

**HENDRICKS
COUNTY
4-H HANDBOOK**
NON-LIVESTOCK PROJECTS



2021

**2020 Miss Hendricks County
4-H Fair Queen
*Kyla Smith***



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PLEASE NOTE: Any changes/updates from the previous year will be BOLDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year!

Purdue University Cooperative Extension Service - Hendricks County

4-H Fairgrounds & Conference Complex

**1900 East Main Street,
Post Office Box 7
Danville, Indiana 46122-0007
Phone (317)745-9260**

Hours: Monday thru Friday - 8:00 am – 4:00 pm

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4-H Fairgrounds & Conference Complex

PATTIE SHERRILL

Rental Coordinator
4-H Fairgrounds & Conference Complex

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2021 HENDRICKS COUNTY 4-H YOUTH COUNCIL

BROWN TOWNSHIP
Becky Daily

CENTER TOWNSHIP
Cory Fry

CLAY TOWNSHIP
Roy Mundt

EEL RIVER TOWNSHIP
Beth VanSlyke

FRANKLIN TOWNSHIP
Jennifer Austin

GUILFORD TOWNSHIP
Mike Hayden

LIBERTY TOWNSHIP
Cindy Turner

LINCOLN TOWNSHIP
Tami Carnes

MARION TOWNSHIP
Chase Fleece

MIDDLE TOWNSHIP
Rick Oliver

UNION TOWNSHIP
Kayleigh Williams

WASHINGTON TOWNSHIP
Angie Williams

JUNIOR LEADER
Joshua Roderick

JUNIOR LEADER

ADULT LEADER REP
Hal Truax

ADULT LEADER REP
Kris Brock

AT LARGE
Melanie Sims

AT LARGE
Brenda Lightner

AT LARGE
Katie Smith

AT LARGE
Brian Saylor

AT LARGE
Angie Hering

AT LARGE
Shirley Maloney

FAIRBOARD REP
Tim Whicker

BUSINESS REP
Todd Deno

2021 HENDRICKS COUNTY 4-H FAIRBOARD

BROWN TOWNSHIP
Chris Menchhofer

CENTER TOWNSHIP
Jim Williams

CLAY TOWNSHIP
Tim Whicker

COUNTY COMMISSIONER
Phyllis Palmer

COUNTY COUNCIL
Dave Wyeth

EEL RIVER TOWNSHIP
Staci Williams

EXECUTIVE DIRECTOR OF FACILITIES
Steve Patterson

EXTENSION EDUCATORS
Jeff Pell, Kati Sweet, and Beth Switzer

FACILITIES MANAGER
Chris Feuquay

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GUILFORD TOWNSHIP
Bruce Hazelgrove

LIBERTY TOWNSHIP
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LINCOLN TOWNSHIP
Brad Beeson

MARION TOWNSHIP
Tim Wright

MIDDLE TOWNSHIP
Rick Oliver

UNION TOWNSHIP
Jim Broyles

WASHINGTON TOWNSHIP
Melissa Sexton

FIRST FAIR DISTRICT
Dave Mood

SECOND FAIR DISTRICT
Robert Mathis

THIRD FAIR DISTRICT
Dave Frazee

4-H LEADER REP
Kristi Feeney

4-H LEADER REP
Susan Gackenhaimer

4-H CLUBS

Brown/Lincoln Twp.

Bulldog Clovers

Leaders: Lucy Karam, Patty Breslin,
Amy Kishton, Andrea Hatfield

Clover Club

Leaders: Kristi Feeney

Hoosier 4-Hers

Leaders: David & Melanie Sims

Sodbusters

Leader: Shirley Maloney

Center Twp.

Center Stage 4-Hers

Leader: Meg Forster

Gifted 4-Hers

Leaders: Kristi Farley,
Janet Cunningham

Clay / Franklin Twp.

Amo Aces

Leader: Laura Searcy and Susan Gackenheimer

Working Wonders

Leaders: Sara Spurlock and
Dawn West

No Township Designation

Discovery Club

Leader: Becky Daily, Stephanie Neier, Carla
Huntsman

Project Clubs

Beef Club

Leaders: Kris Brock, Kevin Burger, and
Jennifer Hankins

Bridle Bunch/Horse & Pony

Leaders: Vicki Benge and Jennifer Buckingham

Happy Heelers Dog Club

Leaders: Dixie Harnishfeger

Outdoor Skills / Shooting Sports

Coordinator: RJ Cope

Eel River Twp.

Country Clovers

Leaders: Staci Williams and Beth VanSlyke

Guilford Twp.

4-H Explorers

Leaders: Karen Gerhart, Jennifer Miner, and
Diana Weatherly

Lucky Clovers

Leaders: Karen Hayden and Luann Heald

Union Twp.

4-Leaf Clovers

Leader: April Randle

Washington Twp.

Clever Clovers

Leader: Jennie Thompson

Washington Winners

Leaders: Amy Sarkar

Middle Twp.

Guys & Gals

Leaders: Ashley Hanshew

Pittsboro Trailblazers

Leaders: Hal & Susie Truax, Ethan Truax, Simone
Kirts, and Richard Oliver

Marion Twp.

Happy Farmers

Leaders: Janet Stephenson and
Tim Whicker

Rabbit Club

Leader: Traci Drummond

Sheep Club

Leaders: David Mood, Rhenda Mood, Todd
Deno and Jennifer Deno

Swine Club

Leaders: Robert Mathis, Erin Garland, Juli
Woodrum, and Jessica Eaton-Flohr

HENDRICKS COUNTY AND INDIANA 4-H POLICIES AND PROCEDURES

The Indiana 4-H Program Philosophy and Expectations:

The Indiana 4-H 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 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 Policy and Procedures Book sets out certain standards and guidelines to be used 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 Youth 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 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 and support family involvement.

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.

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 3rd grade 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 youths who enroll in 3rd grade and are retained a grade in public 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 (1) 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 youths 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 youths 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 regardless of 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 school year. Each member should enroll in the division of a project 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, 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. 4-H Enrollment is an annual process attained by completing individual 4-H enrollment via the 4-H Online enrollment process. Statewide 4-H Online enrollment occurs annually October 1 through January 15. The 4-H club year usually extends from one annual 4-H exhibit to the next.

Mini 4-H Non-Competitive Policy:

Mini 4-H is a program designed to encourage positive development of children, 1st through 2nd 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.

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; share-the-fun) 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.

Behavioral Criteria for 4-H Events and 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:

1. Dishonesty in connection with any 4-H activity by cheating or knowingly furnishing false information.
2. Alteration or unauthorized use of 4-H records.
3. Obstruction or disruption of any 4-H activity or aiding and encouraging other persons to engage in such conduct.
4. Failure to comply or aiding or encouraging other persons not to comply with specific terms and conditions of a given project, contest or activity.
5. Failure to comply with directions of 4-H officials acting in the proper performance of their duties.
6. 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, and/or state and/or national 4-H events, the following procedures will be followed.

1. The parents/legal guardians **may** be contacted to arrange transportation home for the violator(s)
2. The local Extension Educator **may** be notified.

Guidelines for Exhibition and Completion:

Following are policies that govern exhibition and completion of 4-H Projects:

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. All projects must be deemed safe by the Extension Educator for public display at the Hendricks County 4-H Fair. If not deemed safe for display, a photo will be substituted for display.

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. Participation 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 would 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 that year when they have (1) completed the 4-H member enrollment process prior to the established and published date for enrolling; (2) had an officially recognized 4-H volunteer/Extension Educator verify the existence of the completed project/subject or 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.

Participation:

Attendance and participation at 4-H meetings is highly encouraged as part of the overall educational experience. However, attendance or participation at club meetings cannot be required as a criterion for completion. 4-H club meetings should be of the quality that 4-H members should want to attend, participate and learn something beneficial. Rewarding 4-H club member and 4-H leaders for attendance and participation in club meetings, tours, workshops, local, and county exhibits, etc. is encouraged. The rewards for participation in 4-H meetings, tours, and activities should be significant enough to cause the 4-H member to see the advantage of reacting positively. 4-H club leaders and members of local clubs may establish goals for attendance, exhibits, completion, etc. to meet the criteria established for awards and recognition for their clubs as long as they do not conflict with stated county, area/or state policies.

Guidelines for Animal Exhibits: 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 legal guardians 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, llamas and alpacas may be leased subject to approval. Reminder: Dairy members may only lease dairy heifers at the State Fair.
- 4-H animals exhibited after the **May 15 State 4-H** animal ID deadline at any show by anyone other than the person 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 means that if the animal is exhibited at any show by anyone other than a person listed on the Indiana 4-H animal enrollment form, the animal 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 or parents, who may show each other's animals at any show during the year 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.
- 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 Exhibitors may receive clipping and grooming assistance from members of their immediate family who are no more than 2 generations removed from the exhibitor, from a current Indiana 4-H member, from approved 4-H Adult Volunteers that participated in the 4-H Livestock Volunteer Conference who are from the

4-H member's county of enrollment, and species specific club leaders on species show day. Example: Sheep club leaders may help groom sheep on sheep show day. We recognize that all family structures are different and the relatives assisting the 4-H member with their animal project may be different depending on the family so a very specific list of acceptable relatives may not be appropriate in all situations. Thus, we have worked on an adaptation to the grooming rule. This is meant to be inclusive while recognizing that 4-H family structures differ greatly depending on the situation. Obviously the intent is to include step, half and in-law relatives. Any person that does not meet the requirements listed above may assist with grooming if they have completed the Hendricks County 4-H Approved Animal Grooming Assistance Program paperwork and application by June 15th of the current year. Those who are a part of the Grooming Assistance Program agree to follow the rules and guidelines listed in the handbook and program paperwork.

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

NEW FOR 2021: The handbook has been separated into two sections – Non-Livestock Projects and Livestock Projects. For full details of 2021 required Animal ID and Project requirements, please see Livestock handbook guidelines when available!

PROJECT WORKSHOPS

Project Workshops are offered year-round with a variety of projects having workshops. Not ALL projects currently have workshops, but we are looking to add more every year. Current workshops include, but are not limited to:

- ATV: Safety
- Beekeeping
- Camping/Hiking
- Cat
- Cake Decorating
- Consumer Clothing
- Dog
- Electric
- Foods/Food Preparation/Microwave
- Goats
- Llama/Alpaca
- Poultry
- Photography
- Sewing
- Shooting Sports
- Small Engine
- Vet Science
- Woodworking

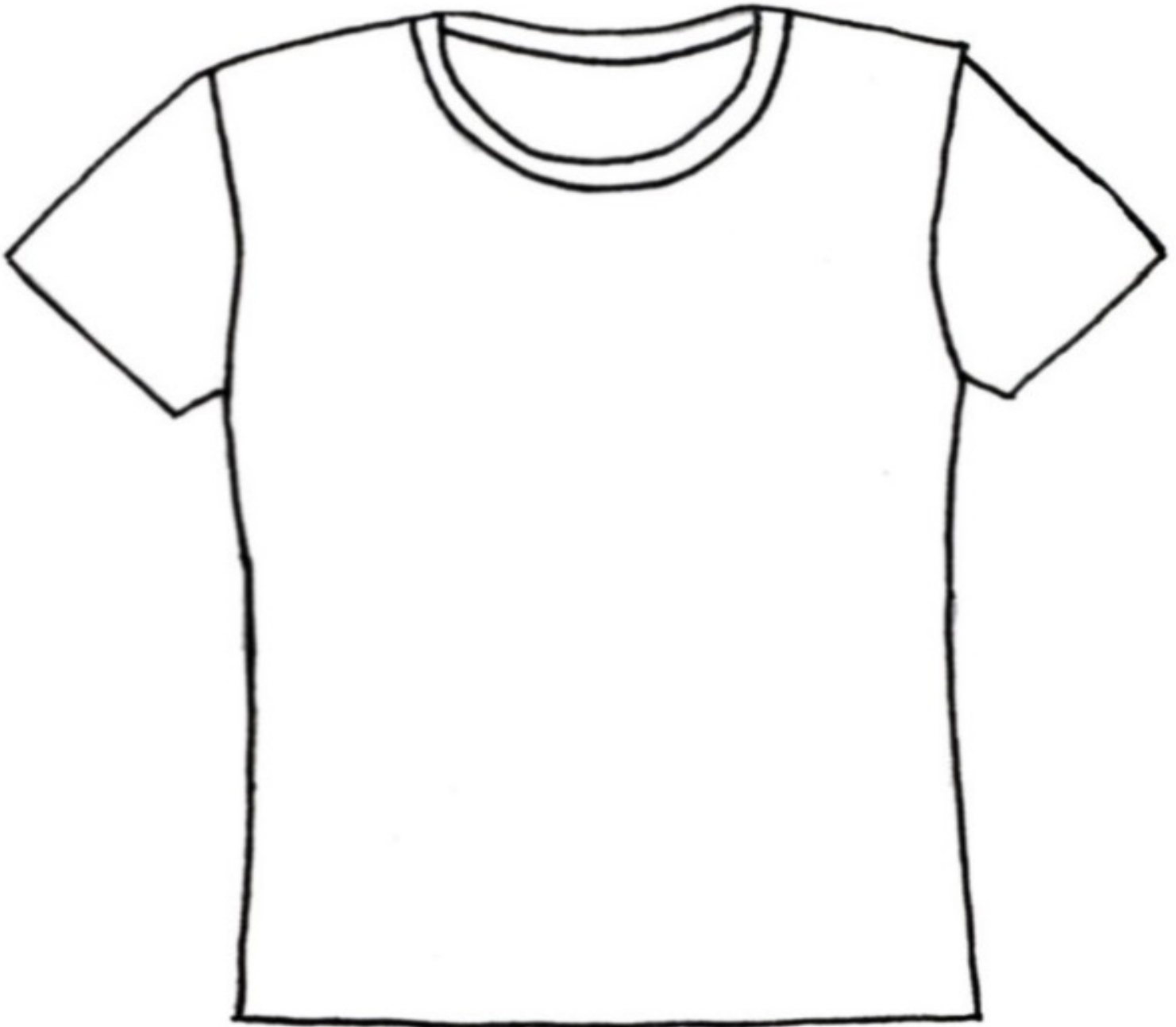
If you are interested in learning more about project workshops, please call the Extension Office – 317-745-9260. We are also always looking for more adult volunteers to help with workshops! If you would like to help teach a workshop, please contact the Extension Office.

2022 4-H T-Shirt Contest

Every year, the Hendricks County 4-H Adult Leaders sell T-shirts to raise money to support activities such as Mini 4-H Days, Fair, and other 4-H Events. In preparation for the 2022 4-H Year, we will be hosting a T-shirt design contest! Use this page to design your 4-H T-shirt for the 2022 4-H Year!

Rules:

1. All 4-H members may participate in the contest!
2. Designs must be submitted to the Hendricks County Extension Office by **Monday, August 2, 2021**.
3. Designs should be submitted on the form below using only one color of ink. This form will also be available on our website: <https://extension.purdue.edu/hendricks>.
4. The 4-H Clover must follow proper Clover usage guidelines that can be found here: <https://nifa.usda.gov/resource/4-h-name-and-emblem>.
5. Depending on the design and what the printers are capable of, the final design may need to be slightly tweaked to fit the shirt.
6. Winner will be announced by the start of enrollment for 2021-2022. The winner will receive prizes to be determined at a later date. The winning design will be the T-shirt for the 2021-2022 program year and will have the designer's name on the shirt. Good luck to everyone!



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 for use 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.

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.)

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.

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.

The grievance is initially heard by an unbiased, representative grievance sub-committee. 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 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; and one 4-H volunteer knowledgeable in the subject matter (project) of concern (this individual will vary dependent on issue raised with the grievance). The Purdue Extension Educator assigned to 4-H shall convene the group.

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.

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.

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.

HENDRICKS COUNTY 4-H PROGRAM POLICY

1. Any youth living in Hendricks County or other counties may become 4-H members if they are in the third grade as of January of the current year and may continue membership through the year they become a high school senior.
2. All Hendricks County 4-H volunteers are required to read and sign a 4-H Form 785 (Adult Behavioral Expectation) as well as completing a 4-H 784 (4-H Volunteer Application). Once these forms are received and approved by the Hendricks County 4-H Youth Development Educator, the individual will be notified. This signed document will be kept at the Hendricks County Extension Office. Volunteers must also complete and maintain a 4-H Online profile. As part of the profile, volunteers must complete the "Child Safety and Abuse Reporting" training mandated by Purdue University.
3. 4-H members are encouraged to attend all local 4-H Club meetings and activities.
4. 4-H members may exhibit or participate in any project or activity provided he/she meets the eligibility guidelines specified for each project or activity.
5. 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. For more information on 4-H Completion, please see page 13. All 4-H members are strongly encouraged to exhibit their project at the 4-H Fair to showcase their hard work.
6. 4-H members should be encouraged to enroll and exhibit in the project division or class where their abilities are and where learning can take place.
7. Projects are defined by Divisions, Levels, or other categories. Divisions are progressive with Division 1 being most elementary. Most new 4-H members should enroll in Division 1. Projects defined by Levels group participants by grade: Level 1 (3rd grade thru 5th grade); Level 2 (6th grade thru 8th) and Level 3 (9th grade thru 12th grade). Level A (3rd & 4th grade); Level B (5th & 6th grade); Level C (7th grade thru 9th grade); Level D (10th grade thru 12th grade). Some projects are based on a particular topic. Please refer to the specific project for category definitions.
8. 4-H members must advance in their 4-H project. They cannot repeat a previous year's project unless it is one which they failed to complete **or is allowed by project standards.**
9. The number of projects a 4-H member may enroll in a given year should be determined by the 4-H member with guidance from parents and 4-H leader. Each child's ability varies; thus, the number of projects taken yearly must be determined on an individual basis.
10. 4-H members are highly encouraged to complete projects in which they are enrolled.
11. 4-H projects must be completed after the previous Hendricks County 4-H Fair. Former 4-H exhibits completed by older siblings are prohibited at the Hendricks County 4-H Fair.
12. 4-H members are to complete their 4-H record books and white card entitled "My Record of 4-H Achievement" and turn them in to the club 4-H leader prior to the fair. Leaders will then record the record book grades on the white card and return books back to the 4-H members along with a 4-H Completion Card. The leaders will keep the member's white card and submit it to the Extension Office as part of the member's permanent record. As 4-H'ers enter their projects at the 4-H Fair, they must show their 4-H Completion Card to verify 4-H project record completion.
13. 4-H is a positive youth experience and does not tolerate use of illegal or addictive substances (alcohol, tobacco, and drugs). Any 4-H'er determined to be in possession of an illegal substance may not participate in any overnight 4-H programs or activities for the remainder of his/her 4-H career.
14. Purdue University, the Purdue Extension - Hendricks County Office, the Hendricks County 4-H and Ag Fair Association, and the Hendricks County 4-H Youth Council will not be responsible for any damage caused from accident, injury or otherwise which might occur to any person; or for the loss of property, exhibit, or otherwise.

4-H PLEDGE:

The 4-H Pledge states how 4-H goes about helping youth develop and grow in positive ways. As the pledge is recited, hand motions add extra emphasis to the head, heart, hands and health.

The “H’s” STAND FOR:

Head, Heart, Hands, and Health.

This is the 4-H pledge –

“I Pledge _

My Head to clearer thinking

My Heart to greater loyalty

My Hands to larger service

My Health to better living

For my club, my community, my country, and my world.”

4-H MOTTO:

“To Make the Best Better”

Its intent is to inspire young people to continue to learn and grow, to make their best efforts better through participating in educational experiences.

4-H COLORS:

Green and White

4-H EMBLEM:

The 4-H emblem is a four-leaf clover with the letter “H” on each leaf.

The four “H’s” stand for Head, Heart, Hands, and Health.

The leaves of the clover are green and the “H’s” are white. The white is for purity.

Green is nature’s most common color and is emblematic of youth, life, and growth.



COUNTY & STATE 4-H ACTIVITIES AND TRIPS

The following activities and trips are explained briefly to help you see what the 4-H program offers to each member. As a 4-H member, you should try to participate in the county and state activities and trips which interest you and in the project workshops which will help you with your project work.

CAREER DEVELOPMENT EVENTS (4-H JUDGING)

Career Development Events have a broad base of learning experiences offered to all 4-H members. 4-H'ers will improve their knowledge in the area of judging products and commodities and will be able to select the "best quality" of a given number of animals, plants, etc. Ag Judging is an excellent way to get involved in an exercise which will improve your practical knowledge of general agriculture.

Audience: Any 4-H member interested in judging one of the following areas: Crops, Dairy, Dairy Foods, Dairy Goats, Entomology, Forestry, Horse & Pony, Horticulture, Livestock, Meats Evaluation, Poultry and Soils. 4-H'ers can judge as individuals or teams.

Awards: Participants will receive ribbons. In all contests, an award will be presented to the highest individual scorer in the first official competitive contest, whether county, area, or state. Most county participants will judge in an Area Contest. Area winners go to State Contest, State Winners to National Contest (where offered).

