example, state magnets that have the name of the state on the magnet would not need additional labels, but an arrowhead collection would need additional labels because the arrowheads do not come with their own label.
3. The Washington County 4-H Council, County Extension Office and/or the Wash. Co. Fair Board are not responsible for theft or breakage, therefore discretion should be used in selection of Collections exhibit.
4. Exhibits will be divided into the following grade groups: Level 1 (grades 3-5), Level 2 (grades 6-8), & Level 3 (grades 9-12).

ALL YEARS ---- Exhibit a display of items you have collected. Do a different collection the next year or do a continuation of the last collection. If doing a continuation of the last collection, your exhibit for the fair must include some items that were not included in past fair exhibits. All items must be easily identified or labeled.

No State Fair Entry.

Manual
4-H 1001

Record Sheet
4-H 1002

Other Resources
4-H 1032 – Inventory Sheet

COMMUNICATIONS

Description:

The communications project teaches verbal and non-verbal communication and presentation skills.

State Fair Entries:

Demonstration – 3 junior individuals, 3 senior individuals, 3 junior teams and 3 senior teams per county.

Informative 4-H Presentation – 3 junior individuals, 3 senior individuals.

Professional Persuasive Presentation – 3 junior, 3 senior, 3 junior teams and 3 senior teams per county per county.

Public Speaking – 3 junior and 3 senior per county.

Creative Writing – 3 exhibits per county, one per level.

Exhibit Guidelines:

Effective communications drives all aspects of day-to-day life. Youth are to learn about the process of communication, to learn about different modes of communication and to strengthen their own communication skills. As you explore the world of communication and the manuals, you will enjoy learning more about yourself and others. Youth completing this project are expected to participate in a variety of experiences allowing them to develop communication skills rather than create an exhibit to be displayed at the county or state fair.

A series of 4-H manuals is available with activities designed to develop communication skills at a specific grade level. Module 1 is for Beginner Level youth in grades 3-5. Module 2 is for Intermediate Level youth in grades 6-8. Module 3 is for Advanced Level youth in grades 9-12. Suggested activities to develop communication skills include:

- Complete an activity from the grade appropriate manual.
- Give a demonstration or presentation at a club meeting.
- Participate in a verbal communication event. See verbal communication section below.
- Submit a news release to local news media about a 4-H event or topic.
- Participate in a radio interview.
- Present information about 4-H to a civic organization or similar group.
- Participate in the Indiana 4-H Spread the News workshop (Grades 9-12).
- Participate as an actor in a community theater.
- Other activities that demonstrate communication skill development.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Verbal Communication Events

The following verbal communication events and activities are offered to 4-H members as a way to teach presentation and public speaking skill development. They are often used in 4-H meetings, and a county 4-H youth development program may choose to offer these as competitive events. The demonstration, informative presentation, professional persuasive presentation and public speaking are competitive events at Indiana State Fair.

The following apply to all state fair communication events:

- Members may use a PowerPoint, Prezi, or other digital presentation, signs, and other props that will enhance their presentation when giving their how-to demonstration to the audience from a stage or stage-like setting.
- If digital media will be used to enhance the presentation, contestants are encouraged to provide their own laptop computer. If the laptop is not equipped with a standard HDMI external video connection, the contestant will need to supply an appropriate adapter. While a standard PC laptop will be available, the quality and compatibility of the digital media cannot be guaranteed as PowerPoint will be the only digital media available at state fair.
- Live animals are not permitted at state fair.
- There is no interaction with the audience.
- Questions may be asked of the contestants by the judges following the presentation.
- Events that have a team category, it is for two (2) people and will be determined by the highest grade level of any member of that team. If a team is awarded the State Fair Achievement Trip, only those team members in grades 9-12 will be permitted to attend the trip.
- The State Fair Achievement Trip may be awarded in each event to a maximum of the top three (3) blue merit senior individual members and top (1) blue merit senior team at the discretion of the judges. Trip winners must be of blue merit quality.

Refer to the Indiana State Fair 4-H handbook for the date, time, and location of each event. Check with your county extension educator for information about entering these events.

Demonstration

- All 4-H members are encouraged to present a demonstration at their club or county level.
- This contest allows the 4-H member to show the audience step-by-step procedures how-to-do something related to any 4-H project.
- Examples of a demonstration include how to take a prize winning photograph, how to give an intramuscular antibiotic injection or shot, how to design a mini-barn blueprint, how to construct a garment, how to develop a wildlife rehabilitation plan, how to treat a cat for fleas, etc.
- Junior members (grades 3-8) have 5-7 minutes to present their demonstration, while senior members (grades 9-12) will present their demonstration in 5-10 minutes.
- Categories will be Junior Individual, Senior Individual, Junior Team, and Senior Team.

Informative 4-H Presentation

- This contest allows the 4-H member to present a topic of their choice related to a 4-H event, project, or activity to the audience.
- Examples of an informative 4-H presentation include the benefits of attending 4-H Round-Up, State 4-H Junior Leader Conference, 4-H Academy, or Citizenship Washington Focus; the impact of a community service project on the 4-H members involved and their community; why a family should enroll their children in 4-H; how 4-H prepares a young person for the workforce or college, etc.
- Junior members (grades 3-8) have 5-7 minutes to present their informative presentation, while senior members (grades 9-12) will present their informative presentation in 5-10 minutes.
- Categories will be Junior Individual and Senior Individual.

Professional Persuasive Presentation

- Contestants will be required to research a public issue in their community, collect data showing how this issue is or could affect their community, formulate a plan to address this issue, and present it in a professional manner using electronic digital media such as PowerPoint, Prezi, etc.
- Contestants are to submit two (2) sets of accompanying handouts at registration. These handouts will be provided to the judges.
- It is suggested that youth practice by presenting their professional presentation to service clubs, 4-H council or fair board, government officials, or other boards.
- Examples of public issues could be the lack of accessibility to trails or public parks, congested traffic locations, public health issues, impoverished neighborhoods, school dropout rates, the size of farm machinery outgrowing the size of roads, etc.
- Junior members (grades 3-8) will present in 5-7 minutes and senior members (grades 9-12) will present their professional presentation in 5-10 minutes.
- Categories will be Junior Individual, Senior Individual, Junior Team and Senior Team.

Public Speaking

- This contest allows the 4-H member to give their prepared speech to an audience from a stage or stage-like setting.
- Props, signs, and PowerPoint presentations are not permitted.
- The topic can be of the 4-H member's choice.
- Junior members (grades 3-8) have 3-5 minutes to give their speech while senior members (grades 9-12) will give their speech in 5-7 minutes.

Creative Writing

- This exhibit allows youth to express creativity while developing writing skills. Examples include a story, autobiography, biography, essay, journal entry, poetry, children's story, and more. Writing must be authored by the 4-H member and can be fiction or non-fiction.
- Exhibits are to be displayed in a notebook or binder appropriately labeled on the front with the title, 4-H member's name, grade in school, club and county. The notebook or binder is to include a title page and authored work. A bibliography giving credit to sources is to be included with any research article.
- Work can be handwritten or typewritten.
- Illustrations or photos may be included to enhance the writing.
- Writing should not include excessive blood, gore, violence or sexual themes and must be appropriate for all ages to read.

Creative Writing Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Create and exhibit one age/grade appropriate item. While length or word count is not required, one-page or 250 words is appropriate for most beginners.

Intermediate (grades 6-8 suggested)

Create and exhibit one age/grade appropriate item. While length or word count is not required, two-page or 500 words is appropriate for most intermediate members.

Advanced (grades 9-12 suggested)

Create and exhibit one age/grade appropriate item. While length or word count is not required, more than three pages or more than 750 words is appropriate for most advanced members.

Manual

Beg. – BU-1508F

Int. – BU-1509F

Adv. – BU-1510F

Record Sheet

4-H 528 General

COMPUTER SCIENCE

Description:

The 4-H computer science project is designed for youth to engage in an interactive project to learn all levels of familiarity with computers.

State Fair Entries:

3 per county; one per level.

Exhibit Guidelines:

There are three exhibit grade level divisions; Grades 3-5, Beginner; Grades 6-8, Intermediate; and Grades 9-12, Advanced. Exhibits are to be skill appropriate for the member's grade level.

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 and display board exhibits are permissible. Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff. 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
- Robotics

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.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

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 skill

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:
 - 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
- Cyber Security
 - Ethics and Society
 - Security Principles
 - Classic Cryptography
 - Malicious Software
 - Physical Security
 - 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:
 - 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
- Cyber Security
 - Ethics and Society
 - Security Principles
 - Classic Cryptography
 - Malicious Software
 - Physical Security
 - Web Security
- Any other similar topic

Hardware 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.

Robotics

Suggested exhibits include, but are not limited to, a notebook including a printout of code with requirements marked, a flowchart showing how the robot works, images of the robot being built and the final robot in action, a video, a live demonstration, or other applicable exhibits.

Beginner – Grades 3-5

- Create a flowchart
- Build a robot
 - Use block based program to operate
 - Sequential programs
 - Events at beginning
 - Use at least one basic sensor

Intermediate – Grades 6-8

- Create a flowchart with sub-routines
- Include at least two sensors in robot
- Use at least three events in code
- Create 2 loops in code
- Operation of robot should be smooth

Advanced – Grades 9-12 - Above guidelines plus:

- Use text based language
- Use advanced logic including
 - Multiple (three or more) events
 - Multiple (three or more) loops
 - At least three sub routines
 - Special consideration if robot is not a kit

Manual

Computer Science & Programming With Scratch

Level 1 – BU-1606Y

Level 2 – BU-1801Y

Level 3 – BU-1802Y

Record Sheet

4-H 528-W (General Record Sheet) all levels

CONSUMER CLOTHING

This project is designed to teach clothing selection, wardrobe planning, care of clothing and personal grooming.

State Fair Entries:

- 3 Notebooks per county, no clothing; one per level.
- 1 advanced level per county to model in state fair fashion revue.

Exhibit Guidelines:

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 way references are listed.

The front of the notebook is to include the 4-H member's name, county, club, and level. Personal information such as phone number, mailing address, etc. should not be included in any notebook documentation.

Youth will be expected to model their purchased outfit and accessories at the county level. Modeling at state fair is limited to only the advanced level and will be judged separate from the notebook.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Beginner (grades 3-5 suggested)

Complete one activity from each group in the manual and share your results or answers in a notebook, labeling each activity. With help from a parent or mentor, purchase an item of clothing that you'll wear with other clothes in your wardrobe. Examples might be slacks, blouse, jeans, shirt, sweater, or sweatshirt. Choose an accessory to go with your purchase. Accessories could be shoes, sweatband, belt, jewelry, socks or similar item.

Intermediate (grades 6-8 suggested)

Complete one activity from each group in the manual and share your results or answers in a notebook, labeling each activity. Purchase and accessorize a casual or school outfit. Accessories may be purchased or selected from what you currently have.

Advanced (grades 9-12 suggested)

Complete one activity from each group in the manual, or similar activity of choice and share your results or answers in a notebook, labeling each activity. If completing an activity not included in the manual, be sure to include in your notebook an explanation describing how the activity was developed and intended objectives. Purchase and accessorize an outfit of your choice. Accessories may be purchased or selected from what you currently have.

Special note regarding Indiana State Fair – In addition to the advanced consumer clothing state fair entry submitting their notebook for evaluation, the exhibitor will also be invited to model their purchased outfit in fashion revue. The notebook and modeling will be judged independently and one will not have any consideration for the other at state fair.

Manual

Beginner 4-H 730
Intermediate 4-H 731
Advanced 4-H 732

Record Sheet

4-H 751 W (All levels)

CREATIVE AND EXPRESSIVE ARTS

CATEGORIES:

***ACHIEVEMENT**

The Achievement Project is designed to help 4-H members keep a record of their 4-H skills and accomplishments.

Grades 3-6

Exhibit the following:

- Demographic Page
- Answer to Achievement Questions – Up to 2 pages – fronts only
- Exhibit may be typed or handwritten
- For exhibit purposes you may put in a light weight folder. Do not use a three ring binder or page protectors.

Grades 7-12

Exhibit the following:

- Demographic Page
- Cover Letter and Resume highlighting your life skills. The resume should be no longer than 2 pages and focused on a designated category. Category choices include Achievement, Agriculture, Beef, Citizenship, Communications, Dairy Cattle, Electric, Expressive Arts, Foods and Nutrition, Home Management, Horse & Pony, Horticulture, Junior Leaders, Leadership, Mechanical Science, Natural Resources, Photography, Poultry, Public Speaking/Demonstrations, Purdue College of Agriculture Leadership, Purdue Department of Horticulture & Landscape Architecture, Rabbit, Sewing/Fashion Revue, Sheep, Small Animals, Swine, Veterinary Science, and Wood Science.
- For exhibit purposes you may put in a light weight folder. Do not use page protectors and do not put in a three ring binder.

Youth in grades 10-12 are eligible for State Scholarship Competition. Update cover letter, resume, demographic page, and turn in to the Extension Office by January 15th.

Manual

4-H 1079

Record Sheet

4-H 1080

Other Resources

4-H Scholarship Packet

*** CREATIVE WRITING**

You will exhibit your project in a three-ring binder. Your pages can be hole punched or inserted in plastic sheet covers. The exhibit must have a title page and be hand written in black ink or typed. Typed entries should be double-spaced. No written project to exceed 3000 words. Title page should include title, author, date, project, category, grade in school, and club. All work should be original and written since the previous year's county fair.

Exhibit one of the following:	Level 1	Level 2	Level 3
Categories	Grades 3-5	Grades 6-8	Grades 9-12
Poem	5-10 lines	35-100 lines	50-200 lines
Comic Strip	1	2	3
Prose*	50-1000 words	600-2500 words	1300-3000 words
Dramatic Script (Play)	5-15 min.	15-30 min.	30-45 min.

*Prose: Exhibit is a story (fiction or nonfiction), autobiography, biography, children’s story, essay, journal or any other prose piece.

After you have finished your poem, story, or your project, go back and correct any misspelled words, and check your punctuation and capitalization. Reprint after making corrections.

It is recommended to make a copy of your project for safekeeping since your exhibit will be handled and read by many people during the fair.

Manual
4-H 1077

Record Sheet
4-H 1078

***PERFORMING ARTS**

Performing Arts is an expression of whatever talent you may have. The title of this project may be deceiving because of the various area in which you may display your talents are:

DIVISIONS:

- | | |
|------------------------|---------------------|
| (1) Vocal Solo | (6) Dance Group |
| (2) Vocal Group | (7) Novelty Solo |
| (3) Instrumental Solo | (8) Novelty Group |
| (4) Instrumental Group | (9) Tumbling Solo |
| (5) Dance Solo | (10) Tumbling Group |

To compete in this project area, you must participate in the prejudging before the fair and in the 4-H Talent Contest during 4-H night at the fair and fill out a general record sheet, to be turned in with your green record book at project check-in.

Scoring – based on the following criteria:

- a) **Personality & Poise**.....10 points possible
(Confidence, Smile, Showmanship)
- b) **Execution & Originality**.....10 points possible
(Body Lines, Correct Technique, Balance, Projection)
- c) **Rhythm & Sound**.....10 points possible
(Timing-Style, Musical Range, Choice of Music)
- d) **Costume**.....10 points possible
(Appropriate, Fit, Appearance)
- e) **General Impression**.....10 points possible
(Difficulty, Effect)

Rules & Responsibilities for Contestants

1. Contest is open to non-professionals only. Professional is defined as anyone who is a union member, has a professional manager, or whose principal and/or supporting income is derived from performing.
2. A contestant may enter only once in any one category.
3. A performer may enter in **ONE** category.
4. Each act will be allowed a total of 5 minutes performing time. An official timer will be present at each contest. Ten penalty points will be deducted from the score of any act that exceeds the 5-minute time limit.
5. Baton twirlers or similar acts using batons or machetes will not be accepted. No fire will be allowed.
6. No recorder or tape with vocal utterance may be used for accompaniment by a contestant entered in any vocal category.

Entries

The following is a list of divisions and a description of each. These are used as guidelines and are subject to interpretation by the Event Judge.

Vocal Solo – Shall consist of a solo performance by a vocalist. Instrumental accompaniment by herself/himself or others is allowed, but must assume the pure character of accompaniment. The test shall be whether the performance would stand alone if the accompaniment were removed. No voice or voices of record or tape with vocal utterance may be used for accompaniment.

Vocal Group – Shall consist of two or more vocalists. Instrumental accompaniment by themselves or others is allowed, but must assume the pure character of accompaniment. No voice or voices or tape with vocal utterance may be used for accompaniment.

Instrumental Solo – Shall consist of a solo instrumental performance without vocal utterance. Accompaniment is allowed, but must assume the pure character of accompaniment. The test shall be whether the solo performance would stand alone if the accompaniment were removed. No instrument of the same nature may be used for accompaniment.

Instrumental Group – Shall consist of two or more instrumentalists without vocal utterance. Accompaniment is allowed, but must assume the pure character of standalone if the accompaniment were removed. No instrument of the same nature may be used for accompaniment.

Dance Solo – Shall consist of a performance by a dancer. Accompanists are permitted on stage, but must not assume visual importance in the performance. Acrobatics (with a limit of 2 tricks), ballet or pointe, and clogging will be judged in this category.

Dance Group – Shall consist of a performance by two or more dancers, male and/or female. Accompanists are permitted on stage, but must not assume visual importance in the performance. Acrobatics (with a limit of two tricks), ballet or pointe, and clogging will be judged in this category.

Novelty Solo – Shall consist of a performance in any act that has not been previously described (such as comedians, mime, skits, etc.). This category will include acts using a combination of skills from two different categories where one skill does not stand alone (such as singing and dancing, playing an instrument and singing, lip-synching and dancing, etc.).

Tumbling Solo – Shall consist of a solo performance by tumbler. This category was created for the Dance Routines that incorporate more than two acrobatic tricks.

Tumbling Group – Shall consist of two or more tumblers. This category is for Group Dance Routines that incorporate more than two acrobatic tricks.

State Fair Project - 2 Fine Arts, 2 Needle Crafts, and 5 Basic Crafts will be sent to the State Fair. Attach to project 4-H Craft Information Card.

Manual

None

Record Sheet

4-H 618 W

Other Resources

618A-W 4-H Craft Information Card

*** SCRAPBOOKING**

Attach to project 4-H 618A-W 4-H Craft Information Card for description of work completed on the project.

Level A (Grades 3-4): Exhibit one 2-page spread that includes:

- A) Title with theme
- B) Cropped pictures – every picture does not have to be cropped.
- C) At least one enhancement. Enhancements includes: stickers, die cuts, decorative paper, and stamping.
- D) Journaling – who, what, when, and where. Handwritten or typed is allowed.
- E) Pages may be 12"x12" or 8 ½" x 11".
- F) All supplies should be acid/lignin free.
- G) Pages should be displayed in a three ring binder or an album.
- H) All pages must have page protectors.
- I) The pages to be judged should be "flagged" with sticky note paper. If you do not indicate the pages you wish to be judged, the judge will do pages 1-2.
- J) All other basic requirements and exhibit rules should be met. Read through the entire manual.

Level B (Grades 5-6): Exhibit 3 completed scrapbook pages (6 completed sides) that include:

- A) At least one 2-page spread that has a themed title.
- B) Cropped pictures – every picture does not have to be cropped.
- C) At least one enhancement per page. Enhancements includes: stickers, die cuts, decorative paper, and stamping.
- D) At least one scrapbooking technique within the 6 pages. Technique includes: corner rounding, cutting with decorative scissors, using templates, cutting pictures with irregular shapes (such as stars or hexagons), and matting photos.
- E) Journaling should include labeling of photos with names, dates, places, etc. plus capturing your memories with captions or words recording the happenings of the photos. Handwritten or typed is allowed.
- F) Pages may be 12"x12" or 8 ½" x 11".
- G) All supplies should be acid/lignin free.
- H) Pages should be exhibited in an album with a front and back cover with pages firmly attached between the covers.
- I) All pages must have page protectors.
- J) The album should contain 3 pages front and back, for a total of 6 sides. All pages should have been completed since last year's fair. Incomplete or unfinished pages will not be eligible for judging or count toward your 6 side total.
- K) The pages to be judged should be "flagged" with sticky note paper. If you do not indicate the pages you wish to be judged, the judge will do pages 1-6.
- L) Other basic requirements and exhibit rules should be met. Read through the entire manual.

Level C (Grades 7-9): Exhibit 5 completed scrapbook pages (10 completed sides) that include:

- A) At least two 2-page spreads that have a themed title on each double spread page.
- B) Cropped pictures – every picture does not have to be cropped.
- C) At least one side of the 10 completed sides should contain memorabilia (postcards, brochures, program, invitation, etc.)
- D) At least one enhancement per page. Enhancements includes: stickers, die cuts, decorative paper, rubber stamps, drawing, using pocket pages for memorabilia, and ruled pages.
- E) At least two scrapbooking techniques within the 10 sides. Technique includes: corner rounding, cutting with decorative scissors, using templates, cutting pictures with irregular shapes (such as stars or hexagons), and matting photos.
- F) Journaling should include labeling of photos with names, dates, places, etc. plus capturing your memories with captions or words recording the happenings of the photos. Handwritten or typed is allowed.
- G) Pages may be 12"x12" or 8 ½" x 11".
- H) All supplies should be acid/lignin free.
- I) The pages should be exhibited in an album with a front and back cover with pages firmly attached between the covers.
- J) All pages must have page protectors.
- K) The album should contain 5 pages front and back, for a total of 10 sides. All pages should have been completed since last year's fair. Incomplete or unfinished pages will not be eligible for judging or count toward your 10 side total.
- L) The pages to be judged should be "flagged" with sticky note paper. If you do not indicate the pages you wish to be judged, the judge will do pages 1-10.
- M) Other basic requirements and exhibit rules should be met. Read through the entire manual.

Level D (Grades 10-12): Exhibit 8 completed scrapbook pages (16 completed sides) that include:

- A) At least three 2-page spreads that have a themed title on each double spread page.
- B) Cropped pictures – every picture does not have to be cropped.
- C) At least two sides of the 16 completed sides should contain memorabilia (postcards, brochures, program, invitation, etc.)
- D) At least one enhancement per page. Enhancements includes: stickers, die cuts, decorative paper, rubber stamps, drawing, using pocket pages for memorabilia, and ruled pages.
- E) At least three scrapbooking techniques within the 16 sides. Technique includes: corner rounding, cutting with decorative scissors, using templates, cutting pictures with irregular shapes (such as stars or hexagons), and matting photos.
- F) Journaling should include labeling of photos with names, dates, places, etc. plus capturing your memories with captions or words recording the happenings of the photos. Hand written or typed is allowed.
- G) Pages may be 12"x12" or 8 ½" x 11".
- H) All supplies should be acid/lignin free.
- I) The pages should be exhibited in an album with a front and back cover with pages firmly attached between the covers.
- J) All pages must have page protectors.
- K) The album should contain 8 pages front and back, for a total of 16 sides. All pages should have been completed since last year's fair. Incomplete or unfinished pages will not be eligible for judging or count toward your 16 side total.

- L) The pages to be judged should be “flagged” with sticky note paper. If you do not indicate the pages you wish to be judged, the judge will do pages 1-16.
- M) Other basic requirements and exhibit rules should be met. Read through the entire manual.

State Fair – The Grand Champion will be eligible for the State Fair as a craft entry.

Manual

Level A 4-H 1071
Level B 4-H 1072
Level C 4-H 1073
Level D 4-H 1074

Record Sheet

4-H 1075 – All Levels

4-H Craft Information Card

4-H 618A-W

*CROPS

CORN

Exhibit Introduction

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.

Requirements

***Level: Beginner (3-4)**

Project Completion Recommendations

1. Plan your project year.
2. Grow a plot of corn.
3. Complete at least four of the activities presented.
4. Make an exhibit from one of the project activities you selected.
5. Complete "Crops Projects Record Sheet" (first page only.)

Exhibit

- A poster, display board, or notebook on a subject in the manual **or**
- 3 stalks of corn (with ears) – include roots with dirt washed off. Provide bucket of water to stand plants in.

***Level: Intermediate (Grade 5-6-7)**

Project Completion Recommendations

1. Plan your project year.
2. Grow a large plot of corn.
3. Complete at least five of the activities presented.
4. Make an exhibit from one of the project activities you selected.
5. Complete "Crops Projects Record Sheet."

Exhibit

- A poster, display board, or notebook on a subject in the manual **or**
- 3 stalks of corn (with ears) – include roots with dirt washed off. Provide bucket of water to stand plants in.

***Level: Advanced (Grade 8-9-10-11-12)**

Project Completion Recommendations

1. Plan your project year.
2. Grow a large plot of corn.
3. Complete at least seven activities presented.
4. Make an exhibit from one of the project activities you selected.
5. Complete "Crops Projects Record Sheet."

Exhibit

- A poster, display board, or notebook on a subject in the manual **or**
- 3 stalks of corn (with ears) – include roots with dirt washed off. Provide bucket of water to stand plants in.

Manual

Beginner – 4-H-672
Intermediate – 4-H-673
Advanced – 4-H-674

Record Sheet

4-H 626-W
4-H 626-W
4-H 626-W

Resources**HAY****Level: Division 1** (first year)

1. Grow not less than one acre of hay.
2. Each member shall answer questions on his project experiences.
3. Complete your record sheet.

Level: Division 2 and above

1. Increase acreage as home conditions justify.
2. Complete your record sheet.
3. Have soil tested and follow fertilization recommendations.

Exhibit

Exhibit a section (14"x 18"x 3-5") of hay. The hay is to be wrapped in clear plastic with a hole left in the center.

Manual

(none)

Record Sheet

4-H 626-W

Resources**SOYBEANS**

What is in it for me?

The Soybean project introduces you to one of Indiana's major crops, the soybean through fun experiences and hands-on projects.

What can I learn?

You will learn about selecting soybean varieties, planting soybeans, uses for soybeans and harvesting soybeans.