Career Development Events and Contests:

4-H/FFA Ag CDE – Meats

4-H/FFA Ag CDE – Jr. Pork Day

4-H/FFA Ag CDE – Livestock

4-H/FFA Ag CDE – Dairy

4-H/FFA Ag CDE – Livestock Skill-A-Thon

4-H/FFA Ag CDE – Soils

4-H/FFA Ag CDE - Hippology

4-H/FFA Ag CDE – Dairy Foods

4-H/FFA Ag CDE – Horse & Pony

4-H/FFA Ag CDE – Poultry

4-H/FFA Ag CDE – Horticulture

4-H/FFA Ag CDE – Wildlife

4-H/FFA Ag CDE – Crops, Entomology,
Forestry

4-H FLOWER SALE

Spring 2021 – Geraniums, Petunias; Winter 2021 - Poinsettias

The 4-H Flower Sale is the only money-making activity to benefit the County 4-H & Youth Activities. Money made from sales goes to the local 4-H program, and the numerous activities, trips and awards sponsored by the Hendricks County 4-H Youth Council. So, get involved and sell Flowers to your friends and neighbors. We will also be selling petunias this year! Details will be available in the spring from your 4-H Club Leader(s).

Audience: All 4-H Members, parents and friends!

HENDRICKS COUNTY 4-H QUEEN CONTEST

The Hendricks County 4-H Queen Contest is open to any 4-H member in Hendricks County who is 16 years old or older by June 1st. Each contestant must be an active member of 4-H. As the Hendricks County 4-H Queen you will become the ambassador at many different functions including reigning over the 4-H Fair, participating in parades, representing 4-H at banquets and programs, and being a role model to other 4-H members and youth in the community. You will be Hendricks County's official representative to the Indiana State Fair Queen Contest if you should meet the age requirements for the Indiana State Fair. Applications will be available on the Fairgrounds website at a later date.

4-H JUNIOR LEADERS

4-H Junior Leaders is a 4-H Project and County Organization. Members assist with various 4-H activities, county programs, and fair activities. Jr. Leaders have monthly activities including educational topics and community service projects. Many area and state activities are also planned.

Audience: 4-H member in grades 7 and above as of January of the current year may participate in the 4-H Junior Leader Project by enrolling at 4-H enrollment time.

Awards: Special awards and trips are available.

4-H AWARDS

4-H AWARDS OF EXCELLENCE

The 4-H Awards of Excellence recognize outstanding young men and young women in Hendricks County who have excelled in the areas of achievement, citizenship and leadership over their tenure in the 4-H program. Selection is based on years in 4-H and overall record accomplished in 4-H. This award is monetary and a plaque.

Audience: 4-H members with greatest number of years completed in 4-H and having outstanding record in the 4-H program. Two 4-H members in each area of achievement, citizenship and leadership will be selected.

Sponsors: The Harriet Whicker Family - Achievement The John Maloney Family - Citizenship
The Raymond Ader Family – Leadership

10 YEAR 4-H AWARDS

All Hendricks County 4-H members who are completing 10 years in the 4-H program will receive a special county award for their successful accomplishments over their years in 4-H. These awards will be presented at the 4-H Achievement Banquet.

Audience: 10 year 4-H members

Sponsor: 4-H Youth Council

9 YEAR 4-H AWARDS

All Hendricks County 4-H members who are completing 9 years in the 4-H program will receive a special county award for their accomplishments. This award will be presented at the 4-H Achievement Banquet.

Audience: 9 year 4-H members.

Sponsor: 4-H Youth Council.

FARM BUREAU TENURE AWARDS

The purpose of the Farm Bureau Tenure Award is to recognize the importance of encouraging young people to continue in 4-H. It recognizes two (2) 4-H members from the county having the best record of tenure in 4-H membership and the greatest number of projects completed. The Tenure Award includes a certificate, an award, and guest of Farm Bureau at a district meeting for presentation.

Audience: All 4-H members with greatest number of years completed in 4-H. Two (2) 4-H members from Hendricks County will be selected.

Sponsor: Women's Dept. of Indiana Farm Bureau, Inc.

"I DARE YOU" LEADERSHIP AWARD

This award recognizes character and leadership qualities in young people and encourages and challenges them to lead creative, purposeful lives. Overall, the 4-H Youth Council considers local, county, and state leadership qualities given to the 4-H program. The award includes a certificate and "I Dare You" Leadership Book.

Audience: All 4-H members. Two (2) 4-H members from Hendricks County will be selected.

Sponsor: 4-H Youth Council

COUNTY ACHIEVEMENT MEDALS

County 4-H Achievement medals recognizes a 4-H member who has obtained the highest level of recognition in selected project categories based on information derived from the "4-H Record of Achievement" cards. 4-H members with outstanding tenure in specific projects are considered by the 4-H Youth Council as a recipient for the county medals. The 4-H permanent record and a points system will be used as the criteria for the selection. One (1) medal will be presented to the 4-H member with the highest achievement in the selected project categories. Medal recipients will also qualify for a monetary award. Once a 4-H member wins a specific project category, they will not be eligible to repeat in that category.

Medal recipients are highly encouraged to apply for the 4-H Accomplishment Scholarship in their respective areas. The information listed under "4-H Point System" lists the criteria used for determining 4-H Achievement Medal winners.

Audience: Any boy or girl entered in the 8th through 12th grade at the present time.

Sponsor: 4-H Youth Council and various donors.

VOLUNTEER AWARDS OF EXCELLENCE

These state-wide awards are designed to recognize Youth and Adult 4-H Volunteers who have demonstrated exemplary service to the Indiana 4-H Program. Categories include: Club Programming, STEM, Healthy Living, Civic Engagement/Leadership, and Animal Science Programming. Applications/Nominations due in early April.

4-H POINT SYSTEM

POINTS FOR NON-LIVESTOCK ACHIEVEMENT MEDAL CONSIDERATION:

1. One award/category.
2. 4-H members can win category only one time.
3. 8th-12th grade of the current year.
4. Must be enrolled in the specific project during the current year to be considered a recipient for the medal of that project.

Activity Points:

- Years In 4-H 5 pts. /year
- Years In project 10 pts. /year
- Project specific workshops:
 - County 3 points
 - State 3 points
- Project specific activity:
 - Area Judging Contest 5 points
 - Resume written each year 3 points

Ribbon Points:

- State Fair 3 points
- County:
 - Grand Champion 9 points
 - Reserve Grand Champion 8 points
 - Champion 7 points
 - Reserve Champion 6 points
 - Honor 5 points
 - Blue 4 points
 - Red 3 points
 - White 2 points

POINTS FOR LIVESTOCK ACHIEVEMENT MEDAL CONSIDERATION – See 4-H Livestock Handbook

POINTS FOR TRIPS & OTHER AWARDS:

Each year, it is imperative all 4-H members document all the 4-H activities in which they have participated in while enrolled in the Hendricks County 4-H Program. Points will become valuable as 4-H members become older and want to be considered as a candidate for trips and workshops sponsored by the Hendricks County 4-H Youth Council and/or other sponsors. The points system can also be used to determine awards (other than 4-H Achievement Medals) and local scholarships. All 4-H members should not discount the activities and projects in which they have participated during their 4-H tenure. Your 4-H Record of Achievement (white card) will become an extremely important document as you continue your 4-H experience.

General:

- Each year enrolled in 4-H 10 points
- Each project completed 2 points
- Incomplete projects 0 points

Exhibit Placing:

- Grand Champion 5 points
- Reserve Grand Champion 5 points
- Division Champion 5 points
- Reserve Division Champion 5 points
- Honor 5 points
- Blue 4 points
- Red 3 points
- White 2 points
- Participation (green) 1 point

State Fair Exhibits:

- Blue with Merit 25 points
- Blue 10 points
- Red 9 points
- White 8 points
- Green 5 points

4-H Club Meetings Attended:

(Must be verified by 4-H Club Leader)

Meetings include county project club meetings and workshops.

- 10 or more/year 100 points
- 8-9 each year 50 points
- 5-7 each year 40 points
- 2-4 each year 20 points
- 1 each year 5 points

4-H Club Committee Work:

- Each committee 3 points
- Chair of a committee 5 points

4-H Club Offices Held:

- All local and county offices for each
- Individual office 5 points

Career Development Events (Judging Contests):

Career Development Events include: Crops, Forestry and Entomology Judging; Livestock Judging; Soils Judging; Horse & Pony Judging.

- Local contests 2 points
- Area contests 5 points
- State contests 8 points
- National contest 10 points

4-H Public Speaking/Demonstrations:

- Local 4-H club 2 points
- County 4-H events 8 points
- Area and/or State 12 points
- Each honor 5 points

4-H Community Service Projects:

- Each event 10 points

4-H Promotion\Recruitment Activity:

- Each event 5 points

4-H Educational Trips/Tours Attended:

- State trips 5 points
- National trips 7 points

4-H Share-the-Fun:

- Local participation 3 points
- Honor 5 points
- Participation at Area 8 points
- Performing at State Level 10 points

Mentoring to Younger 4-H Members:

Older 4-H members who show proof to their 4-H Leader that they have adequately mentored to younger 4-H members will receive 10 points each year. Some 4-H projects already include a mentoring activity which they can record and exhibit at the 4-H Fair. This project component can be included in the mentoring activities

ENTRY & EXHIBIT REQUIREMENTS FOR THE HENDRICKS COUNTY 4-H FAIR

All exhibits and entries must be made during the period indicated on the fair schedule.

1. All exhibits must be picked up during the allotted time period or ribbons and awards will be forfeited.
2. All project selections must be made on 4-HOnline. Exhibits that will be presented/displayed at the Hendricks County 4-H Fair must be entered into FairEntry online by designated date.
3. All non-livestock exhibits must include an exhibit label in the lower right hand corner of their exhibit available from FairEntry. Livestock exhibits will receive stall/cage cards when the project is brought to the fairgrounds.
4. In case of an unavoidable circumstance, such as death of animal or drought, which prevents members from exhibiting, insert an explanation in your record book, signed by your parent or guardian and 4-H Leader, and turn book in at the Extension Office to be considered as completing the project.
5. White cards ("My Record of Achievement") must be turned in to exhibit in 4-H. Completion cards must be presented at check-in.
6. A 4-H member can exhibit in only one division of each project.
7. All exhibitors will receive ribbons. Exhibits in the livestock classes will receive ribbons designated first to tenth places with all exhibits below tenth receiving achievement ribbons. All other projects will be graded as to quality with the highest quality to receive blue ribbons; average quality, red ribbons; below average, white ribbons. Any exhibit not meeting the requirements of the project will be judged on its merit then lowered one placing ribbon. Exhibit entered late, improperly, or not judged will receive a green merit ribbon. Exhibits with exceptional merit will be awarded honor group ribbons as determined by the judge. Exhibit must be a blue ribbon exhibit.
8. Champion and Reserve Champion ribbons will be awarded to the State Fair entries or division winners and first alternate, respectively, provided they are honor group ribbon entries. Grand Champion and Reserve Grand Champion ribbons will be awarded to the two outstanding exhibits in each project area.
9. All poster type exhibits must be made on poster board which is stiff enough to stand by itself; or is backed with plywood or foam board no thicker than 1/2", covered with transparent plastic or acetate for protection. Posters must be displayed horizontally unless specified in the manual.

The dimensions for the poster are 22 inches tall and 28 inches wide.

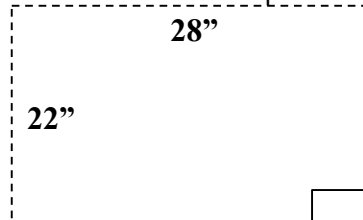


Exhibit tag comes from information entered on FairEntry prior to the 4-H Fair. The exhibit tag needs to go on the outside of the plastic sleeve in the bottom right hand corner.

10. State Fair Livestock 4-H entries are to be entered on the State Fair website by the 4-H member by June 1. The Extension Office will make all other non-livestock project entries through FairEntry.
11. Use of skateboards, skates, roller blades, and bicycles are prohibited on the grounds unless in conjunction with a fair event.
12. Dogs and other domestic animals are prohibited on the grounds unless in conjunction with a 4-H Fair event or dogs being used as service animals for impaired individuals.
13. All judges' decisions will be final.
14. **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. Reference Sheets are available at the Extension Office for use.
15. For personal safety concerns, notebooks/posters/displays exhibited should only contain name, county, grade, level, and club if needed. No personally identifiable information such as mailing address or phone numbers should be listed.

PHILOSOPHY OF JUDGING

MESSAGE TO 4-H PARENTS AND LEADERS:

Each child is an individual of utmost importance. Keeping this in mind, the parent and leader should try to make 4-H a positive learning experience. Part of this experience is the 4-H exhibit. The 4-H exhibit is not an end in itself, nor does it measure all the learning that takes place in the 4-H project. The exhibit is only one measure of success. Self-recognition, self-satisfaction, and the learning from completing the project are important rewards.

1. Discuss the purpose of judging with the 4-H'ers:
 - a. To evaluate the exhibit which is an example of the child's work.
 - b. To help each member see the progress that he/she has made and put judging results in perspective.
2. Help the child set realistic goals for himself/herself according to his/her own age and experience.
3. Be sure that your goals for the child are in line with his/her own age and experience.
4. Recognize good work. Give constructive criticism.
5. Be familiar with the guidelines criteria of the 4-H project that is to be judged.
6. Be familiar with several methods of accomplishing the desired result.
7. Stress that judging comments can be helpful, but they are only one person's evaluation.
8. In competition, avoid over-emphasis of the winner. Help the child accept the results of the competition and realize everyone is a winner through his/her own accomplishments.

MESSAGE TO THE 4-H'er:

Judging is a learning experience. From it, you can learn what you did well and how you can improve. An exhibit does not measure all you have learned, but it is an example showing what you have done.

1. Learn good sportsmanship.
2. Accept constructive criticism, and learn from it.
3. Remember, judging comments can be helpful, but they are only one person's evaluation.
4. Realize people sometimes make mistakes.

PLEASE NOTE: Any changes/updates from the previous year will be BOLDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year!

HOW TO USE THIS HANDBOOK

The next several pages are the guidelines for projects exhibited at the Hendricks County 4-H Fair. Each project will start with a brief overview of the project at the top of the page.

Next, you will see the completion, exhibition participation, and Indiana State Fair information in a chart. This is typically the "bookwork" or "activities" one needs in order to get your Exhibit Completion Card signed by your Club Leader before entering your project at the Fair.

After this chart, you will see basic rules, guidelines, and reminders about the project.

Then, under "Exhibits" you will find the expectations for what will be exhibited with this project at the Fair. These are descriptions of what the 4-Hers will bring to the fair to display and get judged.

If you have any questions, please talk with your 4-H Club Leader, adult mentor, and/or the Hendricks County Extension Office.

AEROSPACE

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

The 4-H aerospace program provides youth with educational information about aerospace that develops project skills (i.e., principles of flight, model rocket construction, model rocket safety) and life skills (i.e., decision-making, using science and technology, developing communication skills).

Completion, exhibition participation, and State Fair information for Aerospace			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	7 activities*	1 rocket and 1 poster
Level 2	Grades 6-8	7 activities*	1 rocket and 1 poster
Level 3	Grades 9-12	7 activities*	1 rocket and 1 poster

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Aerospace Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. Rockets may be exhibited with a base, but launch pads are not permitted. All rockets must weigh less than 3.3 pounds and considered an amateur rocket according to FAA regulations.
3. No "Ready to Fly" or E2X rockets are acceptable in the 4-H Aerospace project.
4. Complete the activities as indicated in the project manual and complete the aerospace record sheet.
5. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
6. Remote Control aircraft or drones may be constructed from a kit or purchased ready-to-fly.
7. Documentation of the level of rocket and the size of the engine must be presented at time of judging. Examples of documentation include: rocket box, print out from computer of rocket information, instructions, etc.

EXHIBITS

Grades 3 thru 5 – choose one or more of the following to exhibit:

- Rocket of your choice, Estes Skill Level 1, 2, or comparable difficulty. 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.
- Poster or display board on any topic in the manual (i.e., construct a paper airplane with a poster board explaining why you designed it the way you did).
- An action demonstration. (For complete details/rulings see 'Interactive Demonstration')

Grades 6 thru 8 – choose one or more of the following to exhibit:

- Rocket or other aerodynamic object of your choice, Estes Skill Level 2, 3 or comparable difficulty. 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.
- Poster or display board on any topic in the manual (i.e., glider (page 18) with poster explaining design).
- An action demonstration (Project Interact)

Grades 9 thru 12 – choose one or more of the following to exhibit:

- 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. Rockets that take an engine G 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.
- Poster or display board on any topic in the manual (i.e., box kite (page 20) with poster explanation)
- An action demonstration (Interactive Demonstration)

Optional Aerospace / Rocketry Activity

Members are encouraged to participate in the 4-H Rocket Launch at the Hendricks County 4-H Fair. All divisions in the project may participate in this OPTIONAL activity. However, each division will use the same size engine. Multi-stage rockets may be launched using only one stage. Engines and launch pads will be provided at the Fair. Launch date, time, and location will be listed in the fair schedule. Participants are encouraged to bring a different rocket to launch other than the one being exhibited during the County Fair. i.e. previous year's rockets, practice rockets, etc.

ARTS & CRAFTS (Any Other Craft, Fine Arts, Model Craft, & Needlecraft)

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

State Fair Entries: 12 entries as described in rule #5

Completion, exhibition participation, and State Fair information for Arts and Crafts			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet	Fine Arts: 2 Entries
Level 2	Grades 6-8	Record Sheet	Needle Craft: 2 Entries
Level 3	Grades 9-12	Record Sheet	Model Craft: 2 Entries All Other Craft: 6 Entries

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. 4-H'ers may exhibit a maximum total of two (2) exhibits in the Craft Project. The two (2) articles may be exhibited in any of the four (4) sections listed below. Both of the articles may be exhibited in one (1) of the sections listed, provided the articles are applicable to the section; however, they must be two (2) different types of crafts (e.g. one crocheted article and one knitted article or one oil picture and one charcoal picture, or one metal article and one macramé article or one model and one diorama.)
3. All exhibits must have attached a completed county exhibit tag
4. 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 not displayed.
5. The crafts to represent this county at the State Fair will have a State Fair Entry sticker on the ribbon and will be selected as follows:
 - Fine Arts - Two (2) entries per county
 - Needle Craft - Two (2) entries per county
 - Model Craft - Two (2) entries per county
 - Any Other Craft - Six (6) entries per county. *(May not include crafts included in the other three classes listed above. Any Other Craft also includes general, ceramics, and construction sets **when selecting State Fair entries.**)*
 - Projects selected for State Fair will be required to attach a "4-H Craft Information Card (4-H 618A-W) with description of work completed on the project. These cards are available at the Extension Office and will be included in your State Fair packet.
6. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
7. Project may not exceed 28 x 36 x 22. Any project exceeding the dimensions may be judged and a photograph taken for display, but the physical project will not be displayed.

EXHIBITS

Arts and Crafts will be broken down into 3 levels in each subsection:

- Level 1: Grades 3-5
 - Level 2: Grades 6-8
 - Level 3: Grades 9-12
- **Fine Arts** - oil, charcoal, pastels, pencil, ink, acrylic or watercolor--on canvas, canvas board, or paper - framed as a picture - prepared for hanging. Canvas art on a wooden frame is considered prepared for hanging provided that frame has a hanger. A wire stretched across the back or a sawtooth hanger are also acceptable.
 - **Needle Craft** - If the article is to be hung, it must come prepared for hanging. (Hand work) Knitting, embroidery, crocheting, needlepoint, crewel, candle wicking, chicken scratching, hand quilting, tatting, huck embroidery, hemstitching; also pulled, drawn and counted thread work and punch needle work. **Does not** include latch hook, plastic canvas, machine knitting or machine quilting, or arm knitting/crocheting.
 - **Any Other Craft** - May not include any crafts included in the other three (3) classes listed. This division will include three subdivisions: General, Ceramics and Construction Sets.
 - **Model Craft** – (Note: the model crafts class counts towards overall number of Arts & Crafts exhibits). Exhibits must be a small scale replica and meet the following criteria:
 - Must be of injected styrene plastics
 - At least 25% of the exhibit must be painted
 - Wood, paper, clay, die-cast, or snap together models are not permitted
 - Pre-painted or pre-decaled factory models are not permitted
 - **If the model is being built from a kit, include a copy of the instructions with project.**
 - Legos are not considered models and are to be exhibited as Any Other Craft – Constructions.

ADDITIONAL MODEL CRAFT RULES:

1. A member may enter no more than two (2) model classes. Only one (1) entry is permitted in each class. If entering two (2) models, they must be separate displays. For example, if entering a car and a truck, they must be on two (2) separate display boards. No snap together, bolt together, or screw together models allowed (this includes die cast models and derby cars). These exhibits will receive a green ribbon.
2. Boards used for displaying models must be rigid and cannot be more than one (1) inch larger than the model. Exhibit will be dropped one ribbon placing if not meeting size requirements. Use of display boards is optional; however, if a board is used the model must be attached to the board. Suggested methods of attachment include string, twist-ties, or wire that can be removed during judging and replaced for display.
3. Dioramas may not exceed 28" wide by 36" long by 22" tall. Any exhibit larger than these dimensions must get approval from the 4-H Council to exhibit at the fair. All Dioramas must be exhibited in the Diorama Class and built to scale.
4. The Other Model category will include figures, motorcycles, doll houses built to scale, wood models and other models not included in other classes. All types of airplanes, rockets, cars, boats, trucks and dioramas must be exhibited in their own category. **Lego built models go in Any Other Craft - Constructions, not in the models category.**
5. No live animals should be exhibited with the model.

MODELS EXHIBIT:

Two (2) models will be selected to represent Model Craft division at the State Fair. These will be selected from Classes 1-7 below.

1. **Model Airplanes** - Includes flying and display models for all types of aircraft.
2. **Model Cars** - Includes racers, customized, stock and antique car models. Wooden cars should be entered in "other models" category.
3. **Model Boats** - Includes boats, submarines, ships, historic ships, racing boats, etc. Wooden boats should be entered in "other models" category.
4. **Model Trucks** - Includes semi-trailers, pickups, vans, jeeps and other trucks. Wooden trucks should be entered in "other models" category.

5. Spacecraft - Includes all spacecraft except Rockets suitable for launching.
6. Other Models - Includes figures, motorcycles, doll houses built to scale, wood models and other models not included in other classes.
7. Dioramas - Must be built to scale. (Refer to Rule #5 for size limitations.) A diorama is described as a three (3) dimensional miniature scene with painted model figures and background.

All exhibits must have attached:

1. Completed county exhibit tag from FairEntry

ARTS & CRAFTS (Any Other Crafts – Construction Sets)

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

The Construction Sets project encourages engineering and creativity skills by allowing youth to create their own display using building type materials/kits. Examples of Construction Sets include Legos, K'nex, Mega Blocks, Keva Planks, Erector Sets, etc. Please note that this project differs from the Toy Scene Project in that the main components of this project are put together by youth. In the Toy Scene Project, youth use pre-built components mostly to create a scene.

Completion, exhibition participation, and State Fair information for Arts and Crafts			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet	Fine Arts: 2 Entries
Level 2	Grades 6-8	Record Sheet	Needle Craft: 2 Entries
Level 3	Grades 9-12	Record Sheet	Model Craft: 2 Entries All Other Craft: 6 Entries

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

ALL LEVELS:

1. See Hendricks County General 4-H Rules.
2. A Construction Sets Record Sheet must be completed in order to exhibit.

Exhibits may be of any design and made with items such as Lego, K-Nex, Construx, Erector, Tinker Toys, Lincoln Logs, Duplo Blocks, Craft Sticks, etc. Blocks may be glued together, but is not mandatory. Members should construct a more advanced project each year. Models will be judged on workmanship, appropriateness for age, and creativity. Exhibits can be no larger than 28"x36" including base and covers. Exhibits must rest on a sturdy and secure base – Lego pieces do not qualify as a sturdy base. Highly recommended to provide protective covering for your project, but not required (i.e. plastic covering, display box, etc.)

EXHIBITS:

Level 1: Grades 3-5

Construct a structure, construction set or character (animals, person, statue, etc.).

Level 2: Grades 6-8

Design your own model, work on your creativity. Kits are not allowed for Level 2. Construct a structure, a scene, or some form of transportation (car, plane, train, etc.).

Level 3: Grades 9-12

Incorporate moveable or motorized parts in Level 3. Construct a structure (Space Shuttle with Lunar Module, Windmill and House, etc.). Kits are not allowed for Level 3.

ARTS & CRAFTS (Any Other Craft – Ceramics: Molded and Hand-Formed)

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The Ceramics project enhances creativity skills by teaching youth about the basics of ceramics. Youth are encouraged to increase the difficulty of their skills displayed each year in the project.

Completion, exhibition participation, and State Fair information for Arts and Crafts			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet	Fine Arts: 2 Entries
Level 2	Grades 6-8	Record Sheet	Needle Craft: 2 Entries
Level 3	Grades 9-12	Record Sheet	Model Craft: 2 Entries All Other Craft: 6 Entries

LEVELS: Level 1 – Grades 3-5

Level 2 – Grades 6-8

Level 3 – Grades 9-12

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

ALL LEVELS:

1. See Hendricks County General 4-H Rules.
2. A Record Sheet must be completed in order to exhibit.

RULES:

- All work must be that of the 4-H member.
- Greenware or hand made clay items must be signed (carved in) and dated and visible to the judge.
- Functional items must have a glazed finish. Felt to protect furniture is strongly suggested.
- Members should advance in skill difficulty exhibited/learned each year.
- All pieces must be fired in the kiln to be considered Ceramics
- All pieces must be cleaned (remove mold marks, blemishes, etc.) by the 4-H member

Key words:

Greenware: A clay body that has not been fired in a kiln.

Bisque: Also known as white ware, it is the item after it has been fired in the kiln.

Glaze: A form of glass, which fuses to the clay body during firing in the kiln.

Stain: A non-fired decorative medium; manufactured with a variety of ingredients and either latex, acrylic, oil-base, or water-base colors

Underglaze: A material that does not seal the surface of the ware, but must be used under a glaze and fired in the kiln.

MOLDED CERAMICS EXHIBITS:

Level 1 – Introduction to stains. Make a simple article using stains-Articles could include flower pots, mugs, spoon holders, candle holders, simple figures, or book ends. Member should learn to evenly apply color to bisc.

Level 2 – One article or a set of articles using basic glaze work focusing on even application.

Level 3 – Choose one of the following:

- One article using advance basic techniques some suggestions might be free brush stroke work, glaze combination work, decals or overglazes. Other advanced techniques include greenware alterations, scraffito, advanced firings or casting by entrant.
- An article in porcelain, china painting, or stoneware.

HAND-FORMED AND POTTERY EXHIBITS:

Level A – One article made. Pinch pot with additions or texturing to be completed in glaze.

Examples: candy dish, vase, decorative dish or tray, candle holders, etc.

Level B – One article made or a set of articles made. Slab construction may be slumped or sagged.

Level C and D – One article or set of articles using Advanced techniques such as coil construction and advancement in glaze or stain application work. Additional Advanced techniques include Piercing, Incising, sprigging, hand sculpting, and wheel work. Display exhibit pieces only. Commercially produced bisc is not accepted in this division.

The ultimate goal is for the 4-H member to advance in the degree of difficulty each year.

ASTRONOMY: Science and Technology Literacy

PLEASE NOTE: Any changes/updates from the previous year will be BOLD and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

This project is designed to provide youth and parents/guardians with the opportunity to explore and learn about the basics of astronomy. A telescope is not required for this project.

Completion, exhibition participation, and State Fair information for Astronomy			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet and Star Wheel	No State Fair Entry
Level 2	Grades 6-8	Record Sheet and Star Wheel	No State Fair Entry
Level 3	Grades 9-12	Record Sheet and Star Wheel	No State Fair Entry

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

All Levels: If a 4-H'er should decide to complete a poster or display for their exhibit, posters should be 22" x 28" and displays no larger than 36" x 36" x 36".

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

LEVEL 1: Grades 3-5 – Exhibit any one (1) of the following:

1. Develop a notebook of any five or more completed grade appropriate activities located at the website: NASA – Kids Home <http://www.nasa.gov/audience/forkids/activities/index.html> or <http://www.edhelper.com/SolarSystem.htm>
2. A poster related to a project or activity out of the Hendricks County 4-H Project Manual.
3. A display or poster of an idea of your own as approved by the Hendricks County 4-H Extension Educator or your 4-H Club leader.

LEVEL 2: Grades 6-8 – Exhibit any one (1) of the following:

1. Develop a notebook of any five (5) or more completed grade appropriate activities located at the website: NASA – Kids Home <http://www.nasa.gov/audience/forkids/activities/index.html> or <http://www.edhelper.com/SolarSystem.htm>
2. A poster related to a project or activity out of the Hendricks County 4-H Project Manual.
3. A display or poster of an idea of your own as approved by the Hendricks County 4-H Extension Educator or your 4-H Club leader

LEVEL 3: Grades 9 and Up –

Exhibit any one (1) of the following:

1. A poster related to a project or activity out of the Hendricks County 4-H Project Manual.
2. A display or poster of an idea of your own as approved by the Hendricks County 4-H Extension Educator or your 4-H Club leader.

ATV: SAFETY

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

The goal of the 4-H ATV Safety Program is to educate the pre-teen, teen and adult ATV users about safe and responsible, riding techniques, practices, and ownership. The program helps youth build their critical thinking, mechanical, and life skills. Developing these skills will help riders to make good decisions while riding. This course will actively incorporate parents and other community members into the process of teaching and reinforcing safe but fun riding habits and skills. The course is offered to riders and non-riders. Non-riders will participate in classroom training. Riders will participate in both classroom training and ride training.

Completion, exhibition participation, and State Fair information for ATV: Safety			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet	No State Fair Entries
Level 2	Grades 6-8	Record Sheet	No State Fair Entries
Level 3	Grades 9-12	Record Sheet	No State Fair Entries
Independent Study	Grades 9-12	Record Sheet	No State Fair Entries

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Create an exhibit that shows the public what you learned in ATV Safety education this year.

Posters:

Poster exhibits must be displayed horizontally, sized 22"x28", 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 "ATV Safety", a subtitle is recommended based on topic chosen to display but is not required. The topics are listed below based on "Level"

Notebook/Journal:

The notebook/journal entry is a project entry that will grow with the 4-Her as they progress through the ATV Safety Program. As the 4-Her completes years and "Levels" their notebook/journal will grow. This will serve as a record of gained knowledge and growth as an ATV rider. This binder will be broken up by Grade level of the 4-Her. Each year completed will have the following information and documentation present in the notebook/journal;

- Photo of the 4-Her demonstrating proper riding attire for each year
- Photos taken by parents during meeting and skills rides
- Journal entries after meetings based on the ATV Safety Meeting Journal Sheet
- Documentation of Safety Meeting Attendance for the year
- Any check sheets or graded tests obtained during the year.
- (Optional Copy of offroad-ed.com OHV Education Card/ Certificate)

- Level 2 and 3: Trail Ride Plan (Trail Ride Planning Sheet) with gear list, weather forecast, maps, lodging, time frame, etc.
- Level 3: Mentorship Worksheet

Level 1: Grades 3-5

Exhibit (Choose One)

- Poster based on Level or Grade level appropriate topic listed below.
- Notebook/ Journal with the above listed information and documentation contained within

Exhibits must meet the size restrictions or be presented in a binder style notebook.

Level 2: Grades 6-8

Exhibit (Choose One)

- Poster based on Level or Grade level appropriate topic listed below.
- Notebook/ Journal with the above listed information and documentation contained within. The previous year's entries should be contained within, ordered most recent to the oldest entry.

Exhibits must meet the size restrictions or be presented in a binder style notebook.

Level 3: Grades 9-12

Exhibit (Choose One)

- Poster based on Level or Grade level appropriate topic listed below.
- Notebook/ Journal with the above listed information and documentation contained within. The previous year's entries should be contained within, ordered most recent to the oldest entry.

Exhibits must meet the size restrictions or be presented in a binder style notebook.

ATV Skills/ Topics by Group:

Level 1	Level 2	Level3
Safety Meeting ATV Parts Pre-Trip Inspection Riding Gear Hand Signals Trail Etiquette	Safety Meeting ATV Parts Pre-Trip Inspections Riding Gear Hand Signals Trail Etiquette Maintenance (Oil, Spark plugs, etc.) "Plug a tire" Trip Planning Weather Basic First Aid Map Reading Laws Trailering Gear (tools, clothing, food)	"4-H Member Instructors" Safety Meeting ATV Parts Pre-Trip Inspections Riding Gear Hand Signals Trail Etiquette Maintenance Plug a Tire Trip Planning Weather First Aid Map Reading Laws Trailering Gear (tools, clothing, food) Winching and Recovery GPS

Important Notes:

The ATV Safety Program is designed to teach participants about safe and responsible, riding techniques, practices, and ownership, this should be reinforced at home, this is done by having parents that are attentive and actively participate in the education of their 4-Her. To have the best understanding and ability to reinforce good habits parents are requested to attend training meetings with their 4-Her.

4-H members are required to attend one Safety meeting, before the 4-Her can participate in riding sessions. This attendance is mandatory each year. All riding participants must be at the mandatory Safety Meeting and have all the paperwork filled out prior to the first scheduled ride. It is strongly encouraged that youth interested in riding during the County Fair Demonstration attend two-thirds (2/3) of the classroom and ride trainings before Fair.

The 4-Her must provide their own ATV (defined as a 4 wheeled vehicle that is operated by straddling the seat and has handle bars to steer). This machine must fit the 4-Her based on the following guidelines:

- Clearance between ATV seat and inseam while standing up on foot pegs should be no less than 3 inches.
- Must be able to reach the handle bars, throttle, and brakes while sitting on the seat at full reach during a turn left and right.
- Upper legs from knee to hip should be horizontal to the ground/ foot pegs/ floor board.
- 4-Her's foot should be able to reach the foot brake and gear shift. While seated normally without strain.

The 4-Her must have the following safety gear when participating in meetings that require the operation of the ATV:

- DOT Certified Helmet
- Long Pants
- Long Sleeved Shirt
- Boots (above the ankle)
- Gloves and Eye protection/Goggles (Optional but highly recommended)

Riders must have the following completed and turned in before they can ride on the fairgrounds:

- 4-H Enrollment form
- State Program Fee Paid
- ATV Inspection Form
- State of Indiana Registration
- Proof of insurance on the ATV

Participants both riders and non-riders, may exhibit a poster or notebook/journal during the fair on what they have learned through the ATV Safety program. This will be judged at the Saturday morning project judging times.

Riders who have participated for multiple years in the ATV Safety Program and fall into the "Level 3" category can be a mentor for younger and new members. This mentor will lead new members by demonstrating proper riding technique, course maneuvers, and will assist with other instructing duties.

The leadership of the ATV Safety program reserve the right to deny participation in the program if the ATV does not fit the 4-H participant, is in poor shape or disrepair, or fails the safety check.

BEEKEEPING

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

This project will help you learn about bees and beekeeping. You will learn about the types of bees, the honey and wax they produce, the plants that attract bees, and the equipment a beekeeper needs. If you want to set up your own hive, you'll learn basic beehive care, how to extract and bottle honey. Advanced topics include: increasing the number of your honey bee colonies, increasing honey production, producing special kinds of honey, and learning more about bee societies.

Completion, exhibition participation, and State Fair information for Beekeeping			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	May do 1-2 Years	Record Sheet	1 Entry
Level 2	May do 1-2 Years	Record Sheet	1 Exhibit per 4-Her
Level 3	May do Multiple Years	Record Sheet	1 Exhibit per 4-Her
Independent Study	Grades 9-12		1 Entry

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirement.
2. 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 beehives may be brought to the State Fair.
 - Honey water content will be measured.
 - Fill level: the honey should be filled to the jar shoulder, not over, nor under
 - Chunk honey should go in a wide-mouth jar, preferably one (1) specially made for chunk honey (see beekeeping catalogs).
 - Be careful to distinguish "chunk honey" (comb in jar) from "cut comb" (comb only in box).
 - Honey (including chunk, cut comb, and comb) must be collected since the previous county fair.
 - It is highly recommended that honey jars include a label that have the date of collection listed.
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBITS:

DIVISION 1: May do 1 to 2 years. Present one (1) of the following topics on a poster, as specified below.

1. **Flowers Used to Make Honey** - display pressed flowers from 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 participate 1 to 2 years. See manual 4-H 586.

Exhibit one (1) 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 4-1/2" x 4-1/2" 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 for multiple years.

Exhibit two (2) of the four (4) kinds of honey, listed below (#1-4) - four jars total - or prepare an educational display about honey bees or beekeeping (#5).

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 are usually 4 1/2" x 4 1/2"
4. **Comb Honey** - 2 sections (honey built by bees in frames of wood commonly called "sections." Boxes are usually 4 1/2" x 4 1/2" in size)
5. **Prepare an educational display** about honey bees or beekeeping.

INDEPENDENT STUDY: Grades 9 - 12

Exhibit one (1) of the following:

- 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.**"

BICYCLE

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The 4-H Bicycle program provides youth with educational information about bicycles and biking that develops project skills (i.e., bicycle maintenance, operation, safety and bicycle touring) and life skills (i.e., decision-making, using science and technology, developing communication skills).

Note: To compete in the Bicycle Rodeo the 'Bicycle Project Completion Recommendations' must be completed for the appropriate grade.

Completion, exhibition participation, and State Fair information for Bicycle			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	7 activities*	No State Fair Entries
Level 2	Grades 6-8	7 activities*	No State Fair Entries
Level 3	Grades 9-12	None	No State Fair Entries
Bicycle Rodeo- Junior	Grades 3-7	None	No State Fair Entries
Bicycle Rodeo- Senior	Grades 8-12	None	No State Fair Entries

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Bicycle Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Level 1: Grades 3-5

PROJECT COMPLETION Recommendations

1. Read the manual and complete the suggested activities. Learn about the bicycle.
2. Report results of your selected activity in the spaces provided of manual. Complete the record sheet. Be sure to have your 4-H leader sign it to show that you have completed the bicycle project.

EXHIBIT – may exhibit in more than one option

1. Exhibit a 22"x28" poster on one of the following activity topics. This exhibit may use pictures or drawings. Poster exhibits must reflect a different topic each year you are in this level.
 - History
 - Safety and skills
 - Bicycle fit
 - Hiking and games
 - Parts and maintenance
2. Bicycle Rodeo participation during the Fair (see rules below)
3. Project Interactive Demonstration

Level 2: Grades 6-8

PROJECT COMPLETION Recommendations.

1. Read the manual and complete the suggested activities. Learn about the bicycle.
2. Report results of your selected activity in the spaces provided of manual. Complete the record sheet. Be sure to have your 4-H leader sign it to show that you have completed the bicycle project.

EXHIBIT – may exhibit in more than one option

1. Exhibit a 22"x28" poster on one (1) of the following activity topics. This exhibit may use pictures or drawings. Poster exhibits must reflect a different topic each year you are in this level.
 - Parts and Maintenance
 - Safety
 - Skills
 - Hiking
 - Games
2. Bicycle Rodeo participation during the Fair (see rules below)
3. Project Interactive Demonstration

Level 3: Grades 9-12

PROJECT COMPLETION Recommendations.

1. Complete Record Sheet. No current Manual for grades 9-12
2. Be sure to have your 4-H leader sign the record sheet to show that you have completed the bicycle project.

EXHIBIT – may exhibit in more than one option

1. Exhibit a 22"x28" poster on one (1) of the activity topics. This exhibit may use pictures or drawings. Poster exhibits must reflect a different topic each year you are in this level.
 - Parts and Maintenance
 - Safety
 - Skills
 - Hiking
 - Games
 - Create and report on a bicycle activity you have completed
2. Bicycle Rodeo participation during the Fair (see rules below)
3. Project Interactive Demonstration

Bicycle Rodeo

Note: To compete in the Bicycle Rodeo the 'Bicycle Project Completion Recommendations' must be completed for the appropriate grade.

RULES:

NO STATE FAIR ENTRIES

1. All participants must report to the Bike Rodeo Area on the day of the 4-H Fair Bicycle Rodeo Contest.
2. There will be two (2) divisions in the rodeo:
 - a. Junior division - Participants must be grades 3-7 in January of current year.
 - b. Senior division - Participants must be in grades 8-12 in January of the current year.
3. All participants must be enrolled in the 4-H Bicycle program.
4. It is highly recommended that youth use the right size bike according to bicycle manufacturer guidelines to prevent stress on the body and damage to the equipment.
5. Official judges may deem a bicycle unfit for use in the rodeo because of maintenance and/or safety hazards.
6. The penalty scoring system is to be used. Unanswered or incorrectly answered questions and violation of rules will draw penalty points for the participant. In each division, the participant who completes the course with the lowest total score or number of penalty points will be the winner.
7. In case of a tie score for a trophy or trip award, the tie will be broken by using the following system:
 - 1st tie breaker - participants' written exam score
 - 2nd tie breaker - participants' maintenance/safety event score
 - 3rd tie breaker - participants' parts identification score
 - 4th tie breaker - participants' skill event score #1 score
 - 5th tie breaker – participants' skill event #2 score
8. The Superintendent and Assistants of the contest along with the 4-H Extension Educator will decide any rule or interpretation not covered here. Their decisions shall be final.
9. All participants will be scored on written quiz, maintenance/safety check of bicycle, parts, tools and

- accessories identification, bicycle operation on skill events, and safety while at the rodeo.
10. Each participant will take a written quiz. The Junior Division will consist of 15 questions and the Senior Division quiz will contain 25 questions. Each question incorrectly answered will add 4 points to the participant's score.
 11. Quiz questions will be drawn from the Indiana 4-H bicycle manuals, Indiana State traffic rules and regulations pertaining to the operation of bicycles will be covered.
 12. Junior division participants will be expected to find 5 maintenance and/or safety problems on a bicycle. Senior division participants must find 10 maintenance and/or safety problems. A penalty of five (5) points will be assessed for each maintenance and/or safety item missed or incorrectly listed.
 13. Junior division participants will identify 10 bicycle parts, tools or accessories and Senior division participants will identify 20. Each item incorrectly identified will result in a five (5) point penalty.
 14. Participants will be required to wear a helmet at all times when operating a bicycle on the rodeo course.
Participants need to provide their own bicycle and helmet.
 15. Participants will complete skill events #1 (city block) and #2 (obstacle course) as specified in "Suggestions for Conducting an Indiana 4-H Bicycle Rodeo" (4-H 733). Penalty points will be assessed as provided for in "Suggestions for Conducting an Indiana 4-H Bicycle Rodeo."
 16. All participants will be awarded ribbons according to their graded skills in the competition.
 17. A Champion and Reserve Champion participant will be selected from the Junior and Senior divisions.