Exhibit Introduction

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.

Requirements**Level: Division 1** (First Year)

Project Completion Recommendations

1. Complete three of the following activities: 1, 2, 3 or 13 in the 4-H Soybean Manual.
2. Keep accurate records using the 4-H Crops Record.

Exhibit

- Exhibit on "Germination of The Soybean," or "Using The Soybean," or
- one peck of soybeans or 5 plants with roots, wrapped in clear cellophane

Level: Division 2 (Second Year)

Project Completion Recommendations

1. Complete two of the following activities: 4, 7 or 14 in the 4-H Soybean Manual.
2. Keep accurate records using the 4-H Crops Record

Exhibit

- Exhibit on "The Effects of Light and Darkness on Flowering," or "Soybean Plant Nutrient Deficiencies," or "Preparing Soybeans for Home Use," or
- one peck of soybeans or 5 plants with roots, wrapped in clear cellophane

Level: Division 3 (Third Year)

Project Completion Recommendations

1. Complete two of the following activities: 5, 6, or 14 in the 4-H Soybean Manual.
2. Keep accurate records using the 4-H Crops Record.

Exhibit

- Exhibit on "Differences In Flowering among Soybean Varieties," or "How Planting Dates Affect Soybean Yields," or "Preparing Soybeans for Home Use," or
- one peck of soybeans or 5 plants with roots, wrapped in clear cellophane

Level: Division 4 (Fourth Year)

Project Completion Recommendations

1. Complete the following activities: 9, 10, 11 and 12 in the Soybean Manual.
2. Keep accurate records using the 4-H Crops Record.

Exhibit

- Exhibit on "Soybean Herbicide Survey," or "Soybean Insect Study," or "Soybean Disease Study," or "Measuring Soybean Harvest Losses," or
- one peck of soybeans or 5 plants with roots, wrapped in clear cellophane

Level: Division 5 and advanced (Fifth year and beyond)

Project Completion Recommendations

Grow at least five acres of soybeans using cultural practices described in current agronomy (AY) publications. These are available in your County Extension Office.

1. Keep accurate records using the 4-H Crops Record.

Exhibit

- one peck of soybeans or 5 plants with roots, wrapped in clear cellophane

Manual

4-H-209W (all divisions)

Record Sheet

4-H 626-W

Resources

TOBACCO

Complete the crops record sheet. Exhibit 1 potted plant with roots (all divisions).

Manual
(none)

Record Sheet
4-H 626-W

Resources

WHEAT

Complete 2 activities of your choice from the manual each year. Complete the crops record sheet. Exhibit one (1) peck (all divisions).

Manual
4-H-749

Record Sheet
4-H 626-W

Resources

No State Fair Entry.

DOGS

NOTE: Enrollment in the dog project is not required for the Dog Obedience Project.

Exhibit Options: 22" x 28" educational poster displayed horizontally with a stiff backing, and a clear protective covering. A dog poster should be designed to teach those who view it, about the selected topic.

Level 1 (grades 3-5) - dog care, dog breeds, me and my dog, helping the handicapped

Level 2 (grades 6-8) - purposes of dogs, responsible dog ownership, uses of dogs, disease/parasite prevention, careers with 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

Additional ideas and topics include:

- Your dog's breed or the most prevalent breed showing in your mixed-breed dog. Place a picture of you and your dog on the poster. You may use a brief history of the breed, the characteristics, the accepted standard, etc., which most pertains to your pet.
- First aid kit for a dog. What is involved, why and how each item is used.
- The diet and nutrition of raising a healthy dog from puppyhood to adult.
- Dogs belong to groups. What are the groups, breed members of the groups, and the different uses of the groups?
- General history of the dog family, canis lupis. How it began to the present day animal.
- A disease of dogs: its discovery, effects, treatments, etc.
- A vocation involving dogs. Type of work and preparation for the vocation.
- Some phase of dog training: novice, open, utility, tracking, guard, narcotic, blind people's guide dogs, herding. Whatever you choose, give a little history, theory, value, pertinence today.
- Draw a diagram of a dog and label parts of the body and explain function of each.
- Kennel clubs, obedience clubs, breed clubs, local, national, etc. Explain difference and functions of different types.
- Explain breed "standards", their purpose and how set up.
- Junior handling – What it is and what purpose it serves.
- Write an essay of between 200-300 words on your chosen topic. Exhibit your essay with the poster using the poster to decorate and explain your topic.

State Fair – One poster from each level will be eligible for the State Fair.

Manual

Level 1 BU - 8166

Level 2 BU - 8167

Level 3 BU - 8168

Record Sheet

4-H 528 W

General Record Sheet (All Levels)

Other Resources

Common Dog Disease

& Health 4-H 852 W

ELECTRIC

Requirements Electric Level 1 (Grade 3) Last modified 9/2020

Project Completion Recommendations:

Complete the activities as instructed in the manual and fill out the “4-H Club General Record Sheet” (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.**

Possible Projects:

- **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 4-H Youth Development Electric project page Level 1 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

Requirements Electric Level 2 (Grade 4) Last modified 9/2020

Project Completion Recommendations:

Complete the activities as instructed in the manual and fill out the “4-H Club General Record Sheet” (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.**

Possible Projects:

- **Magnetic Powered Shake Flashlight** – with display
- **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 4-H Youth Development Electric project page Level 2 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

Requirements Electric Level 3 (Grade 5) Last modified 9/2020**Project Completion Recommendations:**

Complete the activities as instructed in the manual and fill out the “4-H Club General Record Sheet” (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.**

Possible Projects:

- **Wiring Project** – (ie. extension cord, trouble light, wire sizes and uses, plug configurations, test equipment, etc.)
- **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 4-H Youth Development Electric project page Level 3 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

Requirements Electric Level 4 (Grades 6) Last modified 9/2020**Project Completion Recommendations:**

Complete the activities as instructed in the manual and fill out the “4-H Club General Record Sheet” (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.**

Possible Projects:

- **Wiring** – Wire a lamp. The lamp can be a re-wired lamp or one that is built new.
- **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 4-H Youth Development Electric project page Level 4 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

Requirements Electric Level 5 (Grade 7-12) Last modified 9/2020

Complete 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.

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.**

Possible Projects:

- **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 4-H Youth Development Electric project page 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.

Manual

Book I-Magic of Electricity (Level 1)

Book II -Investigating Electricity (Level 2)

Book III-Wired for Power (Levels 3 & 4)

Book IV-Entering Electronics (Level 5)

Record Sheet

Levels I-IV: Gen. Record Sheet (4-H 528)

Level V: Electric/Electronic Record Sheet

Other Resources

Exhibit Skills & Knowledge Sheet

Exhibit Skills & Knowledge Chart

ENTOMOLOGY

Description:

This project will help you study insects and their relationship with people. You can also learn how to collect, preserve, and identify insects.

State Fair Entries:

- 3 collection exhibits per county, one per level
- 3 educational exhibits per county, one per level

Educational Exhibit Guidelines:

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 way references are listed.

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Collection Exhibit Guidelines:

Collections are to include the following:

- Title as Insect Collection year in Entomology
- Order – refer to ID-401, page 57.
- Display – mounted insects are to have been legally and personally collected in the United States and displayed in an 18"x24" collection box displayed horizontally. Collections including multiple boxes are to be numbered 1 of 3, etc. ID 401 A-F cards (for grades 3-8) and 401-I cards (for grades 9 - 12) are to be placed inside the display box in an attractive manner.
- Identification – Collection display boxes are expected to contain the specified number of insects, families, and orders specified (see chart below). All insects must be in the adult stage and be properly mounted on insect pins or be contained in vials as directed.
- Pin Labels - Each pin or vial must contain two labels:
 - 1) Top label is to include collection date, location, and collector name.
 - 2) Bottom label is to include common name and other optional identification data.
- 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 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 the correct family label.

- 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).

Judges evaluating collection exhibits should judge based on educational content, scientific accuracy, eye appeal and creativity.

Exhibit Class Guidelines:

Beginner (1st-3rd Year in Entomology)

Create a collection based on the year in Entomology or an educational exhibit.

Year in Entomology	Collection Information	Total Boxes
1 st year	10 insects, identified and pinned on cards (ID 401A)	1
2 nd year	20 insects, mounted (pins or vials). Identify all insects by common name and identify five (5) to order. Include card ID 401B.	1
3 rd year	30 insects, mounted (pins or vials). Identify all insects by common name and identify 15 to order. Include ID 401C.	1

Intermediate (4th-6th Year in Entomology)

Create a collection based on the year in Entomology or an educational exhibit.

Year in Entomology	Collection Information	Total Boxes
4 th year	40 insects, exhibit a minimum of 6 orders, mounted (pins or vials). Identify all insects by common name and order. Include ID 401D.	2
5 th year	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
6 th year	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

Advanced (7th-10th Year in Entomology)

Create a collection based on the year in Entomology or an educational exhibit.

Advanced level insect collections are to also include an education box, for a total of four boxes.

Advanced level youth may instead create an independent study topic of choice.

Year in Entomology	Collection Information	Total Boxes
7 th year	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 401I. (1-3 collection boxes plus 1 educational box*). Place ID 401I in first collection box only. Card ID 401I download	3
8 th year	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 401I. (1-3 collection boxes plus 1 educational box*). Place ID 401I in first collection box only.	3

	Card ID 401I download	
9 th year	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 401I. (1-3 collection boxes plus 1 educational box*). Place ID 401I in first collection box only. Card ID 401I download	3
10 th year	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 401I. (1-3 collection boxes plus 1 educational box*). Place ID 401I in first collection box only. Card ID 401I download	3

Manual

Level 1 (Grades 3-5) 4-H BU 8440
 Level 2 (Grades 6-8) 4-H BU 8441
 Level 3 (Grades 9-12) 4-H BU 8442

Record Sheet

4-H 763c-W – all levels
 Independent Study - 4-H-NR-AT
 Mentoring - 4-H-NR-M

Other Resources

Insects (How to Study, Collect, Preserve, & Identify Insects)	4-H 764 (1991)
Insect Kit – 100 Pins & 3 Vials	4-H 763 A (1996)
Standard Insect Box (Order by 3/1)	4-H 763
Entomology Exhibit Cards	4-H 15-20
How to Make an Awesome Insect Collection	ID 401
Entomology ID Card and Order Name Cards	4-H 15-40

FASHION REVUE

Fashion revue provides an opportunity for youth to model the outfit constructed in the 4-H sewing project. State fair fashion revue is limited to youth in grades 8-12. All articles modeled in Fashion Revue must have been constructed by the 4-H member modeling that same garment or outfit. Youth qualifying to exhibit the same garment or outfit in Indiana State Fair Sewing and Fashion Revue must choose which project they wish to participate as one cannot exhibit the same garment or outfit in both projects at state fair.

Fashion revue categories are:

Informal or Casual Wear: A complete outfit of 1 or 2 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 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.

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.

FLORICULTURE

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, 4. You should also pay special attention to size guidelines for Flower and Plant Exhibits. Instructions for exhibits and related activities can be found in the 4-H Floriculture student manuals (Levels A-D).

4-H member is responsible for watering plants during fair week.

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 = 22" x 28" displayed horizontally with stiff backing and must be covered with clear plastic
- Identification included 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.

Level A (Grades 3 & 4)

Flower and Plant Exhibit Categories

1. 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 1-3 stems of a main flower, along with appropriate amount of filler flower and greenery.
2. 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.

3. Create a simple round arrangement (small, compact round cluster of flowers) with fresh flowers you purchased. Including the vase or container, must be no larger than 12" x 12".
4. Create a simple round arrangement (small, compact round cluster of flowers) with fresh flowers you grew. Including the vase or container, must be no larger than 12" x 12".

Poster or Notebook Exhibits - choose any one(1) of the following topics:

1. Chronicle your work in your flower garden (planning, planting, care, harvest, arrangement made with your flowers)
2. Describe how you planned or designed your garden, including how you chose the kinds of flowers.
3. Explain how you harvested your flowers, cared for them, and used them in an arrangement.
4. 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).
5. Explore and explain seed germination or how to care for a 'sick' plant
6. Report on interview with a professional (what do they do, types of jobs, type of training, hours worked, etc.)
7. Describe an experiment you did and the results
8. Describe a community service project you did related to your flowers project

Level B (Grades 5 & 6)

Flower and Plant Exhibit Categories

1. 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.
2. 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")
3. 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.

Poster or Notebook Exhibits - choose any one(1) of the following topics:

1. Report how you harvested your flowers and/or herbs, cared for them, dried them, and used them.
2. Explore and explain: insects and your flowers and/or herbs
3. Explore and explain: starting seeds indoors – the process and pros and cons
4. Explore and explain: perennials – what are they, how are they used, benefits or drawbacks
5. Investigate and describe: a butterfly garden- what types of plants, benefits to insects and butterflies, etc.
6. Describe how you planned or designed your garden, including how you chose the kinds of plants, any problems, successes

7. Describe your houseplant - how you cared for, transplanted to larger pot, any problems, or successes
8. Explore and explain: plant biology – form and function, growth, photosynthesis, etc.
9. Explore and explain: how to grow plants indoors – things to consider, common problems and solutions
10. Explore and explain: environmental effects related to plants (such as light, water, soil, or temperature)
11. Describe an experiment you did and the results
12. 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)

Flower and Plant Exhibit Categories

1. 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.
 2. 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).
 3. 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.
 4. 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.
 5. 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 materials should be included. Bows and decorative items are okay. Maximum size 24” x 24” height will be variable.
 6. 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).
-
1. Describe an experiment you did and the results
 2. Describe a career exploration activity you did, such as job shadow, interview with a professional
 3. Describe a community service activity you did related to your flowers project – what you did, why, results, etc.

Level D (Grades 10-12)

Poster or Notebook Exhibits - choose any one(1) of the following topics:

1. Explore and explain: vegetative propagation – how to, different types, problems and solutions, different uses of
2. 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.

3. Investigate the design of multiple plant containers – how to, things to consider, selecting plant materials, uses of
4. 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.
5. Explore and explain: floral tools and materials (how to use, what they are, care of tools, different uses of a tool or material)
6. Explore and explain: preserving cut flowers – how, problems, uses of and/or diseases related to cut flowers
7. Illustrate, explore and explain how you dry flowers or other plant materials and/or describe different methods and/or how, why use them
8. Explore and explain: medicinal uses and toxicity of fresh and dried flowers and plants

Flower and Plant Exhibit Categories

1. 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"x24"x36". This category could include a traditional floral arrangement, but also items such as wreaths. Bows and decorative accessories are okay.
2. 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"x24"x36". This category could include a traditional floral arrangement, but also items such as wreaths. Bows and decorative accessories are okay.
3. Create a modern or contemporary style arrangement using fresh flower and plant materials. See manual for suggestions. Maximum size 24"x 24"x36". Include a label that states what type of design you have created (botanical, pavè, parallel, free-form, abstract, etc.)
4. 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.
5. 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.
6. 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.

Poster or Notebook Exhibits - choose any one(1) of the following topics:

1. Describe how you created your arrangement, include information on the design principles utilized
2. 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
3. Explore and explain: the cost of arrangement and/or a cost comparison with flowers (different types flowers, different time year, etc.)
4. Explore and explain: forcing flowers (bulbs, branches, etc.)
5. 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

6. Explore and explain: how to start a business related to the floral industry and may include a business plan
7. Explore and explain: the origins of flowers and/or the floriculture industry around the world
8. Explore and explain: tissue culture, biotechnology, or traditional breeding of new flower types – what are they, how are they used, pros and cons
9. Explore and explain: be a plant detective – what kinds of problems might you have in growing and caring for flowers, and how to solve
10. Describe an experiment you did and the results
11. Describe a community service activity you did related to your flowers project: how, why, results.

State Fair – Each county will be allowed to send one flower and plant exhibit per category per level and one poster or notebook exhibit per level. For example, for level A, a county could send 3 flower and plant exhibits and one poster or notebook on to state fair.

Manual

4-H 966
 4-H 967
 4-H 968
 4-H 969

Record Sheet

4-H 966a-W
 4-H 967a-W
 4-H 968a-W
 4-H 969a-W

Additional Resources – CD-4-H-989 – Floriculture Supplemental CD \$5.00

FOODS, BAKED

Description:

The foods project teaches basic baking, preservation and nutrition education skills.

State Fair Entries:

- 2 Level A entries per county.
- 2 Level B entries per county.
- 3 Level C entries per county.
- 3 Level D entries per county.

Exhibit Guidelines:

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 way references are listed.

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

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. Potential food allergens include, but are not limited to, milk, eggs, peanuts, tree nuts, fish, crustacean shellfish, wheat, soy and sesame. Each food product must be labeled with the following information:

- Name
- Address (4-H member information can be taken from enrollment if needed)
- Contact information (phone and/or email address; 4-H member information can be taken from enrollment if needed)
- 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.*

Baked food products may be from a boxed mix following the instructions, a boxed mix with added ingredients, or ingredients combined from scratch. Youth are to place their name, county and club on the bottom side of their plate, pan or other container and the official entry tag provided will be placed with the exhibit.

A completed recipe card is to be submitted with each exhibit. Recipe cards are for judging purposes only and will not be returned to the exhibitor. Laminating, wrapping the recipe card in plastic, or placing it in a clear plastic bag is optional. 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.

Baked food products should be covered during transport and displayed on a paper or foam plate, or another type of disposable container. Pies, casseroles and other similar items are to be baked in a disposable pan. Cakes and sticky items may be displayed on a cardboard strong enough to support the item and covered in foil, plastic, wax paper, or similar substance.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Level A (grades 3-4 suggested)

Choose one or more of the baked products below, or a similar baked product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters after being judged and not displayed.

- Three uniced snack sized cookies.
- Three standard sized unlined muffins.
- Three standard sized unlined muffins containing an ingredient that is a source of Vitamin A or C.
- Three snack sized granola bars.
- Three snack sized brownies or blondies.

- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.

Level B (grades 5-6 suggested)

Choose one or more of the baked products below, or a similar baked product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters after being judged and not displayed.

- A single layer cake without frosting.
- A single 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.
- A standard loaf-sized quick bread.
- A standard loaf-sized quick bread containing an ingredient that is a source of Vitamin A or C.
- A coffee-cake.
- A coffee-cake containing an ingredient that is a source of Vitamin A or C.
- Three biscuits or scones that are plain, sweet or savory.
- Three biscuits or scones that are plain, sweet or savory using a whole grain flour mixture.
- Three biscuits or scones that are plain, sweet or savory containing an ingredient that is a source of Vitamin A or C.
- Three no-yeast, any shape pretzels (shaped, stick or nugget).
- Three no-yeast, any shape pretzel with a whole grain flour mixture (shaped, stick or nugget).
- Three no-yeast breadsticks.
- Three no-yeast cinnamon rolls or other flavored roll without icing or glaze.
- A no-yeast sweet bread without icing or glaze.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.

Level C (grades 7-9 suggested)

Choose one or more of the baked products below, or a similar baked product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters after being judged and not displayed.

- Three yeast bread sticks or yeast rolls (any shape, medium size – not a sweet roll)
- Three (3) yeast bread sticks or yeast rolls (any shape, medium size - not a sweet

roll), using a whole grain flour mixture. 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 loaf or braid. 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 breadmaker.
- A yeast bread (can be loaf, braid) using a whole grain flour mixture such as whole wheat, rye, oat bran, etc. 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 breadmaker.
- Homemade pizza using a yeast dough. Judges are not expecting this item to be presented hot out of the oven.
- One package of an, 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.
- Prepare an entrée casserole that meets three MyPlate requirements for a meal. Use care when transporting to prevent spoilage. Judges are not expecting this casserole to be presented hot out of the oven.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any similar baked item.

Level D (grades 10-12 suggested)

Choose one or more of the baked products below, or a similar baked product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters after being judged and not displayed.

- A single or double crust baked fruit pie (no graham cracker crust). (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 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.
- Select a condition in which people have to specifically modify their eating habits (diabetes, heart disease, Celiac disease, food allergies, etc.) Prepare a 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.

- Prepare an entrée casserole that meets four MyPlate requirements for a meal. Use care when transporting to prevent spoilage. Judges are not expecting this casserole to be presented hot out of the oven.
- An international or ethnic food of choice. This may be a cold or hot product. Use care when transporting to prevent spoilage. Judges are not expecting this product to be presented hot out of the oven.
- A specialty pastry.
- Create a baking mix and provide a sample of the baked product. Include an index card with instructions, wet ingredients needed, and baking instructions.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.

Manual

Level A (Grades 3-4)	4-H 1032
Level B (Grades 5-6)	4-H 1033
Level C (Grades 7-9)	4-H 1034
Level D (Grades 10-12)	4-H 1035

Record Sheet

in manual (all grades)

FOODS, PRESERVED

Description: The foods project teaches basic baking, preservation and nutrition education skills.

State Fair Entries:

- 2 Level A entries per county.
- 2 Level B entries per county.
- 3 Level C entries per county.
- 3 Level D entries per county.

Exhibit Guidelines:

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 way references are listed.

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Refer to the [Purdue Extension Food Preservation](#) web site for resources and Purdue Extension educators trained to answer food preservation questions.

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. *Potential food allergens include, but are not limited to, milk, eggs, peanuts, tree nuts, fish, crustacean shellfish, wheat, soy and sesame. Each food product must be labeled with the following information:*

- Name
- Address (4-H member information can be taken from enrollment if needed)
- Contact information (phone and/or email address; 4-H member information can be taken from enrollment if needed)

- *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.*

A completed recipe card is to be submitted with each exhibit. Recipe cards are for judging purposes only and will not be returned to the exhibitor. Laminating, wrapping the recipe card in plastic, or placing it in a clear plastic bag is optional. 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.

Preserved food products should be displayed in an appropriate container, preferably disposable. Containers will not be returned to the exhibitor.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Level A (grades 3-4 suggested)

Choose one or more of the preserved products below, or a similar preserved product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters and not displayed.

- A package of 3 baked or unbaked, 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 or baking. Label with name of product, quantity, and date frozen.
- 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.
- One package of dehydrated fruit or vegetable. Display in an appropriate bag or container. Include index card with recipe and instructions for cooking or defrosting. Label with name of product, quantity, and date dehydrated.

- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.

Level B (grades 5-6 suggested)

Choose one or more of the preserved products below, or a similar preserved product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. A square, oblong or round layer cake. Exhibits entered at state fair will be donated to local homeless shelters and not displayed.

- 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.
- 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.
- One container of frozen fruit or vegetable juice. Include index card with instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- One container of frozen soup. Include index card with recipe and instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- A frozen ready-to-eat breakfast sandwich, burrito or similar item. 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.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.

Level C (grades 7-9 suggested)

Choose one or more of the preserved products below, or a similar preserved product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters and not displayed.

- 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. Canned products must have the ring on the jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques 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. Canned products must have the ring on the jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**

- Frozen yeast dough (bread loaf, roll balls, sticks, pizza, etc.). Include index card with recipe and instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any similar preserved item.

Level D (grades 10-12 suggested)

Choose one or more of the preserved products below, or a similar preserved product of choice. It is suggested a participant choose a different option each year, but this is not a requirement. Exhibits entered at state fair will be donated to local homeless shelters and not displayed.

- 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. Canned products must have the ring on the jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques 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. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**
- One container of a thaw and eat frozen prepared appetizer. Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.
- One container of a thaw and eat frozen prepared dessert. Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.

Manual

Level A (Grades 3-4)	4-H 1032
Level B (Grades 5-6)	4-H 1033
Level C (Grades 7-9)	4-H 1034
Level D (Grades 10-12)	4-H 1035

Record Sheet

in manual (all grades)

FORESTRY

Create an exhibit that shows the public what you learned in the forestry project this year. Exhibits must be displayed horizontally, sized 22" x 28", mounted on a firm backing (foam-core board or other), and covered in clear plastic or other transparent material. Be sure to include a label with your name, grade, and county. Choose one of the topics listed below, appropriate for your grade in school, and use that topic for your exhibit title.

If you are exhibiting leaves they should be free of any damage and if you choose to write scientific names, they must be in either italics or underscored. (Note: scientific names are required for herbariums.) The Genus (first name) must have the first letter capitalized. The species (second name) has no capitalization.

Level 1: Grade 3-5:

Display a poster based on one of the following activities:

- **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 a 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 (Level1). Title your poster, Leafing Out – Leaf Differences.
- **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.
- **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).
- **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.
- **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.
- **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.

Level 2: Grade 6-8:

Display a poster based on one of the following activities:

- **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: CO_2 , H_2O , O_2 , and $\text{C}_6\text{H}_{12}\text{O}_6$. 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) and

identify the crown, trunk (with the parts; heartwood, sapwood, cambium, and bark listed on the right), feeder roots, and anchor roots.

- **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/igic). 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.
- **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.
- **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.
- **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).
- **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.

Level 3: Grade 9-12:

Display a poster based on one of the following activities:

- **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.
- **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.
- **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.
- **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.
- **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-Wc
- **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.

- **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 Grade 9-12:

- 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."
- 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."

State Fair – One exhibit per level.

Manual

Forestry 1: BU-8038
Forestry 2: BU-8039
Forestry 3: BU-8040

Record Sheet

4-H 8038 A-W
4-H 8039 A-W
4-H 8040 A-W
4-H-NR-AT (Advanced)
4-H-NR-M (Mentoring)

Other Resources

Introductory Forestry Tree Diagram 4-H 641b
Tree Measuring Stick 4-H 436
Fifty Trees of IN 4-H 15-80

GARDEN

Description:

Youth will learn about plant growth, soil nutrition, and management of insects and diseases related to fresh vegetable and herb production.

State Fair Entries:

- 1 collection per member, unlimited number of county entries.
- 5 single vegetable entries per member, unlimited number of county entries.
- 3 herb entries per member, unlimited number of county entries.
- 1 potato tray entry per member, unlimited number of county entries.
- 1 tomato plate entry per member, unlimited number of county entries.
- 1 educational exhibit entry per county.