CAKE DECORATING

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

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 related to cake decorating.

Completion, exhibition participation, and State Fair information for Cake Decorating			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Beginner	Skills Techniques	Record Sheet and Skill Sheet	1 Entry
Intermediate	Skills Techniques	Record Sheet and Skill Sheet	1 Entry
Advanced	Skills Techniques	Record Sheet and Skill Sheet	1 Entry

RULES:

- Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
- Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Exhibit

This subject area is divided into three levels: Beginner (Grades 3-5), Intermediate (Grades 6-8), and Advanced (Grades 9-12). While the defined grades are intended to be a guide, older youth enrolled in this subject for the first time may start in a lower grade skill level with permission by the county extension educator, followed by an appropriate level the following year.

Skills and techniques demonstrated should be age/grade appropriate. While it is not to say a beginner level member cannot master an advanced level skill, it would be rare and unique. Therefore, it is suggested cakes be exhibited with skills outlined as representing their grade level in Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A. 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. Skills Sheets are available in the Hendricks County Extension Office.

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" in diameter, 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 beginner level skills are to be demonstrated. A list of skills to choose from can be found on the Indiana 4-H Cake Decorating Skills and Techniques, 4-H 710A sheet.

Intermediate Level (Grads 6-8)

Cakes must be on a cake board approximately 3/8" thick and 2-4" larger than the cake. For example, if the cake is 9"x13" rectangular, then the cake board must be 11" x 15" to 13" x 17" rectangular. The cake board must be neatly covered and well taped or otherwise attached underneath. Cakes exhibited in the intermediate level are to be a single or double tier/layer, no more than 12" tall and may be any shape. Youth may choose to decorate an inverted (upside down) character pan or 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" in diameter, 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.

CAMPING AND HIKING: SOCIAL RECREATION SKILLS

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The goal of the 4-H Camping and Hiking project is to teach youth about camping and hiking techniques.

Completion, exhibition participation, and State Fair information for Camping and Hiking			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Record Sheet	No State Fair Entry
Level 2	Grades 6-8	Record Sheet	No State Fair Entry
Level 3	Grades 9-12	Record Sheet	No State Fair Entry

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Create an exhibit that shows the public what you learned in the Camping and Hiking project 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 "Outdoor Skills". You can use a subtitle, if you wish.

Important Notes:

Handmade items must include information explaining how the project was made and its intended use. Photos are encouraged. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

Level 1: Grades 3-5

- Display a poster showing what was learned in the 4-H Camping and Hiking project.

Level 2: Grades 6-8

Exhibits **MUST** meet the size restrictions or be presented in a notebook. Choose one (1) of the following options:

- Poster
- Small project or model no larger than 18 x 18 x 36 inches.
- Notebook, showing how a camping and hiking item was made, or project completed.

Level 3: Grades 9-12

Exhibits **MUST** meet the size restrictions or be presented in a notebook. Choose one (1) of the following options:

- Poster
- Project or model (any size)
- Notebook, showing how a camping and hiking item was made, or project completed.

Level: Independent Study: Grades 9 – 12

- **Advanced topic** - Learn all you can about an advanced topic and present it on a poster. Include a short manuscript, pictures, graphs, and list of the works cited to describe what you did and what you learned. Title your poster, "Outdoor Skills – 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, "Outdoor Skills - Mentor."

CHILD DEVELOPMENT

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD, ITALICIZED WORDS** because they have changed from last year.**

Uses instructional materials that deal with young children at different ages (i.e., infants, toddlers, pre-school) and baby-sitting. Characteristics of various ages are studied and followed by observations and interactive activities.

Completion, exhibition participation, and State Fair information for Child Development			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level A	Grades 3-4	3 Activities* and Record Sheet	1 Entry
Level B	Grades 5-6	3 Activities* and Record Sheet	1 Entry
Level C	Grades 7-9	3 Activities* and Record Sheet	1 Entry
Level D	Grades 10-12	3 Activities* and Record Sheet	1 Entry

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Child Development Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Four exhibits will be selected for State Fair.
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBITS - Option Details:

Poster:

- 22" x 28" poster board displayed horizontally.
- Stiff backing with clear plastic covering.
- Identification label in lower right corner of poster filled out completely.

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 completed this year.)
- Must be self-supporting to be viewed by the public

Project Demonstration:

- See the Section for "Interactive Demonstration"

Level A: Building a Bright Beginning - Grades 3-4

4-H members should complete at least three (3) activities, each from a different chapter. Within the two-year period for each level, they should have completed at least six (6) activities, and at least one (1) activity from each of the five (5) chapters.

Choose one (1) of the following to exhibit:

1. Choose one (1) activity which you completed in this level. Design a 22 x 28-inch poster or a binder notebook which shows or tells what you did with this activity.
2. Create a display no larger than 36 x 36 x 36 inches using one (1) 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 project manual. Use a 5 x 8-inch card or larger cardstock to create your card.
3. Interactive Demonstration – You may present an interactive demonstration for your project completion requirement.

Level B: Building Blocks of Learning - Grades 5-6

4-H members should complete at least three (3) activities, each from a different chapter. Within the two-year period for each level, they should have completed at least six (6) activities, and at least one (1) activity from each of the five (5) chapters.

Choose one (1) of the following to exhibit:

1. Choose activity which you completed in this level. Design a 22 x 28-inch poster or a binder notebook which shows or tells what you did with this activity.
2. Create a display no larger than 36 x 36 x 36 inches using one (1) 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 project manual. Use a 5 x 8 index card or larger cardstock to create your card.
3. Interactive Demonstration – You may present an interactive demonstration for your project completion requirement.

Level C: Building a Strong Foundation - Grades 7-9

4-H members should complete at least three (3) activities each year, each from a different chapter. Within the three-year period for each level, they should have completed at least nine (9) activities, and at least one (1) activity from each of the five (5) chapters.

Choose one (1) of the following to exhibit.

1. Design a 22 x 28-inch poster based on one (1) of the activities 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 (1) of the activities you completed this year.
3. Create a display no larger than 36 x 36 x 36 inches using one (1) of the activities from your project manual or one (1) that promotes physical, emotional or cognitive skills. Complete an Activity Card and attach it to the exhibit. A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.
4. Interactive Demonstration – You may present an interactive demonstration for your project completion requirement.

Level D: Building Relationships Toward a Brighter Tomorrow - Grades 10-12

4-H members should complete at least three (3) activities each year, each from a different chapter. Within the three-year period for each level, they should have completed at least nine (9) activities, and at least one (1) activity from each of the five (5) chapters.

Choose one (1) of the following to exhibit:

1. Design a 22 x 28-inch poster based on one (1) activity you completed in your manual or one that promotes physical, emotional, or cognitive skills.
2. Display a binder notebook which includes the information from one (1) activity you completed this year.
3. Create a display no larger than 36 x 36 x 36 inches using one (1) of the activities from your project manual or one (1) that promotes physical, emotional, or cognitive skills. Complete an Activity Card and attach it to the exhibit. A sample Activity Card is on page 40. Use a 5 x 8 index card or larger cardstock to create your card.
4. Interactive Demonstration – You may present an interactive demonstration for your project completion requirement.

COLLECTIONS

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED* and *ITALICIZED*! Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

Completion, exhibition participation, and information for Collections			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Division 1	3-5	Notebook/Folder containing Record Sheet, Collections Record and Collection Story	No State Fair Entry
Division 2	6-8	Notebook/Folder containing Record Sheet, Collections Record and Collection Story	No State Fair Entry
Division 3	9-12	Notebook/Folder containing Record Sheet, Collections Record and Collection Story	No State Fair Entry

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Total exhibit size will be no larger than **24 inch** in any direction. All exhibits must be placed within a display case or covered with heavy plastic.
3. Put a 4-H FairEntry exhibit label on your folder and on your exhibit collection.
4. Attach your own labels to your exhibited collected items to explain them to the public. All items **MUST** be numbered.
5. All small, fragile, or unusual items should be well protected. All collections should be in an enclosed display for their safety.
6. Valuable items and collections of large objects will not be exhibited. After judging, 4-H members will be able to take these items home and display a binder and picture in place of the physical collection.
7. If you plan to exhibit the same type of collection for more than one year, follow the guidelines in your grade division for the amount to add each year. New items should be designated with a star or asterisk by the number (example: 1*, 2*, etc.).
8. Should you choose to start a new collection, you may opt to exhibit the minimum amount required in your grade division and continue adding from there. You should still include previous year's Record Sheets, Collection Records, and Collection Stories in your notebook/folder.

EXHIBITS:

Division 1: Grades 3-5

- Exhibit your collection of 7 items along with a notebook or folder containing your completed Collections Record Sheet, Collection Record, and Collection Story sheet.
- For each year in this division, you must add an additional 3-5 new items to your collection.
- Notebook/Binder should contain pictures of collection items from previous years (including any years where member has exhibited a different collection).

Division 2: Grades 6-8

- Exhibit your collection of 20 items along with a notebook or folder containing your completed Collections Record Sheet, Collection Record, and Collection Story sheet.
- For each year in this division, you must add an additional 3-5 new items to your collection.
- Notebook/Binder should contain pictures of collection items from previous years (including any years where member has exhibited a different collection).

Division 3: Grades 9-12

- Exhibit your collection of 20 items along with a notebook or folder containing your completed Collections Record Sheet, Collection Record, and Collection Story sheet.
- For each year in this division, you must add an additional 5-7 new items to your collection.
- Notebook/Binder should contain pictures of collection items from previous years (including any years where member has exhibited a different collection).

COMMUNICATIONS

Effective communications drives all aspects of day-to-day life. Youth are to learn about the process of communications, to learn about different modes of communications and to strengthen their own communications skills. As you explore the world of communications 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. The following verbal communication events and activities are offered to 4-H members as a way to teach presentation and public speaking skill development.

State Fair Entries: Interactive Demonstrations are non-competitive at the Indiana State Fair and open to all 4-H members. All other categories are competitive and open to 6-12th grade members. Refer to the Indiana State Fair 4-H handbook for the date, time, and location of each event. No more than three (3) State Fair Entries in each category. There is no Clover Category for any category at the Indiana State Fair.

NOTE: 4-H members can choose to complete in one (1), multiple, or all of the events. Interactive Demonstrations are separated into animal and non-animal projects.

RULES:

Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

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. To complete this project a member's adult mentor is to provide verification the member participated in at least one of the following activities:

- 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.

Public Speaking

- This contest allows the 4-H member to give their prepared speech to an audience from a stage or stage-like setting.
- There is no interaction with the audience.
- Props, signs, and PowerPoint presentations are not permitted.
- The topic can be of the 4-H member's choice and must be related to 4-H.
- Clover members will have 2-3 minutes to give their speech. Junior members (grades 6-8) have 3-5 minutes to give their speech. Senior members (grades 9-12) will give their speech in 5-7 minutes.
- Questions may be asked by the judges following the speech.

PUBLIC SPEAKING EXHIBITS:

Time Requirements for Public Speaking Presentation:

Clover: Grades 3, 4, and 5: 2 to 3-minute speech

Junior: Grades 6, 7, and 8: 3 to 5-minute speech

Senior: Grades 9, 10, 11, and 12: 5 to 7-minute speech

Demonstrations

- Any 4-H member in grades 6-12 may participate in the Indiana State Fair demonstration contest.
- 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.
- 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 VGA 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.
- Each Demonstration Contest participant will be provided with a table and easel for their use if they so desire.
- Live animals are not permitted.
- There is no interaction with the audience.
- Clover members (grades 3-5) have 2-3 minutes to present their demonstrations, Junior members (grades 6-8) have 5-7 minutes to present their demonstration, while senior members (grades 9-12) will present their demonstration in 5-10 minutes.
- Questions may be asked of the contestants by the judges following the demonstration.
- Categories will be Junior Individual, Senior Individual, Junior Team, and Senior Team.
- The team category is for two (2) people and will be determined by the highest-grade level of any member of that team.

Time Requirements for Demonstrations:

Clover: Grades 3, 4, and 5: 2 to 3-minute demonstration

Junior: Grades 6, 7, and 8: 5 to 7-minute demonstration

Senior: Grades 9, 10, 11, and 12: 5 to 10-minute demonstration

Informative 4-H Presentations

- Any 4-H member in grades 6-12 may participate in the Indiana State Fair informative presentation contest.
- 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, Science Workshops, 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.
- Members may use a PowerPoint, Prezi, or other digital presentation, signs, and other props that will enhance their presentation when giving it 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 VGA 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.
- Live animals are not permitted.
- There is no interaction with the audience.
- Clover members will have 2-3 minutes to present their informative presentation. Junior members (grades 6-8) have 5-7 minutes to present their informative presentation, while senior members (grades 9-12) will present their informative presentation in 5-10 minutes.
- Questions may be asked of the contestants by the judges following the informative 4-H presentation.
- Categories will be Junior Individual and Senior Individual.

INFORMATIVE 4-H PRESENTATION EXHIBITS:

Time Requirements for Informative Presentations:

Clover: Grades 3, 4, and 5: 2 to 3-minute presentation

Junior: Grades 6, 7, and 8: 5 to 7-minute presentation

Senior: Grades 9, 10, 11, and 12: 5 to 10-minute presentation

Professional Persuasive 4-H Presentations

- Any 4-H member in grades 6-12 may participate in the Indiana State Fair professional presentation contest.
- 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 three (3) 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.
- Members must use a PowerPoint, Prezi, or other digital media presentation when giving it to the audience from a stage or stage-like setting.
- Other props may be used to enhance the presentation but are not required.
- Live animals are not permitted.
- There is no interaction with the audience.
- Junior members (grades 6-8) and senior members (grades 9-12) will present their professional presentation in 5-10 minutes.
- Questions may be asked by the judges following the professional presentation.
- Categories will be Junior Individual, Senior Individual, Junior Team and Senior Team.
- The team category 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 who are 14 years of age or older as of January 1 will be permitted to attend the trip. Those members of the winning team who are younger than 14 years of age will not be able to compete in a team professional persuasive presentation in future years.
- Contestants are encouraged to provide their own laptop computer. If the laptop is not equipped with a standard VGA 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. A wireless internet connection will be available.

PROFESSIONAL PERSUASIVE EXHIBITS:

Time Requirements for Professional Persuasive Presentations:

Clover: Grades 3, 4, and 5: 2 to 3-minute presentation

Junior: Grades 6, 7, and 8: 5 to 7-minute presentation

Senior: Grades 9, 10, 11, and 12: 5 to 10-minute presentation

Interactive Demonstrations

Categories in Hendricks County include “Animal” and “Non-Animal” Interactive Demonstrations. This is a NON-COMPETITIVE event!

- Any 4-H member may participate in the Interactive Demonstration.
- This is designed for the novice person, and the topic can be related to any 4-H project. The 4-H member will provide a short demonstration of no more than 3 minutes that will actively engage members of the audience in a how-to-do skill development.
- Examples include, but are not limited to, how to use a measuring cup, how to use a ruler, how to knead dough, how to clean grooming clippers, how to crop a photo, etc.
- Props are permitted.
- Live animals and PowerPoint displays are not permitted in the Non-Animal Interactive Demonstrations.
- Although participants will not be judged, an adult will watch the 4-H member’s interactive demonstration and will provide feedback to the member.

- The 4-H member will continually repeat their how-to interactive demonstration for the designated time period, typically 45-60 minutes.
- Animal Interactive Demonstrations may include the use of live animals.
- Interactive Demonstration time and location information will be sent to members in June for the Hendricks County 4-H Fair.

Illustrated Talk (Poultry and Rabbits)

- Categories will be Novice (grades 3-4), Junior (grades 5-6), Intermediate (grades 7-8), Senior (grades 9-10), and Master (grades 11-12).
- An illustrated talk is for any 4-H member and allows the member to present a 5-7-minute speech to the audience on a topic related to that project while using props and/or a PowerPoint, Prezi, or other digital presentation.
- There is no interaction with the audience.
- Live animals that would be eligible to show in that project may be used in the illustrated talk.
- For Indiana State Fair:
 - Check the Indiana State Fair 4-H Premium book for the time, date, and location of this event.
 - Entries will be accepted through the county Purdue Extension office or on-site at the poultry or rabbit show for the respective event. Check the Indiana State Fair 4-H Premium book for the time, location, and deadline to enter if entering on-site.
 - All participants must complete the Indiana State Fair Rabbit or Poultry entry form. This completed form is to be submitted to the rabbit or poultry barn office, respective to the contest, at check-in. There is no Indiana State Fair entry fee for this event.

COMPUTERS

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

Completion, exhibition participation, and State Fair information for Computers			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	4 activities*	1 entry
Level 2	Grades 6-8	4 activities*	1 entry
Level 3	Grades 9-12	4 activities*	1 entry

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Computer Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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, coding libraries/code snippets, 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

There are three exhibit grade level divisions;

- Grades 3-5, Beginner;
- Grades 6-8, Intermediate;
- 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 exhibits 22" x 28" or freestanding 3-dimensional display boards no larger than 36"x36" may be submitted.** Youth may continue in the same subject category in subsequent years expand on the previous year's topic, or choose a new topic.

Subject categories are:

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

Software **submitted to be reviewed by a judge** must be compatible on both PC, Mac, (or Linus for county) 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.

Blocked 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
- **Any other similar skill**
- Objects
- Methods
- Inheritance
- Integrate multiple languages into one program

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.***

CONSUMER CLOTHING

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

Educational materials are designed to teach clothing selection, wardrobe planning, care of clothing, and personal grooming. Included are activities to be completed at home and in stores.

<i>Completion, exhibition participation, and State Fair information for Consumer Clothing</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>1 Activity* from each activity group in manual and record sheet</i>	<i>1 Binder Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>1 Activity* from each activity group in manual and record sheet</i>	<i>1 Binder Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>1 Activity* from each activity group in manual and record sheet</i>	<i>1 Binder Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Consumer Clothing Project Manuals. Fair Exhibit requirements are listed below.

NOTE: Judging is held on the Tuesday before the Fair, 9:00am – Noon. Three Ring Binder and outfit will be left at the Fairgrounds at the judging on Tuesday to be used for Public Dress Revue on Thursday and for display at the fair. The purchased outfit will be modeled at the Public Dress Revue on the Thursday evening before the Fair.

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

Remember: 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. Reference Sheets are available at the Extension Office for use.

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

Level 1: Beginner (Grade 3 thru 5)

Complete the items listed below and exhibit your garment and Three Ring Binder. **Be sure to put an exhibit tag on all items.**

1. Help purchase an item of clothing that you'll wear with other clothes in your wardrobe. Examples might be slacks, blouse, jeans, sweater, or sweatshirt. Choose an accessory to go with your purchase. You might buy shoes, sweatband, belt, jewelry, or socks.
2. Model your purchases during notebook and model judging and the Hendricks County Fashion Review. Tell the judge about your purchases, what you learned, and about the activities you completed. Take your manual and Three Ring Binder with you because they will help you talk with the judge. Poise, grooming, and accessories are considered.
3. Find and exhibit a Three Ring Binder or scrapbook for describing your activities and answers. It should

begin with a title page. Include your name, county, project, division or year, and age. Notebooks must contain a table of contents. Complete one (1) activity from each of the groups in your manual. Type your results or answers in your Three Ring Binder. Put the activity group number and letter on a separate page from your answers and descriptions. The last section of the Three Ring Binder should tell about the outfit you are modeling. You could tell how you decided what you needed, why you chose specific items, whether it goes with other things in your closet, and how you feel about your outfit. Put captions with any pictures.

Level 2: Intermediate (Grade 6 thru 8)

Complete the items listed below and exhibit your garment and Three Ring Binder. **Be sure to put an exhibit tag on all items.**

1. Purchase and accessorize a casual or school outfit. You may purchase accessories or select from items you already own.
2. Model your outfit during notebook and model judging and the Hendricks County Fashion Review. Tell the judge about your purchases, what you learned, and about the activities you completed. Take your manual and Three Ring Binder with you because they will help you talk with the judge. Poise, grooming, and accessories are considered.
3. Find and exhibit a Three Ring Binder or scrapbook for describing your activities and answers. It should begin with a title page. Include your name, county, project, division or year, and age. Notebooks must contain a table of contents. Complete one (1) activity from each of the groups in your manual. Type your results or answers in your Three Ring Binder. Put the activity group number and letter on a separate page from your answers and descriptions. The last section of the Three Ring Binder should tell about the outfit you are modeling. You could tell how you decided what you needed, why you chose specific items, whether it goes with other things in your closet, and how you feel about your outfit. Put captions with any pictures.

Level 3: Advanced (Grade 9 thru 12)

Complete the items listed below and exhibit your garment and Three Ring Binder: **Be sure to put an exhibit tag on all items.**

1. Choose an outfit and accessorize it. You may purchase accessories or select from items you already own.
2. If a member has completed all activities in the manual in prior years, the member is to consult with their extension educator, leader, or mentor to create an activity. When assembling the exhibit notebook be sure to include a note to the judge explaining how the activity was determined and the intended objectives.
3. Model your outfit during both notebook and model judging and the Hendricks County Fashion Review. Tell the judge about your purchases, what you learned, and about the activities you completed. In addition, explain to the judge how you plan to use this year's purchases in your future wardrobe. Take your manual and Three Ring Binder with you because they will help you talk with the judge. Poise, grooming, and accessories are considered.
4. Find and exhibit a Three Ring Binder or scrapbook for describing your activities and answers. It should begin with a title page. Notebooks must contain a table of contents. Include your name, county, project, division or year, and age. Complete one (1) activity from each of the groups in your manual. Type your results or answers in your Three Ring Binder. Put the activity group number and letter on a separate page from your answers and descriptions. The last section of the Three Ring Binder should tell about the outfit you're modeling. You could tell how you decided what you needed, why you chose specific items, whether it goes with other things in your closet, and how you feel about your outfit. Put captions with any pictures.

CREATE YOUR OWN THING: Creative and Expressive Arts

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Create Your Own Thing</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entry</i>

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. This project is open to any age 4-H'er who has a special interest in an area which is not included in an existing 4-H project. It is a great opportunity to "do your thing." See project manual for details.
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
4. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

PROJECT JUDGING CRITERIA:

1. Appearance – attractive in color and decoration
2. Workmanship – neat and clean
3. Function and/or decorative quality of this item
4. Creativity in design and/or materials
5. Overall appeal of project
6. Exhibits should be no larger than 28" x 36" (no height restriction).
7. Toy Scenes should be entered under the Toy Scene Project.

EXHIBITS:

Level 1: Grade 3 thru 5

Exhibit your self-determined project. You may show, in any way you like, what you have accomplished in the project. Your project record sheet should accompany exhibit. Exhibits should be no larger than 28"x36". If larger than that size, it will not be exhibited during the fair. You may display a photograph of the project with a notebook (if any). Highly recommended to provide protective covering for your project, but not required (i.e. plastic covering, display box, etc.).

Level 2: Grade 6 thru 8

Exhibit your self-determined project. You may show, in any way you like, what you have accomplished in the project. Your project record sheet should accompany your exhibit. Exhibits should be no larger than 28"x36". If larger than that size, it will not be exhibited during the fair. You may display a photograph of the project with a notebook (if any). Highly recommended to provide protective covering for your project, but not required (i.e. plastic covering, display box, etc.).

Level 3: Grade 9 thru 12

Exhibit your self-determined project. You may show, in any way you like, what you have accomplished in the project. Your project record sheet should accompany your exhibit. Exhibits should be no larger than 28"x36". If larger than that size, it will not be exhibited during the fair. You may display a photograph of the project with a notebook (if any). Highly recommended to provide protective covering for your project, but not required (i.e. plastic covering, display box, etc.).

CROPS

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Crops</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Crops- Corn</i>			
<i>Level 1- Beginner</i>	<i>Grades 3-5</i>	<i>Complete 4 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Level 2- Intermediate</i>	<i>Grades 6-8</i>	<i>Complete 4 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Level 3- Advanced</i>	<i>Grades 9-12</i>	<i>Complete 4 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Crops- Hay, Wheat, Oats, Alfalfa</i>			
<i>All One Level</i>	<i>Grades 3-12</i>	<i>Complete 3 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Crops- Soybeans</i>			
<i>Division 1</i>	<i>Grades 3-12</i>	<i>Complete 3 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Division 2</i>	<i>Grades 3-12</i>	<i>Complete 2 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Division 3</i>	<i>Grades 3-12</i>	<i>Complete 2 Activities* and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Division 4</i>	<i>Grades 3-12</i>	<i>Complete Activities 9,10,11,12 and Record Sheet</i>	<i>No State Fair Entry</i>
<i>Division 5</i>	<i>Grades 3-12</i>	<i>Record Sheet</i>	<i>No State Fair Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Crops Project Manuals. Fair Exhibit requirements are listed below.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Attach a 4-H exhibit tag to each crop exhibit. On the corn or soybean exhibit tag, add the variety, date planted, and fertilizer used. Hay exhibitors should add the type of hay exhibited to this card.
3. Healthy corn and soybean plants will be judged on the basis of freedom from deficiency, root and stalk development, freedom from disease and insect damage, and general appearance and uniformity.
4. A Champion and Reserve Champion exhibitor will be selected from each crop. A Grand Champion and Reserve Grand Champion exhibitor will be selected from the individual crop champion and reserve champion exhibitors.
5. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
6. Members may exhibit in one, multiple, or all crops listed below.
7. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

HAY, WHEAT, OATS, ALFALFA (SMALL GRAINS)

Youth will learn about growth stages and parts of plants, characteristics of varieties, fertilizers, germination, injurious weeds, diseases and insects, products made from harvest, and good management practices and their importance.

EXHIBITS:

All one level: Grades 3 – 12

Manual: For Hay, Wheat, Oats - 'Small Grains Project' - **4-H 749**

For Alfalfa - 'Alfalfa Project Outline' sheet – **4-H-39-W**

Use the Crops Record Sheet **4-H 626-W** to record your project progress in all crops; all divisions.

HAY - Exhibit 1/4 bale of cured hay in one or more of these categories: alfalfa, clover, grass, and mixed.

WHEAT - Exhibit one (1) gallon of wheat from current crop.

OATS - Exhibit one (1) gallon of oats.

CORN

You can learn about how the corn plants works, the pests that attacks corn, uses of corn and the safety practices when growing, harvesting, and storing corn. In the advanced levels you will learn about hybrid corn, the types and sources of nutrients for corn, soil erosion, producing and comparing hybrids, and planting and growing corn crops.

For every level: You cannot exhibit the same activity twice

Use the Crops Record Sheet **4-H 626-W** to record your project progress in all crops; all divisions.

Level 1: Beginner – first and second year in project (Recommended Grade 3– 4) - "Corn" (4-H 672)

Project Completion Recommendations

1. Plan your project year.
2. Grow a plot of corn.
3. Complete at least four (4) 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 – one (1) of the following as outlined in detail in Beginner's Corn Project Book "Suggested Fair Exhibits"

- a. "The Parts of a Corn Plant" Exhibit one (1) fully grown corn plant with the plant parts correctly identified and labeled using 3 x 5 inch cards. (see activity 4 in the Beginner's Corn Project Book)
- b. Exhibit "Identifying Some Pests of Corn" (using Activities #5, #6, and #7) Exhibit one (1) full grown corn plant in which you have prepared for exhibiting as well as four (4) labels describing pests. One (1) each of two (2) shipping tags or 3 x 5-inch card put a picture of a corn insect (or the actual bug itself), its name, and the plant part it attacks. Do the same for two (2) corn diseases. Then on a fully-grown corn plant which you've prepared for exhibiting, attach the four (4) tags or cards to the specific plant parts affected by those insects and diseases
- c. Exhibit "Effects of Planting Depth on Corn Growth" (using Activity #3) Exhibit four (4) containers of growing corn which were seeded at the same time but at 1-inch, 2-inch, 3-inch, and 4-inch depths, with a record of your observations, displayed on an 8 ½ by 11-inch card.

Level 2: Intermediate – third, fourth, and fifth year in project (Recommended Grade 5-7) - "Hybrid Corn" (4-H 673)

Project Completion Recommendations

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

Exhibit – one (1) of the following:

- a. Exhibit one (1) fully grown corn plant in which you have prepared for exhibiting as well as four (4) labels describing pests. One (1) each of two (2) shipping tags or 3 X 5 inch cards, put a picture of a corn insect (or the actual bug itself), its name, and the plant part it attacks. Do the same for two (2) corn diseases. Then on a fully-grown corn plant which you've prepared for exhibiting, attach the four (4) tags or cards to the specific plant parts affected by those insects and diseases (see Activities #5, #6, and #7 in the Beginner Corn Book)
- b. Exhibit one (1) of the suggested exhibits from the 'Intermediate 4-H Corn Project Book' "Suggested Fair Exhibits"
 1. "My Own Corn Germination Test" (see Activity #8)
 2. "Effects of Weed Competition on Corn Growth" (see Activity #11)
 3. "Know How to Read Pesticide Labels" (see Activity #13)
 4. "Making the Farmstead Safer" (see Activities #16 and #17)
 5. "The Role of Corn in Other Foods" (see Activity #22)

Level 3: Advanced – sixth year and beyond in project (Recommended Grade 8-12) - "Corn Growth" (4-H 674)

Project Completion Recommendations

1. Plan your project year.
2. Grow a large plot of corn.
3. Complete at least seven (7) activities presented.
4. Make an exhibit from one (1) of the project activities you selected.
5. Complete "Crops Projects Record Sheet."

Exhibit - one of the following:

- a. Exhibit three (3) stalks of corn with roots attached. Wash the roots clean and exhibit them in a five (5) gallon plastic bucket.
- b. Exhibit one (1) of the suggested exhibits from the Advanced 4-H Corn Project Book "Suggested Fair Exhibits"
 1. "Plant Nutrient Deficiencies" (see Activity #1)
 2. "Fertilizer Nutrient Calculations" (see Activity #3)
 3. "Fertilizer Cost Comparison" (see Activity #5)
 4. "My 4-H Corn Project Field's Erosion Rate" (see Activity #6)
 5. "Best Tillage-Planting System for My 4-H Corn Project Field" (see Activity #7)
 6. "Cross-, Self-, and Open-Pollination Experiment" (see Activity #8)
 7. "My Corn Performance Trial Results" (see Activity #9)
 8. "Last Safe Planting Date for Corn Hybrids" (see Activity #10)

SOYBEANS

The Soybean project introduces youth to one of Indiana's major crops, the soybean through fun experiences and hands-on projects. Youth will learn about selecting soybean varieties, planting and harvesting soybeans, and uses for soybeans.

Manual: "The Soybean Project" (4-H 209) - for all levels - Grades 3 – 12

For every level: You cannot exhibit the same activity twice

Use the Crops Record Sheet **4-H 626-W** to record your project progress in all crops; all divisions.

Division 1

Project Completion Recommendations:

1. Complete three (3) 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 – one (1) of the following:

- a. Exhibit one (1) fully grown healthy soybean plant with parts labeled, including roots.
- b. Exhibit one (1) of the exhibit suggestions given for Division 1 in the 4-H Soybean Project Book (page 31).
 1. "Germination of the Soybean Seed" poster project using Activity #1
 2. "Using the Soybean" poster project using Activity #13

3. Exhibit one (1) peck of soybeans

Division 2

Project Completion Recommendations:

1. Complete two (2) 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 – one (1) of the following:

1. Exhibit one (1) fully grown healthy soybean plant AND one (1) plant showing insect damage. Identify the type of insect on a 3 x 5-inch card by name and with a picture of the insect if possible.
2. Exhibit one (1) of the exhibit suggestions given for Division 2 in the back of the 4-H Soybean Project Book
 1. “The Effect of Light and Darkness on Flowering” poster project using Activity #4 in the 4-H Soybean Book
 2. “Soybean and Plant Nutrition Deficiencies” poster project using Activity #7 in the 4-H Soybean Book
 3. “Preparing Soybeans for Home Use” poster project using Activity #14 in the 4-H Soybean Book
 4. Exhibit one (1) peck of soybeans

Division 3

Project Completion Recommendations

1. Complete two (2) 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 – one (1) of the following:

- a. Exhibit 12 fully grown healthy soybean plants
- b. Exhibit one (1) of the exhibit suggestions given for Division 3 in the back of the 4-H Soybean Book
 1. “Differences in Flowering Among Soybean varieties” poster project using Activity #5 in the 4-H Soybean Book
 2. “How Planting Dates Affect Soybean Yields” poster project using Activity #6 in the 4-H Soybean Book
 3. “Preparing Soybeans for Home Use” poster project using Activity #14 in the 4-H Soybean Book

Division 4

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 – one (1) of the exhibit suggestions given for Division 4 in the back of the 4-H Soybean Book

- a) “Soybean Herbicide Survey” or “Soybean Insect Study” or “Soybean Disease Study” poster project using Activity #9 in the 4-H Soybean Book
- b) “Measuring Soybean Harvest Losses” using Activity #12 in the 4-H Soybean Book
- c) Exhibit one (1) peck of soybeans

Division 5 & above

Project Completion Recommendations:

1. Keep accurate records using the 4-H Crops Record.
2. Grow at least five (5) acres of soybeans using cultural practices described in current agronomy (AY) publications. These are available in the Extension Office.

ELECTRIC

PLEASE NOTE: Any changes/updates from the previous year will be BOLDDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

The 4-H electric program provides youth with educational information about electricity and how it can be used to benefit the human race. The electric program develops project skills (i.e., safe practices, proper use of fuses and circuit breakers, proper lighting techniques, proper wiring techniques) and life skills (i.e., decision-making, using science and technology, developing communication skills).

<i>Completion, exhibition participation, and State Fair information for Electric</i>			
Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3	Complete 7 Book Activities (3 main + 4 brain boosters)*, General Record Sheet, Exhibit Skills Check Sheet, and Exhibit	1 Entry
Level 2	Grade 4	Complete 7 Book Activities (3 main + 4 brain boosters)*, General Record Sheet, Exhibit Skills Check Sheet, and Exhibit	1 Entry
Level 3	Grade 5	Complete 7 Book Activities (3 main + 4 brain boosters)*, General Record Sheet, Exhibit Skills Check Sheet, and Exhibit	1 Entry
Level 3	Grade 6	Complete 7 Book Activities (3 main + 4 brain boosters)*, General Record Sheet, Exhibit Skills Check Sheet, and Exhibit	1 Entry
Level 5	Grade 7-12	Complete 7 Book Activities (3 main + 4 brain boosters)*, Advance Electric/Electronics 4-H Club Record Sheet, Exhibit Skills Check Sheet, and Exhibit	1 Entry for Electric 1 Entry for Electronic

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Electric Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Refer to exhibit requirements in the project manual.
3. It is recommended a note be attached to your exhibit explaining what was done, the intended use, and the materials you used in completing the exhibit.
4. All Electric Project Members are encouraged to attend annual electric workshops for project assistance.
5. Circuit board kits for Division 1, magnetic powered flashlight kits for Division 2 and extension cord and trouble light kits for Division 3 are available at cost at the Electric Workshops and at the Extension Office.
6. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBITS:

SUGGESTION FOR ALL DIVISIONS: include an explanation card on how your exhibit is to be used.

Requirements Electric Level 1 (Grade 3)

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

Exhibit Suggestions:

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

Requirements Electric Level 2 (Grade 4)

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

Exhibit Suggestions:

- **Magnetic Powered Shake Flashlight – with display**
- **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 Magic of Electricity Book 1 or Investigating Electricity Book 2, Purdue Extension website Level 2 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.**

Requirements Electric Level 3 (Grade 5)

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

Exhibit Suggestions:

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

Requirements Electric Level 4 (Grade 6)

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

Exhibit Suggestions:

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

Requirements Electric Level 5 (Grade 7-12) - Do either an Electric power or Electronics project

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

Exhibit Suggestions:

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

ENTOMOLOGY

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

There are more kinds of insects in the world than all other organisms combined. They live on the earth's surface, in the soil, and in water. Insects live in deserts, rain forests, hot springs, snowfields, and dark caves. This project will help you study insect and their relationship with people. You can also learn how to collect, preserve, and identify insects.

<i>Completion, exhibition participation, and State Fair information for Entomology</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 5 Activities*</i>	<i>Max= 1 Display and 1 Poster</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 5 Activities*</i>	<i>Max= 1 Display and 1 Poster</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 3 to 4 Activities*</i>	<i>Max= 1 Display and 1 Poster</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Entomology Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Create an exhibit that shows the public what you learned in the entomology project this year. State Fair Exhibits -- each county may send one (1) Insect Collection and one (1) Poster for each level (grades 3-5, grades 6-8, and grades 9 and up) for a maximum of six (6) exhibits per county. Follow the "Notes" under each section (Insect Collection and Poster).
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Important Notes:

- **References:** one (1) of the following:
 - 4-H 764, How to Study, Collect, Preserve and Identify Insects.
 - How to Make an Awesome Insect Collection, ID-401 (available online, extension.entm.purdue.edu/401Book/default.php?page=home, or through The Education Store).
- **Title:**
 - **Collection** - Insect Collection, Grade X (where X = your grade in school)
 - **Poster** - Choose one (1) of the topics listed below, appropriate for your grade in school, and use that topic for your exhibit title.
- **Orders:**
 - Use the orders listed in the reference material (above), which are found on page 57 in

ID-401.

- **Display:**
 - Collect, mount (pins or vials), and identify insects personally collected in the U.S. only.
 - Display your best specimens in an 18 x 24-inch box(es), orientated horizontally. When multiple boxes are used: list the box order (i.e. "box 1 of 3 boxes") and include your name in each box.
 - 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 (2) 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 box label. For example, all insects belonging to a particular order must be placed under that order label. Orders to be used are listed in the reference book ID- 401. If family level identification is required, the insects should be further grouped together under that family label.

- **Educational Box:**
 - One (1) 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).

Level: Insect Collection Option: Grades 3-12 Exhibit

Grade	Display	Max. # Collection Boxes
3	10 insects, identified and pinned on cards (ID 401A)	1
4	20 insects, mounted (pins or vials). Identify all insects by common name and identify five (5) to order. Include card ID 401B.	1
5	30 insects, mounted (pins or vials). Identify all insects by common name and identify 15 to order. Include ID 401C.	1
6	40 insects, exhibit a minimum of 6 orders, mounted (pins or vials). Identify all insects by common name and order. Include ID 401D.	2
7	50 insects, exhibit a minimum of 8 orders, mounted (pins or vials). Identify all insects by common name and order. Identify ten (10) to family. Include card ID 401E.	2
8	60 insects, exhibit a minimum of 10 orders, mounted (pins or vials). Identify all insects by common name and order. Identify 30 to family. Include card ID 401F.	2
9	70 insects, exhibit a minimum of 12 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One (1) educational box; theme: insect behavior. Include card ID 401I. (1-3 collection boxes plus 1 educational box*). Place 401I in first collection box only. Card ID 401I download.	3

10	80 insects, exhibit a minimum of 14 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One (1) educational box; theme: insect pest management. Include card ID 4011. (1-3 collection boxes plus 1 educational box*). Place 4011 in first collection box only. Card ID 4011 download. Card ID 401 download.	3
11	90 insects, exhibit a minimum of 16 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One (1) educational box; theme: insects in the environment. Include card ID 4011. ((1-3 collection boxes plus 1 educational box*). Place 4011 in first collection box only. Card ID 4011 download.	3
12	100 insects, exhibit a minimum of 18 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One (1) educational box; theme: benefits of insects. Include card ID 4011. (1-3 collection boxes plus 1 educational box*). Place 4011 in first collection box only. Card ID 4011 download.	3

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

Poster Options for Entomology

Create an exhibit that shows the public what you learned in the entomology 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 (1) 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.

Level: Poster Entomology 1: Grades 3-5 (BU-8440)

Exhibit

Display a poster based on the following activities:

- **Big Mouth Bugs** -- Show the four (4) different mouth types that you studied. Create a chart listing the four (4) mouth types, an insect with this mouth type, food they eat, and where these insects might be found.
- **FACETnating!** -- Show how insects see (compound eyes) and explain how they see colors.
- **Pit Stop** -- Make two (2) pit traps and use them to collect insects. Exhibit your completed record sheet. You can use the format given for your data collection, or make your own. Include some of the insects, or pictures of your trap and insects collected.
- **Buz-z-zing Around** -- Present three (3) to five (5) ways that insects communicate. Include an insect, or picture of each insect that communicates in each of the ways you are describing.
- **Ants and Uncles** -- Compare insects with their non-insect relatives by completing the chart in your book (copy or make your own). Include some of the insects and their non-insect relatives, or pictures of them, on your poster.
- **Chirp, Chirp** -- Watch and listen to the crickets for five (5) minutes, three (3) times a day, for three (3) days. Include day and night observations. Record what you see and hear.