Exhibit Guidelines:

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 way references are listed.

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Refer to Suggested 4-H Garden Exhibits, 4-H 970-w, to learn about size, weight, and other suggested specifications.

Judges evaluating exhibits should recognize individual differences and creativity, therefore using information in this document as a guide rather than a requirement.

Exhibit Class Guidelines:

Level A (grades 3-4 suggested)

Choose one or more options outlined below. All vegetable and herb exhibits must include common name, Latin name, and variety. Vegetable exhibits entered at state fair will be donated to local food banks and homeless shelters after being judged and not displayed.

Level B (grades 5-6 suggested)

Choose one or more options outlined below. All vegetable and herb exhibits must include common name, Latin name, and variety. Vegetable exhibits entered at state fair will be donated to local food banks and homeless shelters after being judged and not displayed.

Level C (grades 7-9 suggested)

Choose one or more options outlined below. All vegetable and herb exhibits must include common name, Latin name, and variety. Vegetable exhibits entered at state fair will be donated to local food banks and homeless shelters after being judged and not displayed.

Level D (grades 10-12 suggested)

Choose one or more options outlined below. All vegetable and herb exhibits must include common name, Latin name, and variety. Vegetable exhibits entered at state fair will be donated to local food banks and homeless shelters after being judged and not displayed.

Garden Collection Option

Create a 3-plate, 4-plate, or 5-plate collection display of vegetables you have grown and cared for from the single vegetable list. Display each vegetable on a disposable plate. Inclusion of flowers is optional.

Single Vegetable Option

Display from the list below vegetables you have grown and cared for on a disposable plate.

Vegetable	Plated Display Description
Asparagus	Asparagus, 5 spears
Beans	Cowpea, black-eyed pea, southern pea, etc., 10 pods or ½ cup shelled
Beans	Snap, Green or Wax, 10 pods
Beans	Lima-large or small - 10 pods or ½ cup shelled
Beans	Navy, kidney, shell out, etc.-1/2 cup shelled
Beets	Round, flat, and long types, 3
Broccoli	Broccoli, 1 head
Broccoli raab	Broccoli raab, 3 heads
Brussels sprouts	Brussels sprouts, 5 heads
Cabbage	Chinese type (bok choy or pak choi), 1 head
Cabbage	Chinese type (napa cabbage), 1 head
Cabbage	Round, Flat or Pointed type, 1 head
Carrots	Carrots, 3
Cauliflower	Cauliflower, 1 head
Celery	Celery, 1 bunch
Chard	Chard, 10 bundled leaves
Collards	Collards, 10 bundled leaves
Corn	Sweet-yellow, white or bicolor, 3 ears
Cucumbers	Dill, Pickling, 3
Cucumbers	English or hothouse, 1
Cucumbers	Slicing with seeds, 3
Eggplant	Eggplant, 1
Kale	Kale, 10 bundled leaves
Kohlrabi	Kohlrabi, 3
Muskmelon	Muskmelon (cantaloupe), 1
Okra	Okra, 3 pods
Onions	Green, 5 onions in a bunch
Onions	Red, Yellow or White, 3
Parsnip	Parsnips, tops off, 3
Peas	Peas, edible pod such as snow peas ,10 pods
Peas	Peas, unshelled, 10 pods

Peppers	Bell type, 3
Peppers	Chili type, 3
Peppers	Serrano type, 3
Peppers	Banana/Long/Wax/Hungarian type, 3
Peppers	Pimiento type (red), 3
Peppers	Cayenne type, 3
Peppers	Jalapeno type, 3
Peppers	Cherry type, 3
Peppers	New Mexican, long green, Anaheim type, 3
Peppers	Ancho type, 3
Peppers	Tabasco type, 3
Peppers	Habanera Habanero type, 3
Potato	Potatoes, any color, 3
Pumpkin	Pumpkin, (other), 1
Pumpkin	Table, Canning, or Ornamental, 1
Radishes	Radishes, 5
Rhubarb	Rhubarb, 3 stalks bundled
Rutabaga	Rutabaga, 3
Spinach	Spinach, 10 bundled leaves
Squash	Banana, or other large winter squash type, 1
Squash	Buttercups, Turbans, 1
Squash	Butternut, 1
Squash	Cushaw, 1
Squash	Hubbards – blue, green or golden, 1
Squash	Scallops/Patty Pans, 1
Squash	Straight or crookneck – i.e. summer squash, 1
Squash	Acorn, 1
Squash	Zucchini or cocozelle, 1
Sweet Potato	Sweet potatoes, 3
Tomatillos	Tomatillos, 3
Turnips	Turnips, 3
Watermelon	Watermelon, 1

Herb Option

Display from the list below a single herb plant you have grown and cared for in an appropriate size pot that has a saucer bottom.

Note: 4-H member is responsible for watering plants during fair week.

Herb Name and Description
Basil (<i>Ocimum basilicum</i>) "all edible types"
Catnip (<i>Nepeta cataria</i>) "all edible types"

Chamomile (<i>Chamaemelum nobile</i>) "all edible types"
Chives (<i>Allium schoenoprasum</i>) "all edible types"
Coriander or Cilantro (<i>Coriandrum sativum</i>) "all edible types"
Dill (<i>Anethum graveolens</i>)
French tarragon (<i>Artemisia dracunculus</i>)
Lavender (<i>Lavendula</i> sp.) "all edible types"
Mint (<i>Mentha</i> sp.) "all edible types"
Oregano (<i>Origanum vulgare</i>)
Parsley (<i>Petroselinum crispum</i>) "all edible types"
Rosemary (<i>Rosemarinus officinalis</i>)
Sage (<i>Salvia officinalis</i>)
Sweet Marjoram (<i>Origanum majorana</i>)
Thyme (<i>Thymus vulgaris</i>) "all edible types"

Potato Plate or Tray Option

Display from the list below either 3 potatoes on a disposable plate or approximately 30 potatoes you have grown and cared for in a 12 ½" x18" tray. A tray will be provided when checking-in potato exhibits at state fair.

Potato Description
Red (Norland, Triumph), etc.
Russett (Haig, Norgold, Superior), etc.
White, long type (Kennebec), etc.
White, oval type (Irish Cobbler), etc.
White, round type (Katahdin), etc.
Other (yellow, blue, etc.)

Tomato Plate Option

Display from the list below tomatoes you have grown and cared for on a disposable plate.

Tomato Description
Pink or purple, 3
Red (for canning), 3
Red (for market), 3
Roma or paste type, 3
Intermediate type, 10
Small Cherry or Pear, 10
Yellow or orange, 3
Green, 3 (County only category)

Educational Exhibit Option

Create an educational poster, notebook or display about any manual activity or on any gardening topic of choice that is age/grade appropriate. Youth can also design and complete an independent study activity.

Resources

4-H Garden Publication 4-H 970-W

Manuals

Level A – 4-H 1037

Level B – 4-H 1038

Level C – 4-H 1039

Record Sheets

(One per grade level)

GENEALOGY

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 members 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

Exhibit notebook that includes the following:

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").

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

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.

Division 2

Exhibit notebook that includes the following:

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).

Book #2 (Ancestors 8-15 information):

- An additional information worksheet for each set of great grandparents.
- A diary of your work

Book #3 (Ancestors 8-15 information):

- 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. Rubbings are acceptable in lieu of photographs.
- Any other documents or pictures pertaining to these generations, correctly labeled.

Exhibit Book #1, Book #2, and Book #3, which should only include Division 2 ancestors 8-15 and related information.

Division 3

Exhibit notebook that includes the following:

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.).

Book #2 (Ancestors 16-31 information):

- Additional information worksheets
- A diary of your work

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.
-

*Exhibit Book #1, Book #2, and Book #3, which should only include Division 3 ancestors 16-31 and related information.

Division 4

Exhibit a notebook(s) that includes the following:

Book #1:

- Six-generation pedigree charts, 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 for generation six (6). Sources of information must be filled in on family group sheets (see section "Recording the Information").

Book #2 (Ancestors 32-63 information):

- Additional information worksheets
- A diary of your work

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.

Exhibit Book #1, Book #2, and Book #3, which should only include Division 4 ancestors 32-63 and related information.

Advanced Division

Exhibit notebook that includes the following:

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

Book #3 (Ancestors 64-255 information):

- Any documents or pictures pertaining to these generations; correctly labeled.

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.

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.

State Fair – 1 exhibit from each division eligible for the state fair.

Manual
4-H 748

Record Sheet
4-H 748 A

Other Resources

4-H 748Pc-W Pedigree Charts 1-21 color (Excel)
4-H 748Pbw-W Pedigree Charts 1-21 b & w (Excel)
4-H 748P-W Pedigree Chart blank 3-generation view
4-H 748P-W Pedigree Chart blank 4-generation view
4-H 748Pob-W Old Pedigree Charts 1-10 b&w (Excel)
4-H 748B-W My Family Tree Cover Sheet (pdf)
4-H 748B-W My Family Tree Cover Sheet (Excel)
4-H 748I-W Information Worksheets color (Excel)
4-H 748I-W Information Worksheets b & w (Excel)
4-H 748Fc-W Family Group Sheets color (Excel)
4-H 748Fb-W Family Group Sheets b & w (Excel)
4-H 748Dc-W Diary of My Work color (Excel)
4-H 748Db-W Diary of My Work b & w (Excel)

GEOLOGY

Create an exhibit to show the public some of the geology specimens you have collected. Exhibits must be displayed horizontally, sized 22" x 28," mounted on a firm backing (foam-core board or other), and covered in clear plastic or other transparent material. Or, you may display your specimens in an insect display box (18 x 24 inches), orientated horizontally. Include actual specimens in your exhibit whenever possible. You can make your own labels for your specimens. See the suggested label format found in the Indiana 4-H geology manuals. Boxes make your specimens more secure. Do not put valuable specimens on poster where they can be removed quickly. Be sure to include a label with your name, grade, and county. 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.**

Notes:

- You may purchase your specimens and may display rocks, fossils, and minerals. If you purchase your specimen, indicate where and when you purchased it and the location where you would expect to find the specimen. If you collect your specimen, indicate the county and township where you found it.
- Posters and display boxes will be exhibited "standing up" at the Indiana State Fair. 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.
- 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 or mollusks, backboned animals, and arthropods.
- 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.)

Level 1: Grade 3-5

Display a poster (or use an exhibit box) based on one of the following activities:

- The Rock Cycle (Activity 2) - Explain the rock cycle using both words and pictures.
- 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.
- 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.
- Rock Artwork (Activity 12) - Display your rock artwork and the story that you created.
- Collections (Activity 11) - Display and identify 8 rocks.
- Making Crystal Models (Activity 14 & 15) - Display the crystal forms characteristic of most minerals (cubic, tetragonal, hexagonal, orthorhombic, monoclinic, triclinic) in a display box with your name and mineral with this form. You may color, paint, or use markers on your crystal models.
- 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.

Level 2: Grades 6-8

Display a poster (or use an exhibit box) based on one of the following activities:

- 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 is similar to the differences in rock texture.
- Indiana Limestone – Show and label pictures of photographs of ten buildings, sculptures, or monuments made from Indiana limestone.
- 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.
- 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.
- Geologic Time – Create a display to show the major geologic eras. Indicate the names, specific features, and approximate length of each.
- Indiana Glaciers – Show the extent of Indiana’s three main glaciers.
- 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.
- 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.
- 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.

Level 3: Grades 9-12

Display a poster (or use an exhibit box) based on one of the following activities:

- 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.
- Lapidary and Jewelry – Show how stones and minerals are turned into polished stones and jewelry. Show and explain the steps involved.
- Miniatures – Display five miniatures in a display box and explain the benefits of collecting miniatures and how they are prepared.
- Indiana’s State Parks or Forests – Create a matching game of Indiana’s State Parks or Forests and a brief description. This option should include geological features of the park or forest.
- Indiana, U.S. or World Geology – Teach others about one Indiana, U.S., or World Geology topic.
- Career Exploration – Prepare a display that explains your interview with someone who needs an understanding of geology to do their job.

Independent Study: Grades 9-12

- 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.”

- 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 your poster, “Advanced Geology – Mentor.”

State Fair – 1 exhibit from each level will be eligible for the state fair.

Manual

Level 1 – 4-H 985

Level 2 – 4-H 986

Level 3 – 4-H 987

Record Sheet

4-H 985a-W

4-H 986a-W

4-H 987a-W

Other Resources

Let’s Look at Some Rocks 4-H CIR5 (\$6)

HEALTH

All poster exhibits are to be displayed horizontally, sized 22"x 28", mounted 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 under plastic.