Level: Poster Entomology 2: Grades 6-8 (BU-8441)

Exhibit

Display a poster based on the following activities:

- **Collecting Insects** -- Use two (2) of the insect collecting traps described in Activity 2 (Berlese Funnel, Indoor Insect Trap), Activity 3 (Modified Wilkinson Trap), Activity 4 (Fruit Bait), or Activity 5 (Light Attractor) to collect insects. Exhibit a picture of your traps and an Insect Collection Data Chart that gives the trap location (for example, in the basement or in the back yard), date collected, and insects collected.
- **Spread Your Wings and Fly** -- Make and use a spreading board. Exhibit two (2) pictures of your spreading board and three (3) butterflies or moths that you prepared using your board.
- **Insect Experiments** -- Complete one of the following activities: Activity 8 (Color My World), Activity 9 (Sowbug Investigations), or Activity 10 (Life's Stages). Exhibit your data sheet and answers to the "Talk It Over" questions. For activities 8 and 9 include your hypothesis and a conclusive statement about your hypothesis (indicate if it was proved or disproved).

- **Invasive Species Investigations** -- Create an informational exhibit about one (1) Indiana invasive insect. Include the information requested in the activity for this insect (first eight (8) questions on page 29).
- **A Sticky Situation** -- Make and use sticky traps for four (4) weeks as described in Activity 13. Exhibit your data sheet and the answers to "Talk It Over" questions.
- **Footprint Clues** -- Study the tracks of three (3) different species of insect and one (1) arthropod as described in Activity 14. Exhibit your data sheet and the answers to "Talk It Over" questions.

Level: Poster Entomology 3: Grades 9-12 (BU-8442)

Exhibit

Display a poster based on the following activities:

- **The Scientific Method** - Use the scientific method to complete one (1) of the problems listed in Activity 3. Describe what you did to complete the five (5) scientific method steps and include your data and drawings or pictures of your experiment.
- **Transecting for Insects** - Compare three (3) habitats using the scientific method to determine which one has the most terrestrial insect activity. Display your transect data sheet for each habitat and answer the "Talk It Over" questions.
- **Please Drop In** -- Create your own hypothesis and collect insects in five (5) pitfall traps to prove or disprove your hypothesis, as described in Activity 7. Display how you completed your experiment (including each step in the scientific method) and your data for each habitat.
- **Aliens Among Us** -- Complete the "Natives vs Non-natives Survey Data Sheet" by checking two (2) boxes (Native or non-native and damage or no damage) for five (5) native and five (5) non-native insects as shown in Activity 9. Answer the "Talk It Over" questions.
- **IMP** -- Learning and Teaching - Make an informational flier and use it to teach younger 4-H members about five (5) insect pests that might be found in a home or school in your county. Exhibit your flier, lesson plan, and photograph of you teaching. Answer the "Talk It Over" questions.
- **Meal from a Worm** -- Use the scientific method to study how mealworm larvae grow. Include your hypothesis, data charts, and conclusions. Answer the "Talk It Over" questions.

Level: Independent Study: Grades 9-12 (One State Fair Entry)

Exhibit

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

FASHION REVUE

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

Fashion Revue is a learning experience in dressing and grooming for the "total" look, to project a smile, enthusiasm and poise, and help build self-confidence. All sewing and consumer clothing participants can participate in this Fashion Revue, which is a public presentation of their project's outfits.

Note: Judging for Fashion Revue is held on the Tuesday before the Fair along with the Sewing construction and Consumer Clothing judging. Public Fashion Revue is the Thursday before the Fair.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Ribbons will be given only for participation in the Public Revue.
3. Handcrafted garments made in the 4-H Crafts project may be modeled in the Fashion Revue whenever the finished garment(s) meets the requirements of a Fashion Revue classification.
4. A participant does not have to exhibit the same outfit which is worn in the Fashion Revue. However, to participate in the Fashion Revue a garment must be exhibited.
5. All participants will be judged on the "total look."
6. 4-H members in the Senior Division may enter as many as two (2) Fashion Revue categories with appropriate outfits. (Except Consumer Clothing)
7. The exhibit for Fashion Revue, must include the total exhibit required for the 4-H sewing construction project.
8. Be sure to enroll in the project on 4-H Online and enter exhibit information into FairEntry by designated date.

ELIGIBILITY:

State Fair – Sewing Fashion Revue

1. State Fair competition is open to 4-H members who are in the 8th grade in January of the current year and remain eligible as long as he or she has not passed his or her 19th birthday on the first day of the current year are eligible for State Fair competition.
2. Garments modeled must have been made by participant since the previous year's 4-H exhibit.
3. An entrant may enter in only one (1) State Fair 4-H Fashion Revue classification.
4. Outfits to be worn in the State Fair 4-H Fashion Revue cannot be exhibited in the State Fair 4-H Sewing exhibit.

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.

Classifications:

Junior Division

No State Fair Entries

Level A: Grade 3

Elastic waist *shorts, pants* OR *skirt* with fold over casing; no pockets

Level A: Grade 4

Shorts, pants OR skirt with partial or full sewn on waistband, or waistline facing OR simple shirt or top OR BBQ Apron.

Level B: Grade 5

Simple shirt with sleeves OR sundress OR jumper OR simple two (2) piece pajamas.

Level B: Grade 6

Two (2) garments which can be worn together.

Level C: Grade 7

School or sports outfit. Can be one (1) or more pieces.

Senior Division:

State Fair Entries: Six (6) State Fair participants 8- 12 grade (maximum of 2 per category).

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.

CONSUMER CLOTHING FASHION REVUE:

No State Fair Entries

Level 1: Grades 3 thru 5

Exhibit an item of clothing which you helped purchase and you'll wear with other clothes in your wardrobe. Examples might be slacks, blouse, jeans, sweater, or sweatshirt. Choose an accessory to go with your purchase. Examples might be shoes, sweatband, belt, jewelry, or socks.

Level 2: Grade 6 thru 8

Exhibit a casual or school outfit you have purchased and accessorized or select from items you already own.

Level 3: Grade 9 thru 12

Exhibit an outfit you have purchased and accessorized or select from items you already own.

AWARDS:

All participants will be awarded red or blue ribbons according to the judge's decision as well as a comment sheets. Both ribbon and comment sheet will be sealed and presented to each participant at the Public Fashion Revue.

Junior Division:

Honor Group ribbons will be awarded to 4-H members displaying exhibits with exceptional merit as determined by the judge. A Champion and Reserve Champion exhibitor will be selected from the Honor Group within a Division. A Junior Grand Champion and Junior Reserve Grand Champion exhibitor will be selected from the division champion and reserve champion exhibitors.

Senior Division:

Honor Group ribbons will be awarded to 4-H members displaying exhibits with exceptional merit as determined by the judge. A Champion and Reserve Champion exhibitor will be selected from the Honor Group within a category. (Can win in both Fashion Revue and Clothing Construction but must choose State Fair entry before conclusion of County 4-H Fair.) A Senior Grand Champion and Junior Reserve Grand Champion exhibitor will be selected from the category champion and reserve champion exhibitors.

Consumer Clothing:

Honor Group ribbons will be awarded to 4-H members displaying exhibits with exceptional merit as determined by the judge. A Champion and Reserve Champion exhibitor will be selected from the Honor Group within an age category. A Grand Champion and Reserve Grand Champion exhibitor will be selected from the age category champion and reserve champion exhibitors.

FLORICULTURE

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

Youth will learn basic information and skills needed to grow healthy plants and flowers. The project is divided in four different levels.

<i>Completion, exhibition participation, and State Fair information for Floriculture</i>			
Division/Level	Grades	Completion Activities Needed*	State Fair Entries
<i>Level A</i>	<i>Grades 3-4</i>	<i>Complete 5 Activities* and Record Sheet</i>	Each county will be allowed to send one (1) flower and plant exhibit per category per level and one (1) poster or notebook exhibit per level, and one (1) demonstration per exhibitor. Total entries allowed per county: Level A, four (4) flower and plant exhibits and one (1) poster/notebook; Level B, three (3) flower and plant exhibits and one (1) poster/notebook; Level C, six (6) flower and plant exhibits and one (1) poster/notebook; and Level D, six (6) flower and plant exhibits and one (1) poster/notebook.
<i>Level B</i>	<i>Grades 5-6</i>	<i>Complete 5 Activities* and Record Sheet</i>	
<i>Level C</i>	<i>Grades 7-9</i>	<i>Complete 5 Activities* and Record Sheet</i>	
<i>Level D</i>	<i>Grades 10-12</i>	<i>Complete 4 Activities* and Record Sheet</i>	

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Floriculture Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Each 4-H'er may enter more than one (1) exhibit in their appropriate division, but only one (1) exhibit in each of the division subcategories offered.
3. All flowers will remain on display unless wilted or disarranged.
4. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Entries per exhibitor:

Each project member is allowed one (1) arrangement type or one (1) poster/notebook type exhibit per exhibitor (exhibitors are not required to do both). Each exhibitor may also choose to do a demonstration in addition to an arrangement and/or notebook/poster.

Note to youth exhibitors:

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 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 or 4.

You should 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:

4-H 966 Floriculture: Level A

4-H 967 Floriculture: Level B

4-H 968 Floriculture: Level C

4-H 969 Floriculture: Level D

CD-4-H 989 Floriculture: Supplement CD

For all potted plant exhibits: Do NOT fill pot to the top with soil. Leave space for proper watering.

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 the youth was able to take what he or she learned from their research (experiment, or on web, in library, etc.) and/or activities to create the notebook.
- Work should include references where appropriate.
- Pictures, graphics, and artwork are encouraged.

Poster Guidelines

- Dimensions are to be 22" x 28" displayed horizontally with stiff backing and must be covered with clear plastic
- Identification included in the lower right corner (exhibit tag).
- 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 and 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 nine (9) inches tall by three (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 nine (9) inches tall by three (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, it 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, it 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 demonstration.

Interactive Demonstration

Participate in an interactive demonstration at the county or state fair or demonstration contest related to topics for this grade level, or any of those listed above.

Level B: Grades 5 and 6 - State Fair entries in all division categories

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 three (3) or more kinds of plants and have been planted at least two (2) 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 must not exceed 18"x 18".
3. Display one (1) house plant (foliage and/or flowering) in a container not to exceed ten (10) inches in diameter. There must be only one (1) 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 and how you 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, or 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.

Interactive Demonstration

Participate in an interactive demonstration at the county or state fair or demonstration contest related to topics for this grade level, or any of those listed above.

Level C: Grades 7-9 - State Fair entries in all division categories

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) which you have planted and cared for a minimum of two (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 three (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 material 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 material). Bows and decorative items are okay. The exhibit must not exceed 18" x 18" (height will be variable).

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 your 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.
9. Describe an experiment you did and the results.
10. Describe a career exploration activity you did, such as job shadow, interview with a professional.
11. Describe a community service activity you did related to your flowers project -- what you did, why, results, etc.

Interactive Demonstration

Participate in an interactive demonstration at the county or state fair or demonstration contest related to topics for this grade level, or any of those listed above.

Level D: Grades 10-12 - State Fair entries in all division categories

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"x 24" x 36". 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"x 24" x 36". 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" x 36". Include a label which 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 which you propagated (and grew and cared for) by tissue culture or other vegetative propagation methods, or flowering bulbs which 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 of flowers, different time of 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 relative to your flowers project: how, why, results.

Interactive Demonstration

Participate in an interactive demonstration at the county or state fair or demonstration contest related to topics for this grade level, or any of those listed above.

FOODS: FOOD PREPARATION

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Food Preparation</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Food Preparation is a product that cannot be in any other foods category, and must be perishable.
3. You need to bring the entire dish you have prepared; it cannot be just a portion of the recipe.
4. You will need to bring a place setting display such as placemat, plate, fork, spoon, knife, water glass, etc. and you will need to serve the Judge your product.
5. All products should be made from scratch not a box mix.
6. You are judged on product and presentation.
7. 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.
8. It is required that you include the recipe and a day's menu with your exhibit.
9. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBITS:

Level 1: Grades 3 thru 5

You may select one (1) of the following categories in which to enter: (Select a different exhibit each year-not necessarily a different category.)

- | | |
|---|-------------------|
| 1. Appetizer | 4. Salad |
| 2. Snack | 5. Vegetable Dish |
| 3. Reception (table decorations and setting included) | 6. Main Course |
| | 7. Dessert |

Bring your exhibit, recipe, and a day's menu including your product.

Level 2: Grade 6 thru 8

You may select one (1) of the following categories in which to enter: (Select a different exhibit each year-not necessarily a different category.)

- | | |
|---|-------------------|
| 1. Appetizer | 4. Salad |
| 2. Snack | 5. Vegetable Dish |
| 3. Reception (table decorations and setting included) | 6. Main Course |
| | 7. Dessert |

Bring your exhibit, recipe, and a day's menu including your product.

Level 3: Grade 9 thru 12

You may select one (1) of the following categories in which to enter: (Select a different exhibit each year-not necessarily a different category.)

- | | |
|--|-------------------|
| 1. Appetizer | 5. Vegetable Dish |
| 2. Snack | 6. Main Course |
| 3. Reception (table decoration and setting included) | 7. Dessert |
| 4. Salad | |

Bring your exhibit, recipe, budget with cost comparison/analysis, and a day's menu including your product.

Additionally, youth in this category must do a cost comparison/analysis **from at least two stores** of the meals they plan keeping the given budget in mind. Cost analysis/comparison can be done through virtual shopping, creating an online list, etc. Physical receipts are not necessary. Cost comparison/analysis would include all items needed in the recipe(s).

Additional Food Preparation Requirements:

For Food Competitions: Raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160oF (i.e. pasteurized or included as part of a batter and baked) are acceptable.

Foods should be transported to the competition in a way that minimizes contamination and maintains the quality of the food (i.e. foods that are judged as frozen should remain frozen at all times).

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

- ***Name***
- ***Date the food product was made***

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

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

FOODS – Baked and Food Preservation

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

From snacks to gourmet meals, 4-H Foods and Nutrition projects provide members with the knowledge and skills they need to select, purchase, prepare and preserve a healthy variety of foods. Discover why cake rises, what makes yeast grow, and other fun food experiments. Practice making smart food choices using My Plate.

<i>Completion, exhibition participation, and State Fair information for Foods</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level A</i>	<i>Grades 3-4</i>	<i>Minimum 3 Activities*</i>	<i>1 Entry Per Grade</i>
<i>Level B</i>	<i>Grades 5-6</i>	<i>Minimum 3 Activities*</i>	<i>1 Entry Per Grade</i>
<i>Level C</i>	<i>Grades 7-9</i>	<i>Minimum 3 Activities*</i>	<i>1 Entry Per Grade</i>
<i>Level D</i>	<i>Grades 10-12</i>	<i>Minimum 3 Activities*</i>	<i>1 Entry Per Grade</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Foods Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. 4-H members are required to complete the Record Sheet in their 4-H Foods Manual.
3. 4-H Record Sheet should NOT be exhibited with your completed project but must be presented to your local 4-H leader for completion.
4. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

LEVELS:

Level A Grades 3 – 4
Level C Grades 7 – 9

Level B Grades 5 – 6
Level D Grades 10 – 12

Exhibit Introduction:

Purdue Extension Food Safety Policy

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 160oF (i.e. pasteurized or included as part of a batter and baked) are acceptable. No home canned fruits, vegetables, or meats are permitted as ingredients in food products.

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

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

- ***Name***
- ***Date the food product was made***

Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. If cuts are present, the wound should be bandaged and a single use food service glove worn on the hand during all stages of food production. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. People experiencing symptoms of vomiting, diarrhea, fever, and/or jaundice should not be allowed to prepare food. Judges and individuals who will consume products from county and/or state competitions should be informed that they are at risk for foodborne illness since the established policy cannot guarantee that an entry has been properly prepared or handled before, during or following the competition. The food products for competitions are home produced and processed and the production area is not inspected by the Indiana State Department of Health. Tasting of a food product is solely at the discretion of the judge and consumers. Judges are NOT to taste any home preserved foods such as low-acid or acidified foods like green beans, tomatoes or tomato products, jams/jellies/fruit preserves or fermented products produced in the home.

Labeling Suggestions:

1. Cover label with clear plastic wrap so that it will not become grease stained.
2. Tape label to the paper plate or container before the product is wrapped.
3. ***Products must be labeled with name and date the product was made per updated Purdue Food Safety Guidelines (above).***

Recipe or index cards:

1. A recipe card or index card (no larger than 5 1/2" x 8 1/2") is required for all food exhibits. Be sure to include the recipe source and all the information requested in the exhibit description, as well as your name, county, and the grade level/exhibition option. It is recommended that you wrap the card in plastic wrap or in a plastic bag. Recipe cards will not be returned.
2. Since it is illegal in the State of Indiana for youth under the age of 21 to purchase or consume alcoholic beverages, 4-H members are to use recipes that do not include an alcoholic beverage as an ingredient. A suitable non- alcoholic or imitation product may be substituted.
- 3.

Food preservation jars/containers:

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

How to prepare products for display:

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

Level: Level A Grade 3

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** Three (3) snack-sized (approximately 2"-3" individual size) drop, molded or bar baked cookies. No glaze or frosting. Include recipe card and display on a dessert size paper or foam plate.
- **Preserved:** A package of three (3) baked, snack-sized (approximately 2"-3" individual size) frozen cookies. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.

Level: Level A Grade 4

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** Three (3) standard size muffins that contain an ingredient that is a source of Vitamin A or Vitamin C (no muffin liners). Include recipe card.
- **Preserved:** One (1) package of frozen berries. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with recipe and instructions for cooking or defrosting. Label with name of product, quantity, and date frozen.

Level: Level B Grade 5

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** A square, oblong, or round layer reduced-fat cake without frosting. Reduce the amount of fat in the recipe by using a fruit puree or baby food fruit product that does not contain yogurt. Include recipe card.
- **Preserved:** One (1) 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 four (4) MyPlate food groups on your pizza. Meat toppings such as hamburger, sausage, bacon, etc. must be cooked. Display on covered cardboard inside freezer bag. Include index card with recipe and instructions for cooking. Label with name of product, quantity, and date frozen.

Level: Level B Grade 6

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** Three (3) no-yeast, any shape pretzels with a whole grain flour mixture (shaped, stick, or nugget) OR three (3) no-yeast sweet or savory rolled biscuits with a whole grain flour (no drop biscuits.) Include recipe card.
- **Preserved:** One (1) package of any frozen vegetable or combination vegetables. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with instructions for **defrosting and** cooking. Label with name of product, quantity, and date frozen.

Level: Level C Grade 7

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** Three (3) yeast bread sticks or yeast rolls (any shape, medium size - not a sweet roll), using a whole grain flour mixture such as whole wheat, rye, oat bran, etc. Include recipe card. Participants are expected to learn how to knead bread dough by hand and allow it to rise appropriately. It is NOT acceptable to use a home bread maker.
- **Preserved:** One (1) container of freezer jam. Include index card with recipe and instructions for storing. Label with name of product, quantity, and date frozen.

Level: Level C Grade 8

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** A yeast bread (can be loaf, braid, but not rolls) using a whole grain flour mixture such as whole wheat, rye, oat bran, etc. Include recipe card. Participants are expected to learn how to knead bread dough by hand and allow it to rise appropriately. It is NOT acceptable to use a home bread maker.
- **Preserved:** One (1) jar of a canned tomato product using the Hot Pack Method for a boiling water bath canner, such as tomato juice, catsup, barbecue sauce, or salsa. Include index card with recipe and instructions for cooking or using the product. Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or Ball Blue Book recipes are acceptable.

Level: Level C Grade 9

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** One (1) package of a non-perishable, invented healthy snack (such as a granola bar, popcorn snack, trail mix, etc.). Your snack must include at least two (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.
- **Preserved:** One (1) jar of a canned pickled product or canned pickles. Include index card with recipe, processing, and storage instructions. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or Ball Blue Book recipes are acceptable.

Level: Level D Grade 10

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** A single or double crust baked fruit pie (no graham cracker crust). Include recipe card. (Note: Custards, cream, cream cheese frosting and fillings, and raw egg white frosting are not acceptable in an exhibit because they are highly perishable when left at room temperatures.)
- **Preserved:** One (1) jar of pressure canned vegetables, meat or combination product, such as soup, stew, spaghetti sauce with meat, etc. Include index card with recipe and instructions for cooking or using the product. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Note: Only food preservation products made using USDA approved or Ball Blue Book recipes are acceptable.

Level: Level D Grade 11

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked:** A non-perishable baked food product for a catered meal or special event in which organizers have requested low fat and/or reduced sugar items. Exhibit will include your food product and a notebook outlining how this product is to be used at the event, menu, supplies to buy, preparation schedule, equipment, table layout, etc. A table display is optional and should be no larger than 16" deep x 22" wide x 28" high. Include index card with recipe.
- **Preserved:** One (1) package of a combination food frozen entree in freezer container. The combination food should contain three (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.

Level: Level D Grade 12

Exhibit (Participants may exhibit one (1) baked and/or one (1) preserved item per grade)

- **Baked**: Select a condition in which people have to specifically modify their eating habits (diabetes, heart disease, Celiac disease, food allergies, etc.) Prepare a non-perishable baked food product appropriate for someone with this condition. Exhibit will include your food product and a notebook summarizing the condition or allergy, nutrition considerations involved with the condition, a description of your baked item, and an explanation of how it fits within the nutrition considerations. Make sure to note any ingredients that could cause an allergic reaction. Include index card with recipe.
- **Preserved**: A jar of cooked jam or a reduced-sugar fruit spread. Include recipe card. Label with name of product, quantity, and date made.

FOODS: *Fun with Food Mixes (Formerly Make It With A Mix)*

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

From snacks to gourmet meals, 4-H Foods and Nutrition projects provide members with the knowledge and skills they need to select, purchase, prepare and preserve a healthy variety of foods. Discover why cake rises, what makes yeast grow, and other fun food experiments. Practice making smart food choices using My Plate.

<i>Completion, exhibition participation, and State Fair information for Fun with Food Mixes</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level A</i>	<i>Grades 3-4</i>	<i>Record Sheet, 3 recipes Per Year, Recipe Card</i>	<i>No State Fair Entries</i>
<i>Level B</i>	<i>Grades 5-6</i>	<i>Record Sheet, 3 recipes Per Year, Recipe Card</i>	<i>No State Fair Entries</i>
<i>Level C</i>	<i>Grades 7-9</i>	<i>Record Sheet, 3 recipes Per Year, Recipe Card</i>	<i>No State Fair Entries</i>
<i>Level D</i>	<i>Grades 10-12</i>	<i>Record Sheet, 3 recipes Per Year, Recipe Card</i>	<i>No State Fair Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

Exhibit Introduction:

Exhibitors must complete a record sheet each year. Project manual is a "Complete Guide to Cooking With Mixes." Participants should make a minimum of three (3) mix recipes per year. A covered 5" x 8" recipe card is required with exhibit (handwritten or typed).

Level A (grades 3-4): Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create the following: (display on plastic plate or covered cardboard)

Grade 3 - Six drop, molded or bar baked cookies. No glaze or frosting. Include recipe card.

Grade 4 - Six muffins of any kind (no muffin liners). Include recipe card.

Level B (grades 5-6): Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create the following: (display on plastic plate, covered cardboard or disposable pan)

Grade 5 – Six brownies. Include recipe card.

Grade 6 - A square, rectangle, round or bundt cake, without frosting. Single layer only. Include recipe card.

Level C (grades 7-9): Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create the following: (display in appropriate glass or plastic cooking container)

Grade 7 – Loaf of bread. Yeast may be one of the added ingredients. Include recipe card.

Grade 8 – Six biscuits. Include recipe card

Grade 9- A cup of soup. Include recipe card.

Level D (grades 10-12): Using a purchased mix, add at least two (2) ingredients different than those listed on the package directions to create the following: (display in appropriate glass or plastic cooking container)

Grade 10 – An appetizer. Include recipe card.

Grade 11 – A vegetable side dish. Include recipe card.

Grade 12 – A main dish. Include recipe card

For Food Competitions: Raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160oF (i.e. pasteurized or included as part of a batter and baked) are acceptable.

Foods should be transported to the competition in a way that minimizes contamination and maintains the quality of the food (i.e. foods that are judged as frozen should remain frozen at all times).

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

- ***Name***
- ***Date the food product was made***

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

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

EXHIBIT:

Forestry Level 1: Grades 3-5 (Manual BU-8038, *Follow the Path*)

Exhibit a poster based on one (1) of the following activities - *chose a separate activity each year*

- **Leafing Out**- comparisons (pp 6 & 7). Collect, dry and mount six (6) different species of leaves showing leaf differences: one (1) leaf with opposite arrangement and one (1) with an alternate arrangement, two (2) leaves with different leaf margins, a compound leaf, and simple leaf. Use the 50 Trees of Indiana book (4-H 15-80 or CD-FNR-3) as a reference and identify the leaves and group them under the titles of "arrangement," "leaf margins," and "compound or simple." Draw (or copy the picture) and label the parts of a leaf using the diagram from the manual (Level 1). Title your poster, Leafing Out - Leaf Differences.
- **Leafing Out** - collection (pp 6 & 7). Identify and exhibit leaves from ten (10) different trees that are listed in 50 Trees of Indiana book (4-H 15-80 or CD-FNR-3). List at least two (2) 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 three (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 ten (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.

Forestry Level 2: Grades 6-8 (BU-8039, *Reach for the Canopy*)

Exhibit a poster based on one (1) of the following activities - *choose a different activity each year*

Display a poster based on one (1) 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 seven (7) parts. Give the chemical reaction for photosynthesis, defining the chemicals: CO₂, H₂O, O₂, and C₆H₁₂O₆. Be sure to balance your equation! There should be the same number of Carbon, Oxygen, and Hydrogen molecules on each side of the equal sign. You may need to ask an older (high school) 4-H member or science teacher for help. Draw the tree canopy, trunk, and roots (or use the tree diagram, 4-H 641B) 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.igic.org). Show where your home, your school, and your fairgrounds are located. Choose one (1) 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 ten (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 five (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 (2) 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(s) you planted, why you chose the species you did, what are the benefits of this tree, and how tall this tree(s) will be when mature. Explain why

you chose the planning 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 a drawing). Reference: FNR-FAQ-18-W

Forestry Level 3: Grades 9-12 (BU-8040, Explore the Deep Woods)

Exhibit a poster based on one (1) of the following activities - choose a separate activity each year

Display a poster based on one (1) of the following activities:

- **World of Forests** (pp 16 & 17). Indicate the three (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 five (5) different kinds of tree pruning for urban trees. List some do's and don'ts of proper pruning.
- **My Boss is a Tree** (pp 34 & 35). List five (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-W
- **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 (1) 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.
- **Herbarium Collection – Shrubs** Collect 25 terminal twigs, with leaves attached, from native shrubs. Mount the specimens on 11 ½" x 16 ½" paper. One (1) 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. ****Notebook with additional information may be displayed with poster.***

Forestry Independent Study: Grades 9-12

Exhibit

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, "Advanced Forestry - Mentor." 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.

GARDEN

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

The gardening project introduces youth to vegetable and herb gardening. You will learn about planning a vegetable garden, planting, fertilizing, different vegetable pests, harvesting, storage techniques and careers.

<i>Completion, exhibition participation, and State Fair information for Garden</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level A</i>	<i>Grades 3-4</i>	<i>Complete 6 Activities*</i>	<i>Check IN State Fair Website for State Fair Sign Up Deadlines</i>
<i>Level B</i>	<i>Grades 5-6</i>	<i>Complete 6 Activities*</i>	
<i>Level C</i>	<i>Grades 7-9</i>	<i>Complete 6 Activities*</i>	
<i>Level D</i>	<i>Grades 10-12</i>	<i>Complete 6 Activities*</i>	

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Garden Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. 4-H Garden members are required to read and complete five (5) activities they choose from their appropriate level 4-H Garden manual each year and turn the manual into their 4-H Leader in order to complete the project. Once you have completed the project, you then have the privilege of exhibiting at the 4-H Fair.
3. Each 4-H club member may enter one (1) garden collection and not more than five (5) single vegetables and/or five (5) herbs.
4. The 4-H Fair Board will furnish paper plates or appropriate display containers.
5. All 4-H Garden Project members are eligible to enter State Fair Garden Produce Classes and must sign up to enter Garden for the State Fair at the Extension Office during County Fair time.
6. A 4-H member is expected to plant and cultivate a family size garden and exhibit some of the produce. All vegetables entered must have been produced by the member in his or her garden project. Any exhibit that, in the opinion of the judge, has not been produced in a 4-H garden will be disqualified.
7. Vegetables will be judged according to quality, condition, uniformity, trueness of the type and size. Quality is of great importance; condition should be of the best. Vegetables should be clean, attractive, firm or crisp, free from injury or blemishes, and of the proper degree of maturity. Uniformity is important because good grading increase market sales and prices. Vegetables should conform to the size the market demands.
8. 4-H Garden exhibits will be disposed of as decomposition merits.
9. Vegetables entered for exhibit should be considered as "non-returnable" to the exhibitor due to their time-on-display and for lack of real food-value after a week at the Hendricks County 4-H Fair.
10. A collection exhibit will be lowered one (1) ribbon grade if two (2) or more vegetables of the same type are included.
11. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

The Gardening project is divided into four different levels:

- Level A: See Them Sprout (3rd and 4th grades)
- Level B: Let's Get Growing (5th and 6th grades)
- Level C: Take Your Pick (7th-9th grades)
- Level D: Growing Profits (10th-12th grades)

Exhibit Introduction:

Garden manuals:

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

Garden Manuals:

- 4-H-1037 — Garden Level A: See Them Sprout
- 4-H-1038 — Garden Level B: Let's Get Growing
- 4-H-1039 — Garden Level C: Take Your Pick

- 4-H-1040 — Garden Level D: Growing Profits
- 4-H-1041-W — Garden Helper's Guide

All posters, notebooks, and display boards 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.

Poster Guidelines

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

Requirements Level: All levels

Project Completion Recommendations

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

Exhibit:

4-H 970-W has been updated as of October 2015 with more specimens and new required numbers of specimens. Please carefully read these changes if you plan to exhibit at the State Fair. Follow your county Fair Book for county exhibit guidelines.

Single Vegetable:

May be selected from 4-H Garden Publication 4-H 970-W (updated yearly) or list in the State Fair Premium book. Maximum of 5 different single plate exhibits per exhibitor. Single vegetable entries MUST be labeled with common name, Latin name, and variety of vegetable. The Latin names can be found in 4-H Garden Publication 4-H 970-W. Example: Green bean (*Phaseolus vulgaris*) 'Blue Lake 47 Bush'

Garden Collection:

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

In all three (3) classes, vegetables are to be exhibited on paper plates and may include a display of not less than three (3) garden flowers, grown in your own garden. Exhibitors may each exhibit one (1) collection (3 or 4 or 5 plate garden collection) at State Fair. Garden collection entries should be labeled with common name, Latin name, and variety. Latin names can be found in 4-H Garden Publication 4-H 970-W.

Single Herb Exhibit:

- Can enter three (3) single herbs (all edible types) that MUST be labeled with common and Latin names and in pots 8" diameter maximum. (maximum of three different pots)
- Resource HO-28; 4-H 970-W
- For list of herbs acceptable for State Fair, see State Fair handbook or 4-H 970W.

Garden Education:

One (1) garden education exhibit per county.

Anyone can complete Section IV (Garden Education), but members enrolled in Levels C and D of the garden project SHOULD exhibit one (1) of the following activities in addition to the Produce Exhibit (Section I, II and III)

Produce Options:

1. Exhibit four (4) plates containing two (2) cultivars of two (2) different kinds of vegetables in your garden. For example: display tomato Rutgers and tomato Roma on two (2) plates and spinach Melody and America on two (2) plates. Label the cultivars you exhibit.
2. Label and exhibit three (3) unusual vegetables (may or may not be discussed in your 4-H Garden Manual) you grew in your garden this year. If not listed in the vegetable display chart, check with your Extension office. For example: spaghetti squash, head lettuce, etc.

Poster Options:

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

JUST FOR FUN

No State Fair Entries

LARGEST VEGETABLE EXHIBIT-Exhibit your largest vegetable of acceptable (or better) quality in any of the class listed below: (ONLY one (1) entry per class)

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

Largest infers the vegetables should be of edible OR (sunflower) market quality. Placing will be made in numeric order to the top five winners in each class. No Champions will be awarded.

GENEALOGY

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Genealogy</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Division 1</i>	<i>1st Year Project Member</i>	<i>Record Sheet</i>	<i>1 Entry</i>
<i>Division 2</i>	<i>2nd Year Project Member</i>	<i>Record Sheet</i>	<i>1 Entry</i>
<i>Division 3</i>	<i>3rd Year Project Member</i>	<i>Record Sheet</i>	<i>1 Entry</i>
<i>Division 4</i>	<i>4th Year Project Member</i>	<i>Record Sheet</i>	<i>1 Entry</i>
<i>Advanced Division</i>	<i>5th Year and Above</i>	<i>Record Sheet</i>	<i>1 Entry</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

Exhibit Information

Forms for this project are found on the Indiana 4-H Web site www.extension.purdue.edu/4-H 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.

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

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 this 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 options); Diary of Your Work

(this will be a second diary describing work done for each advanced division option)

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

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

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professional 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

Requirements:

Level: Division 1

Exhibit

- 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/4-H, 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 (3) 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.
- Turn in a completed record sheet.

Level: Division 2

Exhibit

- Exhibit notebook that includes the following:
 - Book #1
 - Four-generation pedigree chart. This would include you, your parents, your grandparents, and great-grandparents, ancestors #1 through #15. You must use the pedigree charts listed at www.extension.purdue.edu/4-H, 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 groups 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.
- Turn in a complete record sheet.
- Exhibit Book #1, Book #2, and Book #3, which should only include Division 2 ancestors 8-15 and related information.

Level: Division 3

Exhibit

- 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 programs, 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/4-H, 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 generation five (5). 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 16-31 information)
 - An additional information worksheet for each set of great-grandparents.
 - 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.
- Turn in a completed record sheet.
- Exhibit Book #1, Book #2, and Book #3, which should only include Division 3 ancestors 16-31 and related information.

Level: Division 4

Exhibit

- Exhibit a notebook(s) that includes the following:
 - Book #1
 - Six (6) generation pedigree charts, ancestors #1 through #63. Computer programs do not generally print chart numbers, so if you are using a computer programs, make sure you have correct number of ancestors. You must use the pedigree charts listed at www.extension.purdue.edu/4-H, 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 sections "Recording the Information").
 - Book #2 (Ancestors 32-63 information)
 - Additional information worksheets
 - A diary of your work
 - Book #3 (Ancestors 32-93 information)
 - A copy of a photograph or a story of sixth-generation ancestor. Include information about the date when the photograph was taken, how or when 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.
- Turn in a completed record sheet.
- Exhibit Book #1, Book #2, and Book #3, which should only include Division 4 ancestors 32-63 and related information

Level: Advanced Division

Exhibit

- 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 (7) and eight (8).
 - 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.
- Turn in a completed record sheet.

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

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

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

- A. A migration map of your eight-generation ancestors. You should have at least one map per family line with charts or explanations of the migrations.
- B. A timeline historical report of a family line. Show how this family fits into history. Document your report as well as possible with dates, records, places or maps, pictures, etc. Be sure to include proper labels and sources.
- C. A census history of a family line. Census abstract forms can be found on several websites. Download forms to abstract the census. Your notebook should contain copies of the census and the completed abstract form for each census
- D. A history of your family's religious background for any family line or lines. Include a brief history of the denomination. Include baptism, confirmation or profession of faith and membership records. Also include information or history of the congregations involved. Be sure to include proper labels and sources.
- E. A history of your family's military service for a family line. Include supporting documents when possible. These documents could include military records, (muster rolls, discharge papers, etc.), pension records, and bounty land records, as well as maps and pictures. Be sure to include proper labels and sources.
- F. A research paper on a famous ancestor. Prove your relationship to this person with documentation. Try to include pictures and anecdotes to enhance your paper.
- G. Complete a family line or lines back as many generations as possible beyond eight generations (ancestors 256 and beyond). Include pictures, maps and documents. Be sure to include proper labels and sources.
- H. A timeline historical report of another family line not previously completed. Document as well as possible as in Option B. You need to state at the beginning that this is a second family historical report on such ancestor.
- I. A history of your family's military service for a family line not previously completed. Include supporting documents as in Option E. You need to state at the beginning that this is a second family military history report on such ancestor.
- J. Family DNA history. (This can be very expensive option) Please include charts and explanations. i.e. use pie charts, ethnicity estimates, approximate percentage regionally, number of countries searched, genetic percentage, family tree, graphs, etc.

GEOLOGY

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

This project introduces youth to the fascinating hobby of "rock hunting." Geology involves studying the earth's crust, its layers, and their history. Youth learn to identify Indiana rocks, minerals, and fossils.

<i>Completion, exhibition participation, and State Fair information for Geology</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Geology Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. 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 posters 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.**
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

NOTES:

- You may purchase your specimens and may display rocks, fossils, and minerals. If you purchase a specimen, indicate when and where you purchased it, and the location where you would expect to find the specimen. If you collect a specimen, indicate the county and township where you found it.
- Posters and display boxes will be exhibited "standing up" at the County and Indiana State Fair. Therefore, you need to mount your specimens securely. Project leaders suggest the following methods: soaking ½ cotton ball in Elmer's glue, hot glue, or clear tub sealant. Place the cotton ball in your box and put your rock (or fossil or mineral) on the cotton ball and let sit. It will take 1-2 weeks for Elmer's glue to fully harden. Specimens mounted with Elmer's glue can be removed by soaking the cotton ball in water. Glue remaining on the rock may be brushed off with an old, damp toothbrush.
- When exhibiting rocks show a fresh surface to help judges identify the rock.
- Labels - Include the specific geographical location where you would expect to find any specimens

as well as where you actually acquired it (found, purchased, etc.).

- Do not identify your specimens any further than phylum and class. There is one exception to this for fossils which are identified to phylum OR class. Class should only be used for fossils of mollusks, backboned animals, and arthropods.

EXHIBIT:

Level 1: Grade 3-5

One (1) State Fair entry per county

Display a poster (or use an exhibit box) based on one (1) 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 (3) 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 their 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 (3) 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

One (1) State entry per county.

Display a poster (or use an exhibit box) based on one (1) of the following activities:

- Rocks with Different Textures, Identify and display six (6) rocks with three (3) very different textures (two (2) rocks of each general type). Include three (3) grades of sandpaper and show how the differences in sandpaper is similar to the differences in rock texture.
- Indiana Limestone, Show and label pictures or photographs of ten (10) 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 ten (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's Glaciers, Show the extent of Indiana's three (3) main glaciers.
- Indiana Geology, exhibit a map or sketch of Indiana showing at least ten (10) 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 (1) 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

One (1) State Fair entry per county.

Display a poster (or use an exhibit box) based on one (1) 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 (5) 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 exhibit option should include geological features of the park or forest.
- Indiana, U.S, or World Geology. Teach others about one (1) 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.

Level: Independent Study: Grades 9-12

One (1) State Fair entry per county.

- 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 you're 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.**

GIFT WRAPPING: Creative and Expressive Arts

PLEASE NOTE: Any changes/updates from the previous year will be BOLDDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

<i>Completion, exhibition participation, and State Fair information for Gift Wrapping</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

County Placings: One (1) Champion and one (1) Reserve Champion per level

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Packages for exhibits should not contain articles, and have an **Exhibit Card** attached to the package.
3. Each package should have a **Gift Tag** (coordinate with the gift wrapping & without an envelope) filled out as to who it is to & from.
4. Level 1 can use store bought bows or you can have help making them. Level 2 & 3 are required to make your own bows.
5. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

LEVEL 1: Grade 3 thru 5 - *One (1) Champion and one (1) Reserve Champion*

You may select one (1) of the following categories to exhibit. Level 1 can use a store-bought bow or have help making one. Do not repeat categories.

- Exhibit one (1) wrapped square or rectangular box, using a theme. Themes can consist of baby shower, graduation, anniversary, wedding, Christmas, or other holiday, etc.
- Exhibit one (1) Gift Bag. Use a theme of your choice. Show creativity on your bag, such as matching tissue, or topper for your bag. Weight down your bag before you begin with a bag of rice or beans so your bag will not tip over.
- Exhibit one (1) wrapped cylinder shaped package. Show your creativity in the materials you choose.

LEVEL 2: Grade 6 thru 8 – *One (1) Champion and one (1) Reserve Champion*

You may select one (1) of the following categories to exhibit. You must make your own bows. Do not repeat categories.

- Exhibit one (1) wrapped package that has a separate top and bottom. Each section is to be wrapped separately so the Judge can open it. The box must contain a liner like tissue paper. Both inside and outside wrapping will be judged.
- Exhibit a two (2) tiered packages connected together.
- Exhibit a package in any other shape other than square, rectangle, or cylinder. Example: heart, octagon, star, oval, etc.

LEVEL 3: Grade 9 thru 12 – *One (1) Champion and one (1) Reserve Champion*

You may select one (1) of the following categories to exhibit. You must make your own bows. Do not repeat categories.

- Exhibit a self-made Gift Bag. Be creative. Weight down the bag with a bag of beans or rice so it won't tip over.
- Exhibit a Package wrapped using any material other than paper Example: dishtowel, baby blanket, material, foil, etc.

- Exhibit a Gift Basket. Show creativity on the container you choose. Your basket must be wrapped using clear wrap so the judge can see what is in it.
- Exhibit a three (3) Tiered package of boxes connected together.
- Exhibit a two (2) Tiered package of cylinder boxes connected together.