Health 1 (Grades 3-5)

Grade 3

- A poster on one of the following topics or any other topic covered in First Aid in Action:
 1. First Aid for Cuts and Scrapes
 2. First Aid for Choking
 3. First Aid for Strains, Sprains, and Bruises
- A Family First Aid Kit

Grade 4

- A poster on one of the following topics or any other topic covered in First Aid in Action:
 1. First Aid for Treating Nosebleeds
 2. First Aid for Foreign Objects
 3. First Aid for Stings or Bites
- A Family First Aid Kit (including at least 1 Make Your Own item discussed in your 4-H manual)

Grade 5

- A poster on one of the following topics or any other topic covered in First Aid in Action:
 1. First Aid for Poisons
 2. First Aid for Broken Bones
 3. First Aid for Burns
- A family kit for an emergency (tornado, snowstorm, no electricity, fire, etc.)

Health 2 (Grades 6-8)

Grade 6

- A poster on one of the following topics or any other topic covered in Staying Healthy:
 1. Human viruses or bacteria
 2. Keeping hair, skin, nails, teeth, ears or eyes clean
- A report of three activities you completed in the 4-H manual

Grade 7

- A poster on one of the following topics or any other topic covered in Staying Healthy:
 1. Nutrient rich "Power" foods
 2. Healthy snacks
 3. Appropriate portion sizes
- A report of three activities you completed in the 4-H manual.

Grade 8

- A poster on one of the following topics or any other topic covered in Staying Healthy:
 1. The importance of eating breakfast
 2. The importance of physical activity
 3. Turning everyday activities into exercise opportunities
- A report of three activities you completed in the 4-H manual.

Health 3 (Grades 9-12)**Grades 9-12**

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

State Fair – One exhibit per level.

Manual

Health 1 - BU-8174

Health 2 – BU-8175

Health 3 – BU-8176

Record Sheet

4-H 8174a-W

*HISTORY FOR FUN

Choose one area for the project focus: World History, Local History, United States History, Family History, or Indiana State History.

Project Ideas: Read historical books for a report (Levels A & B) or research paper (Levels C & D); Be a historical interpreter (a character who dresses and speaks the part of the historical era) and summarize; Career Development: Speak with a teacher or history professor, tour a college history department, or other.; Develop a tool to be used to teach history, such as a flip chart, timeline with people and events, etc.; Sew a historical costume.; Cooking (documented with pictures, recipes, etc.); Making tools.

General guidelines: The project will be broken into four grade levels:

- Level A (grades 3-4)
- Level B (grades 5-6)
- Level C (grades 7-9)
- Level D (grades 10-12)

The exhibit work should be new each project year. All exhibits must include a summary (no longer than one page), including a bibliography where applicable. If an item is made, it is recommended that you document your progress with pictures. Work that is not original will be given a participation ribbon. Work that does not meet all requirements will be judged as such. Schoolwork can be used. Do not submit a paper with a grade; rework the paper. Proofread your work carefully; grammar, spelling and punctuation matter.

Exhibit one of the following:

- 1) Written Report (Levels A & B only) – Include a title page and table of contents. You may use pictures, graphs, newspaper articles, etc. in your exhibit. Be sure to document sources. Use a 3-ring binder with plastic sleeves for display.
 - Level A – 1-3 pages of text
 - Level B – 2-5 pages of text

Or

Research Paper (Levels C & D only) – Include a title page and table of contents. You may use pictures, graphs, newspaper articles, etc. in your exhibit. Be sure to document sources. Use a 3-ring binder with plastic sleeves for display.

- Level C – 3-6 pages of text
 - Level D – minimum 4 pages of text
- 2) Diorama – Create a display, no larger than 18” x 15”, based on your chosen category of history. The goal is to represent a realistic interpretation of the event in history. No perishables or food allowed in the diorama. It is not required, but recommended, that the display be covered for protection.

- 3) Educational Display – Create a display, no larger than 30” deep x 48” wide x 72” tall, based on your chosen category of history. No perishables or food items allowed. The display should teach the observer about the given event or subject in history.
- 4) Poster – Create a poster (22” x 28” displayed horizontally) based on your chosen category of history. Use charts, pictures, facts, etc. about the person/event. Attach bibliography to the back of the poster.
- 5) Other – Check with 4-H Educator about ideas and how to exhibit.

Manual
(None)

Record Sheet
General 4-H 528

HOME ENVIRONMENT

For the 4-H Home Environment project, 4-H members at each grade level may choose from three possible exhibit categories: a furniture item and notebook, a design board (poster or notebook), or a portfolio (notebook). All exhibits must include the Home Environment Exhibit Card, 4-H 1011D-W. Level 3 participants will also have a fourth choice: independent study. NOTE: 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.

Categories

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:

Furniture Options for Level 1

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

Design Board Options for Level 1

- Color the line drawing found in 4-H 1011 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 1011 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.

Portfolio Options for Level 1

- 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

Furniture Options for Level 2

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., bedsheet 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.)

Design Board Options for Level 2

- 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.

Portfolio Options for Level 2

- 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

Furniture Options for Level 3

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., bedsheet 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.)

Design Board Options for Level 3

- 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.

Portfolio Options for Level 3

- 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.

Independent Study Option for Level 3

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.

Manual

Grades 3-5 4-H 1011

Grades 6-12 4-H 1012

Record Sheet

4-H 1011a-W

Home Environment Exhibit Card

4-H 1011D-W

***HORSELESS HORSEMEN**

Note - All posters should be 22" x 28" and displayed horizontally. They should have stiff backing and be covered with plastic. Posters not having these characteristics will be dropped one ribbon placing. Any color of poster board may be used.

Level 1 (Grades 3-5) - An educational poster pertaining to a subject in your manual.

Level 2 (Grades 6-8) - An educational poster pertaining to a subject in your manual.

Level 3 (Grades 9-12) - An educational poster pertaining to a subject in your manual.

Not a state fair project.

Manual

Level 1 – BU-1518Y

Level 2 – BU-1519Y

Level 3 – BU-1520Y

Record Sheet

4-H 528 (General Record Sheet)

***JUNIOR LEADERS**

The Junior Leader Organization in Washington County is open to all 4-H members in 7th grade and up. The club meets monthly, year-round. Besides monthly meetings, youth participate in fundraising projects (Cheese Balls, etc.), service learning projects, and they also work at the fair. In addition, youth also turn in a completed Junior Leader Record Sheet and project. Those that complete these elements are eligible for the Junior Leader Achievement Trip. Completed Junior Leader record sheets and projects are due prior to the Achievement Trip.

Manual
None

Record Sheet
4-H 1018

*MICROWAVE COOKING

General Instructions:

1. How to prepare products for display.
 - Most food products should be displayed on a paper or foam plate.
 - For cakes - cut a piece of cardboard about ½ inch larger than the bottom of the cake. Cover this cardboard with wax paper, plastic wrap, or foil before putting the cake on it.
 - Any other product that may be sticky on the bottom, such as fruit crisps or pies, may be left in the container in which they were microwaved. **Containers should be labeled so they may be returned to you following judging.**
 - All canned products must have the ring on the jar top to protect the seal.
2. **Recipes are required and must be placed on 5" x 8" cards** (available from Extension Office). **Label your recipe card with recipe name, 4-H members name and division.**
3. All food exhibits must be made from scratch.

For food competitions: Filling, frosting, glazing, pie filling, and meringue, (whether uncooked or cooked) are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream as the nature of these products increases the moisture content and water activity of the food. Foods with a higher moisture content and water activity can be ideal growing conditions for food borne pathogens, even if the ingredient is part of a batter and 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 in products. Recipes must be provided that show which ingredients were used in each part of the product. Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. Whenever possible, baked products should be transported and stored in chilled coolers (41°F).

Level A: Grades 3-4

- Grade 3: Microwave snack mix (in a package).
- Grade 4: Six squares or bars of microwave fudge.

Level B: Grades 5-6

- Grade 5: Six bars of microwave cookies or brownies.
- Grade 6: One microwave upside down cake.

Level C: Grades 7-9

- Grade 7: One microwave fruit crisp.
- Grade 8: One microwave coffee cake.
- Grade 9: One package of a microwave candy product.

Level D: Grades 10-12

Grade 10: One microwave double layer or bundt cake. (Note: Custards, cream, and cream cheese fillings or frostings are not acceptable in an exhibit because they are highly perishable when left at room temperatures.)

Grade 11: One microwave fruit and / or nut pie. (Note: Custards, cream, and cream cheese fillings are not acceptable in an exhibit because they are highly perishable when left at room temperatures.)

Grade 12: A jar of microwave jam or jelly. Label with name of product, quantity, and date made.

Not a state fair project.

<u>Manual</u>	<u>Record Sheet</u>
Level A - BU-8087	4-H 8087 a-w (Grade 3), 4-H 8087 b-w (Grade 4)
Level B – BU-8088	4-H 8088 a-w (Grade 5), 4-H 8088 b-w (Grade 6)
Level C – BU-8089	4-H 8089 a-w (Grade 7), 4-H 8089 b-w (Grade 8), 4-H 8089 c-w (Grade 9)
Level D – BU-8090	4-H 8090 a-w (Grade 10), 4-H 8090 b-w (Grade 11), 4-H 8090 c-w (Grade 12)

***OTHER ANIMALS: PETS**

Exhibit for all grade levels: An educational poster pertaining to a subject in your manual. All posters must be 22" x 28" and displayed horizontally. They should have stiff backing and be covered with plastic. Posters not having these characteristics will be dropped one ribbon placing. Any color of poster board may be used. Below is a list of ideas for posters. This list is not exclusive, feel free to be creative in poster topic ideas.

Level 1: Grades 3-5 An educational poster pertaining to a subject in your manual. Poster ideas include: Information about a pet, Interview pet owners, How to handle pets safely, Hazards to pet, Care, Cost of caring for a pet, Pet diets, Origin of a pet, etc.

Level 2: Grades 6-8 An educational poster pertaining to a subject in your manual. Poster ideas include: Digestive Systems, Compare pet food labels or supplies, Pet examination, Pet behavior, Pet communication, Pet photography, Careers relating to pets, etc.

Level 3: Grades 9-12 An educational poster pertaining to a subject in your manual. Poster ideas include: Pet Business Plan, Taxonomy, Genetics, Pet diseases, Environmental effects of pet products, Roles of pets in our society, etc.

NOTE: No live pets will be exhibited.

Not a state fair exhibit.

Manual

Level 1 – BU – 6359

Level 2 – BU – 6360

Level 3 – BU – 6361

Record Sheet

4-H 528 General (All Levels)

PHOTOGRAPHY

Requirements

1. All images are to be original images taken by the 4-H member.
2. Complete a 4-H Photography Record Sheet each year.
3. Photos must have been taken since the last project entry date of the county fair.
4. All poster exhibits are to be mounted on a background board 22 inches by 28 inches, 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 (Plastic sleeves are available from the Extension Office).
5. Place standard identification label in the lower right hand corner on poster boards and salon prints. Place your identification label on your board and under your plastic if at all possible.
6. Number photo prints on your print boards 1 to 10.
7. Captions under photographs are not recommended nor are fluorescent posters.
8. Salon prints are one print, either Black & White or Color, printed horizontally or vertically. The print must be mounted on a standard 16 by 20 inch salon mount, displayed vertically and covered with plastic.
9. Sepia tone photographs (mono chromatic) are entered under the Black and White classes.
10. Pictures on posters can be horizontal or vertical.

Mounting and Labeling:

- The mounting may be of any color or texture. The pictures are to be neatly and securely mounted. Dry mounting tissue is best.
- 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.
- The exhibit entry tag provided by the county Purdue Extension office is to be placed in the exhibit's lower right hand corner.

Requirements

Level 1 – Grades 3, 4, and 5

You choose either type of prints to exhibit and choose to perfect your skills in either or both. 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:** “Capturing Memories” – EXHIBIT: 10 black & white pictures, none of which is larger than 4" by 6", nor smaller than 3 1/2" by 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 for your prints. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.
2. **Color Prints:** “Experiences in Color” – EXHIBIT: 10 color pictures, none of which is larger than 4" by 6", nor smaller than 3 1/2" by 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 for your prints. See mounting and labeling instructions section. Your prints may be a mix of digital and/or standard development.
3. **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, 7, and 8

You may choose from the class list below:

1. **Black & White Prints:** "Photography is Fun" – EXHIBIT: 10 black & white pictures, none of which is larger than 5" by 7" nor smaller than 2" by 3 ½", 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". See mounting and labeling instructions section. Your prints may be a mix of digital and standard development.
2. **Color Prints:** "Adventures in Color" – EXHIBIT: 10 color pictures, none of which is larger than 5" by 7" nor smaller than 2" by 3 ½", 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". See mounting and labeling instructions section. Your prints may be a mix of digital and standard development.
3. **Color Salon Print:** Exhibit one 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.
4. **Black and White Salon Print:** Exhibit one black and white salon 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.
5. **Creative/Experimental Salon Print:** EXHIBIT: Any modified image may be exhibited as creative/experimental. One black & white and/or 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.
6. **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, 10, 11, and 12

You may choose from the list below:

1. **Black & White Prints:** EXHIBIT: 10 black and white pictures, none of which is larger than 8" by 10" nor smaller than 2" by 3 ½", 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. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced and/or standard development.
2. **Color Prints:** EXHIBIT: 10 color pictures, none of which is larger than 8" by 10" nor smaller than 2" by 3 ½", 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. See mounting and labeling instructions section. Your prints may be a mix of digital, digitally enhanced and/or standard development.

3. **Color Salon Print:** EXHIBIT: one 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.
4. **Black & White Salon Print:** EXHIBIT: one 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.
5. **Creative/Experimental Salon Print:** EXHIBIT: Any modified image may be exhibited as creative/experimental. One black & white and/or 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.
6. **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.

4-H members may choose to enter one project in each category for their level.

An overall Grand Champion and Reserve Grand Champion will be chosen for the following categories: Prints (color or BW) and Salon (color or BW).

State Fair – Counties may send two entries from Level 1, four entries from Level 2, and four entries from Level 3 for a total of ten exhibits. Being selected a class winner may not be an automatic State Fair entry. The judges will need to choose the best from each level.

Manual

Level 1: PC1
 Level 2: PC2
 Level 3: PC3

Record Sheet

4-H 621 – W (All grades)

Other Resources

*RECYCLING

The recycling project involves learning what you can do in your home and community to reduce, reuse, recycle, and recover materials we use in our everyday lives.

Divisions:

Level A – Grades 3-4

Level B – Grades 5-6

Level C – Grades 7-9

Level D – Grades 10-12

Your project should be based on one of the following guidelines:

- The material is reshaped from one form to another
- The material is reprocessed from one form to another
- The material is redesigned into a different type of product

Projects will be judged based on originality, creativity, and the exhibitor's use of discarded, recyclable materials. 4-H'ers should take note that new items purchased specifically for this exhibit defeat the purpose of the goal of recycling. Exhibits should not be larger than a table or floor display unless prior arrangements are made with the Extension Office.

Examples of possible exhibit items are: clothing, furniture, mechanical parts, bottles, greeting cards, ornaments, etc. Creativity in utilizing items is unlimited.

Project requirements (All Divisions):

- Complete 2 activities per year from the project manual.
- Complete project record sheet, making sure to include before and after pictures.
- Exhibit an item made from recyclables.

OR

Exhibit a 22"x28" poster, displayed horizontally, on a topic covered in the project manual or another recycling topic.

Manual

Recycling Levels A & B

Recycling Levels C & D

Record Sheet

Washington Co. Recycling Record Sheet

Washington Co. Recycling Record Sheet

SEWING

1. All 4-H Sewing members planning to exhibit their project at the fair are required to participate in the construction judging held prior to the Fair. Those 4-H members choosing to exhibit a wearable item must participate in the construction judging, but are not required to participate in the 4-H Fashion Revue. 4-H members in the Fashion Revue must attend the judging prior to the Fair and the public Fashion Revue at the Fair.
2. All wearable sewing exhibits must be brought on hangers.
3. In case of figure irregularity, attach note explaining why garment differed from the pattern.

WHAT YOU WILL EXHIBIT – Each 4-H member may exhibit the wearable exhibit, the non-wearable exhibit, or both exhibits. An item from each grade in wearable and non-wearable will be selected to exhibit at the state fair.

Level A: Grade 3:

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.

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.

Include at least 2 skills in the exhibit:

Insert elastic or drawstring	Sew and trim a crotch curve
Machine topstitch hems	Use a simple seam finish
Stitch in the ditch	

Level A: Grade 4

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.

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.

Seam finishes are recommended on all exposed seams. Include at least 2 skills in the exhibit:

Use interfacing	Trim and grade seams
Staystitch and understitch	Work with fiberfill
Apply a facing or binding	Machine topstitch hems
Stitch curved seams	

Level B: Grade 5

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.

Non-wearable: Pillow lap quilt (quillow); OR Structured duffel bag, totebag or backpack; OR Sewn hat OR similar sewn article. Attach Sewing Skills Card (4-H 926c-w) to the exhibit.

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	Sew with knit
Gather fabric	Insert elastic
Insert a zipper	Apply facings
Use a drawstring	Sew buttons
Hand-stitch a hem	Apply binding
Sew a simple sleeve	Use batting
Apply purchased trim or ribbons	Sew patch or inseam pockets
Use a simple lining	Do a machine blind hem
Apply machine topstitching	Do a machine topsitched hem

Level B: Grade 6

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.

Non-wearable: Pillow sham with button or zipper closing, appliquéd design, piping or ruffle. Make your own pillow form; OR Totebag 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 provided in manual). Attach Sewing Skills Card (4-H 926D-W) to the exhibit.

Seam finishes are recommended on all exposed seams (except knits). Interfacing, understitching and trimming should be used when appropriate. Choose at least 4 of these additional skills for each sewn exhibit.

Make darts	Sew facing	Set in sleeves
Apply ribbings	Insert a lapped zipper	Sew a simple collar
Hand-stitch a hem	Do a machine blind hem	Make buttonholes
Construct with a serger	Sew tucks or pleats	Sew with knit
Sew ruffles	Match fabric design	Hand sew buttons
Use fiberfill	Apply trim	Apply machine appliquéd
Sew a simple lining	Sew patch pockets	Insert piping
Apply bindings	Apply machine topstitching	Sew inseam pockets
Do a machine topsitched hem		

Level C: Grade 7

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.

Non-wearable: Dressed, jointed (with sockets) stuffed animal; OR Sewn item for holiday or special occasion or similar sewn article; OR Construction techniques sample notebook (following instructions provided in manual). Attach Sewing Skills Card (4-H 927c-w) to the exhibit.

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	Attach cuffs	Apply machine embroidery
Apply binding	Set in sleeves	Apply machine or hand appliquéd
Sew facing	Sew lining	Apply ribbing
Apply ruffles	Apply a collar	Insert piping

Sew on buttons	Use doll joints	Make buttonholes
Use fiberfill	Apply inseam pockets	Apply trims
Apply patch pockets	Apply front hip pockets	Use a twin needle
Match fabric design	Apply tucks/pleats	Construct with a serger
Apply machine topstitching	Do machine quilting	Insert a lapped zipper
Insert a separating zipper	Insert a fly front zipper	Do a machine topstitched hem
Do a machine blind hem	Insert an invisible zipper	Do a hand-stitched hem

Level C: Grades 8 & 9

Wearable: Same as fashion revue categories. Attach Sewing Skills Card (4-H 928c-w) to the exhibit.

Non-wearable: Sewn items for your home; OR Construction techniques sample notebook; OR Sewing machine survey. (See instructions provided in manual). Attach Sewing Skills Card (4-H 928c-w) to the exhibit.

Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics.) Interfacing, understitching and trimming should be used when appropriate. In addition, choose at least 6 of these skills for each sewn exhibit:

Make tucks	make pleats	apply machine or hand appliqué
Add lining	insert elastic	apply machine topstitching
Add facings	add boning	insert an invisible zipper
Add plackets	apply a collar	insert a separating zipper
Add lapels	insert piping	insert a fly front zipper
Make sleeves	make a neckband	insert a lapped zipper
Add gathers	add vents	insert a hand picked zipper
Apply trim	sew buttons	do a machine topstitched hem
Apply ribbing	add underlining	do a machine blind hem
Add drawstring	add ruffles	do a hand-stitched hem
Use shaped seams	sew with knit	make self-covered buttons
Use fiberfill	make button loops	use specialty threads
Add a waistband	do hand beading	make self-enclosed seams
Add patch pockets	add inseam pockets	sew with difficult fabric
Make darts	attach cuffs	do machine or hand quilting
Add front hip pockets	add welt pockets	construct with a serger
Match fabric design	use twin needle	make machine buttonholes
Make shoulder pads	create bound edges	make bound buttonholes
Apply machine embroidery		

Level D: Grades 10-12

Wearable: Same as fashion revue categories. Attach Sewing Skills Card (4-H 928c-w) to the exhibit.

Non-wearable: Sewn items for your home; OR Construction techniques sample notebook; OR Sewing machine survey. (See instructions provided in manual). Attach Sewing Skills Card (4-H 928c-w) to the exhibit.

Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics.) Interfacing, understitching and trimming should be used when appropriate. In addition, choose at least 6 of these skills for each sewn exhibit:

Make tucks	make pleats	apply machine or hand appliqué
Add lining	insert elastic	apply machine topstitching
Add facings	add boning	insert an invisible zipper

Add plackets	apply a collar	insert a separating zipper
Add lapels	insert piping	insert a fly front zipper
Make sleeves	make a neckband	insert a lapped zipper
Add gathers	add vents	insert a hand picked zipper
Apply trim	sew buttons	do a machine topstitched hem
Apply ribbing	add underlining	do a machine blind hem
Add drawstring	add ruffles	do a hand-stitched hem
Use shaped seams	sew with knit	make self-covered buttons
Use fiberfill and/or batting	make button loops	use specialty threads
Add a waistband	do hand beading	make self-enclosed seams
Add patch pockets	add inseam pockets	sew with difficult fabric
Make darts	attach cuffs	do machine or hand quilting
Add front hip pockets	add welt pockets	construct with a serger
Match fabric design	use twin needle	make machine buttonholes
Make shoulder pads	create bound edges	make bound buttonholes
Apply machine embroidery	piece quilted items	hand/machine beading
Make a reversible item		other skills not listed above
Coordination of fabric for quilted item		

Advanced Sewing Wearable Exhibits Levels C (Grades 8 & 9) & D & Senior Fashion Revue Categories:

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.

Informal or Casual Wear: A complete outfit of 1 or 2 pieces suitable for school, weekend, or casual, informal activities.

Dress Up: This is suitable for special, church, or social occasions which are not considered to be formal. It may be an outfit of 1 or more pieces with or without its own costume coat or jacket (lined or unlined). This is not an outfit which would be worn to school, weekend, or casual, informal activities.

Separates: Consists of three (3) garments which 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.

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.

Free Choice: A complete outfit comprised of garments which do not fit in the other classifications. Examples include: tennis wear, swim wear, athletic or sportswear; lounge wear; riding habits; historic, dance, theatrical, or international costumes, capes, and unlined coats.

State Fair – 1 wearable and 1 non-wearable for each grade will be eligible for the state fair.

Manual

Level A – 4-H 925

Level B – 4-H 926

Level C – 4-H 927

Level D – 4-H 928

Record Sheet

4-H 925 a-w (Grade 3), 4-H 925 b-w (Grade 4)

4-H 926 a-w (Grade 5), 4-H 926 b-w (Grade 6)

4-H 927 a-w (Grade 7), 4-H 927 b-w (Grade 8-9)

4-H 928 a-w (Grade 10-12)

Sewing Skills Cards

4-H 925c-w, 4-H 926c-w, 4-H 927c-w, 4-H 928c-w

Resource

4-H 924 Let's Sew

SHOOTING SPORTS EDUCATION

Create an exhibit that shows the public what you learned in shooting sports education this year. Poster exhibits must be displayed horizontally, sized 22" x 28", mounted on a firm backing (foam-core board or other), and covered in clear plastic or other transparent material. Be sure to include a label with your name, grade, and county. Title your exhibit with one of the following: archery, hunting, muzzleloading, pistol, rifle, shotgun, or shooting sports. You can use a subtitle, if you wish.

Important Notes:

- Firearms or ready to shoot bows are not allowed to be exhibited. Unstrung bows are permissible.
- Live ammunition is not allowed to be exhibited (no powder 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 broadhead arrows 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.

*** Do not turn in your notebook that contains handouts from shooting sports meetings. If a notebook is turned in, it must follow the project guidelines listed below. Exhibit only one of the options for your level.**

Level 1: Grade 3 - 5 – Poster showing what was learned in the 4-H Shooting Sports project.

Level 2: Grade 6 -8 – Choose one of the following options. Exhibits MUST meet the size restrictions or be presented in a notebook. 1) Poster, 2) Small project or model no larger than 18 x 18 x 36 inches. 3) Notebook, showing how a shooting sports item was made, or project completed.

Level 3: Grade 9 - 12 – Choose one of the following options. 1) Poster, 2) Project or model (any size), 3) Notebook, showing how a shooting sports item was made, or project completed.

Independent Study: Grade 9-12

Advanced topic – Learn all you can about an advanced shooting sports topic and present it on a poster/or notebook. Include a short manuscript, pictures, graphs, and list of 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.”

State Fair – 1 exhibit from each level will be eligible for the state fair.

It is recommended that all 4-H members entering the 4-H Shooting Sports project take the Hunter Education class first unless they currently have a hunter education card. At the start of the project, 4-H members will select a discipline (Archery, Pistol, Shotgun, or Rifle) and stay in that discipline for that year. Upon completing the second year of the project, the 4-H members may select the same discipline or another discipline that is offered.

1. No loud noise or disorderly conduct will be tolerated. All members will keep a notebook for their discipline. This notebook should be brought to each meeting. All members are expected to follow all classroom and range rules for each discipline. The instructors are the first and final authority in the interpretation of all rules.

2. It is recommended that new members who do not already have a "Hunter Education Card" take and pass the DNR "Hunter Education Course" with a minimum score of 80%. All participants who participate and pass the course will be given a hunter education card and certificate.

3. Each 4-H Shooting Sports member will be charged \$10.00 dues (or \$15.00 for a family). Fees can be waived in hardship cases. The \$10.00 fee helps cover the cost of the equipment and supplies.

4. Members will not be allowed to use their personal firearms, except in Archery with prior approval from the Archery Instructor.

5. Any Instructor on the Washington County 4-H Shooting Sports Committee has the right to bar any member from range participation. Any violation of safety/range rules or an Instructor's command is grounds for automatic dismissal.

6. Parents are welcome and encouraged to attend but are also subject to all of the rules and regulations of the club and to all the safety and range rules in the disciplines.

7. Situations not covered by the mentioned rules will be at the discretion of the Wash. Co. 4-H Shooting Sports Coordinators and Instructors.

Manual
(None)

Record Sheet
4-H 950C-W

SMALL ENGINES

Note: The following poster/display requirements and small engine display requirements apply to exhibits for all three levels.

Poster Requirements

- Size: 22" x 28"
- Mounted on stiff backing – foam board, thin plywood, peg board or very stiff cardboard.
- Displayed horizontally.
- Covered in plastic.
- 4-H member identification card, i.e. name, club, county, and level.

Display Board Requirements

- No more than 36"x36" and free standing
- 3-dimensional display
- All items to be securely fastened
- 4-H member's exhibit card to be secured in lower right hand corner

Exhibits for Level 1 (Grades 3-5): Crank It Up!

Educational display: Any educational display related to what you have learned in this project.

Some possibilities of exhibits might include:

- 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 related to what you have learned about four-stroke engines.
- An educational display showing proper maintenance and care of a 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.)

Exhibits for Level 2 (Grades 6-8): Warm It Up!

Educational display: Any 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 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.
- Carburetor parts display board with a brief explanation of the purpose of the parts and how they work together.
- An income and expense record of your lawn mowing business, including costs, hours worked, pay for individual jobs, etc.

Exhibits for Level 3 (Grades 9-12): Tune it Up!

Educational 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 engine designs.
- Any educational display related to what you have learned in this project.

State Fair: One exhibit from each level will be eligible for the state fair.

Manual

Level 1: BU-8186

Level 2: BU-8187

Level 3: BU-8188

Record Sheet

4-H 528 W – all levels

SOIL AND WATER SCIENCE

Create an exhibit that shows the public what you learned in soil and water science project this year. Poster exhibits must be displayed horizontally, sized 22" X 28" foam-core 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.

LEVEL 1 – Grade 3-5

- A poster related to an activity from the level 1 manual
- A poster and/or notebook of a soil or water related science experiment appropriate for grades 3-5

LEVEL 2 – Grade 6-8

- A poster related to an activity from the level 2 manual
- A poster and/or notebook of a soil or water related science experiment appropriate for grades 6-8

LEVEL 3 – Grade 9-12

- A poster related to an activity from the level 2 manual
- A poster and/or notebook of a soil or water related science experiment appropriate for grades 9-12
- Independent study – 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 – 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."

State Fair – 1 exhibit from each level will be eligible for the state fair.

Manual

Level A 4-H 795
Level B 4-H 796
Level C 4-H 797
Level D 4-H 798

Record Sheet

4-H 528 – General
All levels

Other Resources

Soil Block Cutter 4-H 834
Soil Profile Mounting Card & Blotting Paper
4-H 835

SPORTS

Level 1 (Grades 3-5)

Select a sport that you are involved in or would like to learn more about. Exhibit a 22"x28" horizontal poster covered in plastic about one of the topics listed below and how it relates to your selected sport. Topics may not be repeated from year to year unless a different sport is selected.

- Your Favorite Player
- Preparation/Warm-up
- Sportsmanship
- Value of Exercise
- Safety
- Your Participation

Level 2 (Grades 6-8)

Select a sport that you are involved in would like to learn more about. Exhibit a 22"x28" horizontal poster covered in plastic about one of the topics listed below and how it relates to your selected sport. Topics may not be repeated from year to year unless a different sport is selected.

- Your Favorite Team
- Rules
- Equipment Used and Its Care
- Special Skills
- History of Your Sport
- Techniques

Level 3 (Grades 9-12)

Select a sport that you are involved in would like to learn more about. Exhibit a 22"x28" horizontal poster covered in plastic about one of the topics listed below and how it relates to your selected sport. Topics may not be repeated from year to year unless a different sport is selected.

- Teaching Others
- Officiating
- Mental Toughness
- Sports Careers
- Time Management
- Scoring Systems
- Conditioning/Nutrition
- Goal-Setting

Manual

None

Record Sheet

4-H 528- W – all levels (General)

SPORTFISHING

Create an exhibit that shows the public what you learned in the sport fishing project this year. Posters are displayed horizontally, 22" x 28," and mounted on a firm backing and covered in clear plastic or other transparent material. Be sure to include your exhibit label with your name, grade, and county. Choose one of the topics listed below, appropriate for your grade in school, and create a poster based on what you learned from the activity. Use that topic for your exhibit title, so the judges know which activity you completed. You can also use a creative sub-title if you wish.

Level 1 (Grades 3-5): Exhibit a poster based on one of the following activities:

- 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 of 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 the following activities:

- 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 wooly 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 the following activities:

- 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 Know Your Fish - 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.

Independent Study: Grades 9-12

- 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.”
- 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.”

State Fair – One State Fair entry per level

Manual

Level 1 – BU-7598
 Level 2 – BU-7599
 Level 3 – BU-7600

Record Sheet

4-H 7598 a-W

***STRAWBERRIES**

Division 1 -- Exhibit one potted plant.

1. Plant a small number of plants the first year--25 to 100.
2. Go on a tour of strawberry patches that belong to other 4-H members or local farms.
Take the tour during mid-June to mid-July so the plants will have had a chance to grow.
3. Complete as much of your strawberry record as you can.

Division 2 & Advanced -- One container of frozen strawberries with caps left on and frozen whole with no sugar added.

1. Go on a tour of strawberry patches that belong to other 4-H members or local farms.
2. Complete your strawberry record.

State Fair – Not a state fair project.

Manual
(none)

Record Sheet
4-H 528 (General)

Other Resources
Growing Strawberries
HO-46-W

VETERINARY SCIENCE

All posters should be 22" x 28" and displayed horizontally. They should have stiff backing and be covered with plastic. Posters not having these characteristics will be dropped one ribbon placing. Any color of poster board may be used. 4-H veterinary science exhibits should be educational in nature covering one or more of the topics presented in the members' manual and/or found in the 4-H Veterinary Science Leaders Guide. An educational exhibit is one that should be able to teach other people about your topic. Chose a topic you think is interesting and apply your imagination.

Level 1 (Grades 3-5) -- Exhibit a poster related to Chapter 1, 2, or 3 of the manual.

Level 2 (Grades 6-8) -- Exhibit a poster, display, or quiz board related to Chapter 1, 2, or 3 of the manual. Display or quiz board should be no larger than 36"x36"x36".

Level 3 (Grades 9-12) -- Exhibit one of the following:

(Reports should be typed, and reports should be attached to exhibits)

- Develop and assemble a teaching aid. Display Teaching Aid and two page typed report.
- Develop a project in conjunction with a veterinarian. Display the project with a report of the results, recommendations, findings, and conclusions.
- Write a one page outline of a workshop or demonstration you presented.

NOTE: Place any reports in a large envelope that is securely attached to the back of your exhibit.

State Fair – 1 exhibit from each level.

Manual

Level 1 BU 8048

Level 2 BU 8049

Level 3 BU 8050

Record Sheet

4-H 528 All Divisions

WEATHER & CLIMATE SCIENCE

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. 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 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.

Level 1

- A poster related to an activity from the level 1 manual
- A poster and/or notebook of a weather or climate related science experiment appropriate for **grades 3-5**

Level 2

- A poster related to an activity from the level 2 manual
- A poster and/or notebook of a weather or climate related science experiment appropriate for **grades 6-8**

Level 3

- A poster related to an activity from the level 3 manual
- A poster and/or notebook of a weather or climate related science experiment appropriate for **grades 9-12**

Independent Study - 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 - 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."

State Fair – 1 exhibit from each level.

Manual

4-H-1023 (Level 1)
4-H-1024-W (Level 2)
4-H-1025-W (Level 3)

Record Sheet

4-H-1023b-W (Levels 1-4)
4-H-NR-AT (Indep. Study)
4-H-NR-M (Mentoring)

Other Resources

*WEEDS

Division 1 – (May do 1 to 2 years)

1. Collect and identify 15 different weeds from the common and/or invasive plants of Indiana. Your collection of weeds must be taken from the list of common weeds in publication 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year. Each specimen should show flower and/or fruit, leaf, stem, and root characteristics, all of which are necessary for complete and accurate identification.
2. Press weeds (see page 4, 4-H 247-W).
3. Mount each individual weed on 8 ½" x 11" sheet of card stock board by either taping or gluing the plant to it.
4. Put the sheet containing the plant specimen in a plastic sheet protector. Place the pages in a three-ring binder.
5. Label (label size, 1 ½" x 2") each weed as to:
 - Name of weed (common and scientific names-remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - How it reproduces (seed and/or underground root parts)
6. Answer question on record sheet 4-H 247A-W, and put a copy of the record sheet in your notebook.
7. In year two, exhibit a different set of weeds, not repeating the ones from the year one.

Division 2 – (May do 1 to 2 years)

1. Collect and identify five noxious and five poisonous weeds of Indiana. Your collection of weeds must be taken from the list of noxious and poisonous weeds in publication 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year. Each specimen should show flower and/or fruit, leaf, stem and root characteristics, all of which are necessary for complete and accurate identification.
2. Press weeds (see page 4, 4-H 247-W).
3. Mount each individual weed on 8 ½" x 11" card stock by either taping or gluing the plant to the poster board.
4. Put the sheet containing the plant specimen in a plastic sheet protector. Place the pages in a three-ring binder.
5. Label (label size, 1 ½" x 2") each weed as to:
 - Name of weed (common and scientific names-remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - How it reproduces (seed and/or underground root parts)
6. Answer question on record sheet 4-H 247B-W, and put a copy of the record sheet in your notebook.
7. In year two, exhibit a different set of weeds, not repeating the ones from year one.

Division 3 -- (May do multiple years)

1. Collect and identify 15 different weed seeds from mature plants from the list of common, noxious, or poisonous weeds in 4-H 217-W. Five of these weed seeds must be taken from the list of noxious weeds in 4-H 247-W. Be aware that some weeds may be more prevalent at different times of the year.
2. Clean the seeds and separate from the fruit. (See page 3 of 4-H 247-W).
3. Place one tablespoon of the dried weed seeds in a plastic zippered bag.

4. Mount the plastic bags on poster board (22"x28"). Mounting must be made to exhibit the poster in a horizontal position. Place your name, county, and club name in the lower right corner of the poster.
5. Label (label size, 1 ½" x 2") each weed as to:
 - Name of weed (common and scientific names-remember to italicize or underline scientific names)
 - Where found (lawn, garden, pasture, etc.)
 - Annual, biennial, or perennial.
6. Answer question on record sheet 4-H 247C-W, and put a copy of the record sheet in your poster.
7. In each consecutive year, exhibit different seeds, not repeating the ones from the year before.

Manual

(Division 1-3) 4-H 247 -W

Record Sheet

Div. 1 – 4-H 247A-W

Div. 2 – 4-H 247B-W

Div. 3 – 4-H 247C-W

Other Resources

Common Weed Seedlings
of the North Central States
NCR-607

WILDLIFE

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.

Level 1 (Grades 3-5)

- 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

Level 2 (Grades 6-8)

- 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

Level 3 (Grade 9-12)

- 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."

State Fair – 1 exhibit for each level.

Manual

Level 1 4-H-1044
Level 2 4-H-1046-W
Level 3 4-H-1048-W

Record Sheet

4-H-1044a-W
(all levels)

Other Resources

WOODWORKING

Project Completion Recommendations

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 3-4)

Exhibit

- One article of choice made during the current 4-H program year demonstrating a minimum of five techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills Chart 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.

OR

- Exhibit a poster on any topic covered in the Level 1 manual.

Level 2 - (Grades 5 - 6)

Exhibit

- One article of choice made during the current 4-H program year demonstrating a minimum of five 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.

OR

- Exhibit a poster on any topic covered in the Level 2 manual.

Level 3 - (Grades 7 - 9)

Exhibit

- One article of choice made during the current 4-H program year demonstrating a minimum of five 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.

OR

- Exhibit a poster on any topic covered in the Level 3 manual.

Level 4 - (Grades 10 -12)

Exhibit

- One article of choice made during the current 4-H program year demonstrating a minimum of five 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.

OR

- Exhibit a poster on any topic covered in the Level 4 manual.

State Fair – 1 project from each level will be eligible for state fair.

Manual

(Level 1 (A)) BU-6875

(Level 2 (B)) BU-6876

(Level 3 (C)) BU-6877

(Level 4 (D)) BU-6878

Record Sheet

4-H 528 (General)

Woodworking Plans

Level 1 – 4-H 1047

Level 2 – 4-H 1048

Woodworking Skills Chart – 4-H 6875c-W

Woodworking Skills Sheet – 4-H-6875d-W