HEALTH

PLEASE NOTE: Any changes/updates from the previous year will be BOLD and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

<i>Completion, exhibition participation, and State Fair information for Health</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 4 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 4 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 4 Activities*</i>	<i>1 Entry</i>

****"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Health Project Manuals. Fair Exhibit requirements are listed below.***

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. Each member will be required to complete three activities in the Health manuals each year.
3. Posters will measure 22" x 28" and will be displayed horizontally. Posters must have a hard backing and must be covered with clear plastic.
4. All Health exhibits should include a label with this information from FairEntry.
5. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

ALL LEVELS:

Members may exhibit one or multiple options listed below in their appropriate grade category.

EXHIBIT:

Level 1 (Grades 3-5)

Grade 3

Exhibit Requirement Options:

1. A poster on one (1) of the following topics or any other topic covered in Level A:
 - a. First Aid for Cuts and Scrapes
 - b. First Aid for Choking
 - c. First Aid for Strains, Sprains, and Bruises
2. A family first aid kit
3. A Project Interactive Demonstration related to a topic covered in Level A.

Grade 4

Exhibit Requirement Options

1. A poster on one (1) of the following topics or any other topic covered in Level A.

- a. First Aid for Treating Nosebleeds
 - b. First Aid for Foreign Objects
 - c. First Aid for Stings or Bites
2. A family first aid kit (including at least one (1) Make Your Own item discussed in your 4-H manual)
3. A Project Interactive Demonstration to a topic covered in Level A

Grade 5

Exhibit Requirement Options

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

Level 2 (Grades 6-8)

Grade 6

Exhibit Requirement Options

1. A poster on one (1) of the following topics or any other topic covered in Level B:
 - a. Human viruses or bacteria
 - b. Keeping hair, skin, nails, teeth, ears or eyes clean
2. A report of three (3) activities you completed in the 4-H manual
3. A Project Interactive Demonstration related to a topic covered in Level B

Grade 7

Exhibit Requirement Options

1. A poster on one (1) of the following topics or any other topic covered in Level B.
 - a. Nutrient rich "Power" foods
 - b. Healthy snacks
 - c. Appropriate portion sizes
2. A report of three (3) activities you completed in the 4-H manual
3. A Project Interactive Demonstration related to a topic covered in Level B

Grade 8

Exhibit Requirement Options

1. A poster on one (1) of the following topics or any other topic covered in Level B:
 - a. The importance of eating breakfast
 - b. The importance of physical activity
 - c. Turning everyday activities into exercise opportunities
2. A report of three (3) activities you completed in the 4-H manual
3. A Project Interactive Demonstration related to a topic covered in Level B

Level 3: Grade 9-12

Exhibit Requirement Options

1. A poster on a topic covered in Keeping Fit: Fitness Activities for Youth
2. A report of three (3) activities you completed in the 4-H manual
3. A Project Interactive Demonstration related to a topic covered in Level C.

HOME ENVIRONMENT

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Home Environment</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 3 Activities*</i>	<i>2 Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 3 Activities*</i>	<i>2 Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 3 Activities*</i>	<i>2 Entries</i>

***“Activities” are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Home Environment Project Manuals. Fair Exhibit requirements are listed below.**

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.

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

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

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.

EXHIBITS:

Level 1: Grades 3–5 (two (2) State Fair exhibits from this level)

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

Furniture Options for Level 1

Choose one option to exhibit 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 (3) 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 (1) 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 (2) 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 (two (2) State Fair exhibits from this level)

Manual: *Home Environment: Design Decisions* (University of Nebraska). This one (1) manual is to be used for grades 6–12 as a resource and a reference. Indiana 4-H exhibit options are not listed in the University of Nebraska manual. You are referred to the Indiana 4-H Youth Development website: www.four-h.purdue.edu or your local county 4-H handbook for exhibit option details.

Furniture Options for Level 2

Choose one option to exhibit 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 (1) piece of furniture the 4-H member has refinished.
- One (1) piece of furniture the 4-H member has changed using decoupage, paint, fabric, etc.
- One (1) cushion or one (1) 2-piece set of cushions, preferably made by the 4-H member, displayed with intended furniture
- One (1) 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 (1) piece of furniture that the 4-H member has reupholstered.
- One (1) 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 (3) 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 (3) 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 (3) 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 (two (2) State Fair exhibits from this level)

Manual: Home Environment: Design Decisions (University of Nebraska). This one (1) manual is to be used for grades 6–12 as a resource and a reference. Indiana 4-H exhibit options are not listed in the University of Nebraska manual. You are referred to the Indiana 4-H Youth Development website: www.four-h.purdue.edu or your local county 4-H handbook for exhibit option details.

Furniture Options for Level 3

Choose one option to exhibit 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 (1) piece of furniture the 4-H member has refinished.
- One (1) piece of furniture the 4-H member has changed using decoupage, paint, fabric, etc.

- One (1) cushion or one (1) 2-piece set of cushions, preferably made by the 4-H member, displayed with intended furniture
- One (1) 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 (1) piece of furniture that the 4-H member has reupholstered.
- One (1) 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.
- 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.
- 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).
- 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.)

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 (3) 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 (2) 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.

HORSE LOVERS: Horse and Pony

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

Completion, exhibition participation, and State Fair information for Horse Lovers: Horse and Pony

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Division 1</i>	<i>Grades 3-4</i>	<i>Complete Workbook Each Year and 1 Demonstration Each Year</i>	<i>No State Fair Entries</i>
<i>Division 2</i>	<i>Grades 5-6</i>	<i>Complete Workbook Each Year and 1 Demonstration Each Year</i>	<i>No State Fair Entries</i>
<i>Division 3</i>	<i>Grades 7-8</i>	<i>Complete Workbook Each Year and 1 Demonstration Each Year</i>	<i>No State Fair Entries</i>
<i>Division 4 and Above</i>	<i>Grades 9-12</i>	<i>Complete Workbook Each Year and 1 Demonstration Each Year</i>	<i>No State Fair Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
 2. This project is for 4-H'ers who are interested in horses without owning their own horse or pony.
 3. Choose a new topic each year you are in this project.
 4. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
- Suggested Resources available at the Extension Office: [Horses & Horsemanship](#) and [Horse Science](#)

EXHIBIT:

Division 1:

Exhibit one (1) of the following:

- a. Poster with a picture showing the parts of a horse.
- b. Poster with pictures showing different breeds of horses.
- c. Poster with pictures showing different colors of horses.

Division 2:

Exhibit one (1) of the following:

- a. Poster showing tack with information about each piece.
- b. Poster showing gaits of the horse.
- c. Poster showing and explaining items used in proper grooming.

Division 3:

Exhibit one (1) of the following:

- a. Poster giving training information.
- b. Poster showing hoof structure.
- c. Poster showing and explaining items used in proper foot care.
- d. Poster relating to horse safety.

Division 4 and Above:

Exhibit one (1) of the following:

- a. Poster showing anatomy.
- b. Poster showing examples of unsoundness.
- c. Poster showing and explaining the horse digestive system.
- d. Poster showing life cycles of internal parasites.

4-H JR LEADERS

PLEASE NOTE: Any changes/updates from the previous year will be BOLDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

Junior Leader Purpose:

1. To encourage the development of young adults.
2. To provide assistance to the local 4-H Clubs and their 4-H Adult Leaders.
3. To assist in the leadership of 4-H activities and programs.
4. To collaborate, socialize and experience 4-H on another level.

Who is Eligible:

1. 4-H members who are currently in Grades 7 – 12 and Hendricks County 4-H members.
2. Enrolled in the 4-H Junior Leader project.

Requirements for all 4-H Jr. Leaders to complete:

1. Complete county and local activities for the project.
2. Assist with fair activities as needed.
3. Complete the 4-H Jr. Leader Manual and turn it into the Extension Office.
4. The above requirements are also required before a 4-H Jr. Leader is allowed to go on Jr. Leader Completion Trip.

Be sure to enroll in the project on 4-HOnline.

LIVESTOCK EDUCATIONAL DISPLAY

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

This project is for all non-state fair eligible livestock poster/display projects, including Beef, Dairy Beef, Dairy, Goats, Horse & Pony, Pigeon, Sheep, and Swine. For more information on poster/displays related to Cats, Dogs, Llama/Alpaca, Rabbits, and Poultry, please see their livestock section of the handbook as these have specific guidelines and could qualify for State Fair.

<i>Completion, exhibition participation, and State Fair information for Livestock Educational Display</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 7 Activities*</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 7 Activities*</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 7 Activities*</i>	<i>No State Fair Entries</i>

**Activities* are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Livestock Educational Display Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT LEVELS:

- Level 1 (Grades 3 thru 5 in January of current year)
- Level 2 (Grades 6 thru 8 in January of current year)
- Level 3 (Grades 9 thru 12 in January of current year)

***Note: All species will be judged as one project in each level listed.**

Exhibit suggestions:

Poster: Create a poster based on a topic in your livestock manual that is appropriate for your grade level. Use a 22" x 28" poster board with a stiff backing and a clear protective covering. Posters must be displayed horizontally. A poster label secured from your leader should be attached to the lower right-hand corner of the poster exhibit.

Notebook: Create an educational 3-ring binder based on a topic in your livestock manual that is appropriate for your grade level. A FairEntry exhibit tag must be in the bottom right hand corner on the front of your notebook.

Educational Display: Create an Educational Display based on a topic in your livestock manual that is appropriate for your grade level. A FairEntry exhibit tag must be secured on the bottom right hand corner of your display.

Interactive Demonstration: Participate in an interactive demonstration at the county or state fair or demonstration contest related to topics for your grade level.

LLAMA / ALPACA CRAFT or POSTER: Llama and Alpaca

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

Completion, exhibition participation, and State Fair information Llama/Alpaca Craft/Poster

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>1 craft and 1 poster</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>1 craft and 1 poster</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>1 craft and 1 poster</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT: Exhibit will consist of: (chose one (1) *or both* of the following)

- one completed craft item which can be a single item or a set, & a notebook explaining how the craft was made.
- a Llama Poster Educational Exhibit

Level 1: Grades 3 thru 5:

- Make one (1) craft and/or poster following the 'Project Exhibit Guidelines' that is appropriate for the current grade level.

Level 2: Grades 6 thru 8:

- Make one (1) craft and/or poster following the 'Project Exhibit Guidelines' that is appropriate for the current grade level.

Level 3: Grades 9 thru 12:

- Make one (1) craft and/or poster following the 'Project Exhibit Guidelines' that is appropriate for the current grade level.

Llama Poster Educational Exhibit

1. Posters will be judged on theme, construction, style and language. Posters must have been constructed within one (1) year of exhibit and must follow general county and state poster guidelines.
2. Each poster must have been made by the 4-H member enrolled in the current year's 4-H program.
3. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements for poster qualifications.
4. Standards of evaluation:
 - a. Content and information (accuracy and completeness) - 40 points
 - b. Originality and creativity (attracts interest, encourages thought) - 25 points
 - c. Suitable subject and age appropriate (matches child's age and ability) - 10 points
 - d. Conveys message/accomplishes purpose - 5 points
 - e. Meets exhibit requirements - 5 points Total - 100 points

Llama Craft Exhibit

Llama/Alpaca Fiber Crafts - Exhibit will be judged on craftsmanship only. Crafts must have been made within one (1) year of exhibit. Any craft item constructed with llama or alpaca fiber may be entered. Craft may also contain other materials. Fiber may be processed (felted, spun, etc.) or unprocessed, and may be originated from any llama or alpaca. Exhibits will consist of one (1) completed craft item, which can be a single item or a set, and a notebook

explaining how the craft was made.

Advanced Study Options

After completing posters for five (5) years (not including years in Mini 4-H), the member is given the option to complete an advanced study. The topic needs to be pre-approved by the llama and alpaca project leader. Options include, but not limited to: fundraiser, research project, writing and illustrating a children's book, or studying and following animal husbandry pertaining to lamas or alpacas. Posters and Advanced Study are due at the time of Poster and Craft Entry. Be sure to label your poster "Advanced Study."

MINI 4-H

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The Mini 4-H Program is designed for youth in first or second grade of the current 4-H year. Mini 4-H is designed to supplement and introduce both first and second graders to the Hendricks County 4-H program.

Additionally, the Mini 4-H program is set up to allow youth to exhibit a project at the 4-H Fair. The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests and enthusiasm for learning. Mini 4-H is fun! Youth will certainly enjoy it. Parents can have fun too, by guiding and helping as their child participates in the program. Encourage and praise children as they have fun learning and sharing.

Mini 4-H members are welcome to take a maximum of two (2) of the following projects. Should a 4-Her do two years of Mini 4-H (first and second grade) projects can be repeated OR members can take two (2) different projects. ***Be sure to enroll in the projects on 4-H Online and enter exhibit information into FairEntry by designated date.***

Mini Arts & Crafts

- First Grade: Product from the decoupage, splatter painting, beaded key chain, collage or plaster figurine
- Second Grade: Seed drawing, painting, tissue paper, decoupage, beaded necklace, or clay free form

Mini Bugs Project

- First Grade: Product from "My Butterfly" or "Bug Lab"
- Second Grade: Product from "Thumbprint Bugs" or "Backyard Bugs"

Mini Collections

- First Grade: What I Collect or Poster: What You Collect
- Second Grade: What I collect or Notebook: What

Mini Cookie Decorating

- First Grade: Three (3) iced cookies decorated with candies, sprinkles, and/or baking chips
- Second Grade: Three (3) iced cookies with a border around the edge of each cookie. This may be by using decorations or icing and decorating tips. Be sure to decorate the inside of the cookie too! Be creative!

Mini Dinosaur

- First Grade: Product from "Build a Dinosaur" or "Clay Fossils"
- Second Grade: Product from "Dinosaur Diorama" or "Fossil Prints"

Mini Farm Animals

- First Grade: Product from "Barn 'yarn' Animals" or "Animal Tracks"
- Second Grade: Product from "Farm Diorama" or "What do Farm Animals Give us?"

Mini Foods Project

- First Grade: Display six (6) no-bake cookies on a 9" disposable plate
- Second Grade: Display three (3) breadsticks, cinnamon twists, or fruit turn-overs on a 9" disposable plate

Mini Gardening

- First Grade: Product from "Seeds in a Bag" Poster or "Container Gardens"
- Second Grade: Product of "Grow a Green Bean Plant" or "Grow a Potato Vine"

Mini Models

- First Grade: Product of "My Own Model" or a model from a plastic snap together model kit purchased from the store (be sure to keep it appropriate for your age)
- Second Grade: Shoebox Room Model or a models from a plastic snap together model kit purchased from the store (be sure to keep it appropriate for your age)

Mini Nature, Plants, & Trees

- First Grade: Leaf Poster or Bird Feeder
- Second Grade: Tree Poster or Tree Treasures Poster

Mini Oceans Project

- First Grade: An ocean pendant or an ocean life poster
- Second Grade: Ocean oil spill poster or ocean diorama

Mini Pets Project

- First Grade: What pet is best? Or Poster: My favorite pet
- Second Grade: Pet observation or Poster: Pet research

Mini Sewing

- First Grade: Product from "My Sewing Kit" with a list of tools you will put in the kit or "Pin Cushion"
- Second Grade: Product from "Buttons and Hand Stitching" or "Fabric Coasters"

Mini Sun, Stars, & Space

- First Grade: Sun Clock, Poster: Night Skies or Poster: Outer Space Art
- Second Grade: Notebook: Shadow Science, Poster: If I were an Astronaut...or Planet Mobile

Mini Wildlife

- First Grade: Twig Bird House or Poster: Camouflage Observation
- Second Grade: Bird Bath or Poster: Animal Tracks

OUR ENVIRONMENT: (RECYCLING)

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and **ITALICIZED**! Pay special attention to any projects with **BOLD**, **ITALICIZED WORDS** because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Our Environment (Recycling)</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 2 Activities*</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 2 Activities*</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 2 Activities*</i>	<i>No State Fair Entries</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Our Environment: Recycling Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

Note: Choose new activities and a different exhibit each year you are in this project. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Exhibits must be stable and safe in order to displayed at the County Fair

Level 1: Grades 3 thru 5

Complete at least two (2) activities each year in the manual. Read all information sheets in the manual. Prepare exhibit for 4-H Fair. Gain knowledge in: Environmental Awareness, Natural Resources, and Basic Recycling Techniques.

Level 2: Grades 6 thru 8

Complete at least two (2) activities each year in the manual. Read all information sheets and definition pages. Prepare exhibit for 4-H Fair. Gain knowledge in composting and home and school recycling/purchasing awareness.

Level 3: Grades 9 thru 12

Complete at least two (2) activities each year in the manual. Prepare exhibit for 4-H Fair. Gain knowledge in: community environmental awareness, hazardous waste, and regulations.

EXHIBIT:

A person may enter an article in one (1) of the following categories:

- a. Clothing items (woven or knitted)
- b. Furniture items
- c. Bottles or cans
- d. Discarded mechanical parts and equipment
- e. Miscellaneous

Ideas for obtaining recycled articles: magazines, books, stores, friends, neighbors, etc. Examples for each category:

- a. Clothing - hats and purses from blue jeans
- b. Furniture - Coke cases made into end tables, etc.
- c. Bottles or cans - canister set
- d. Discarded mechanical parts and equipment - Model race car from old bolts
- e. Miscellaneous - greeting cards as baskets, etc.

Exhibit will be judged based on originality of 4-H exhibit, choice of materials, workmanship, usefulness, and creativity.

PHOTOGRAPHY

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Photography</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet (Optional Manual Activities)</i>	<i>2 Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet (Optional Manual Activities)</i>	<i>4 Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet (Optional Manual Activities)</i>	<i>4 Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.

- All images are to be original images taken by the 4-H member. Photos must be taken since the time of check-in for photography projects last year (2018).
- Complete a 4-H Photography Record Sheet each year.
- Photos must have been taken since the last project entry date of the county fair.
- 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.
- Place standard identification label in the lower right-hand corner on poster boards and salon prints. Place your identification label on your board **OUTSIDE OF** your plastic sleeve.
- Number photo prints on your print boards 1 to 10.
- Captions under your photographs, times and date of photo are not recommended nor are fluorescent posters.
- 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.
- Sepia tone photographs (mono chromatic) are entered under the Black and White classes.
- Limit of two (2) posters per 4-Her **with no entries in the same category** has been set for all levels. Examples: 1 color 10 print poster and one (1) color salon print poster, or one (1) color salon and one (1) black & white, or one (1) color print poster and one (1) black & white 10 print poster, etc.
- Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

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.
- Label each exhibit with an exhibit label available from your club leader or at the Extension Office from information from FairEntry. It is recommended that this identification label be placed in the lower right-hand corner of your poster board or salon print and **ON TOP OF** the plastic. For State Fair entries, an exhibit entry tag will be provided by the Purdue Extension – Hendricks County office and is to be placed in the exhibit's lower right-hand corner.

EXHIBITS:

Level 1: Grades 3-5

Up to two (2) Champions will be awarded. Being selected as a class winner may not be an automatic State Fair entry.

You can choose any of the three options below to exhibit and choose to perfect your skills in either or all. 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 ½" by 5", any subject, mounted on a background board 22" x 28", displayed horizontally, with stiff backing covered in plastic. The poster must carry the title "Capturing Memories". It is recommended you use and exhibit standard processing size. 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: Ten (10) color pictures none of which is larger than 4" by 6", nor smaller than 3 ½" by 5", any subject, mounted on a background board 22" x 28", displayed horizontally, with stiff backing covered in plastic. The poster must carry the title "Experiences in Color". It is recommended 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 thru 8

Up to five (5) Champions will be awarded. Being selected as a class winner may not be an automatic State Fair entry.

You may choose up to two options from the list below:

1. **BLACK & WHITE PRINTS:** "Photography is Fun"

Exhibit: Ten (10) black & white pictures, none of which is larger than 5" x 7" nor smaller 2" by 3 ½", mounted on a background board 22" x 28", displayed horizontally, with stiff backing covered in 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/or standard development. Your prints may be a mix of digital and/or standard development.

2. **COLOR PRINTS:** "Adventures in Color"

Exhibit: Ten (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 (1) color print no smaller than 7" x 9" nor larger than 11" x 14" printed horizontally or vertically, mounted on a standard 16" x 20" salon mount, displayed **VERTICALLY** and covered with plastic. No title recommended.

4. **BLACK & WHITE SALON PRINT:**

Exhibit: One (1) black & white print no smaller than 7" x 9" nor larger than 11" x 14" printed horizontally or vertically from any size negative/photo, 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 (1) 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 picture.

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 thru 12

Up to six (6) Champions will be awarded. Being selected as a class winner may not be an automatic State Fair entry. You may choose from the list below:

1. **BLACK & WHITE PRINTS:**

Exhibit: Ten (10) black & 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 covered in 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: Ten (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 covered in 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 (1) color print no smaller than 7" x 9" nor larger than 11" x 14" printed horizontally or vertically from any size negative/photo, 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 (1) black & white print no smaller than 7" x 9" nor larger than 11" x 14" printed horizontally or vertically from any size negative/photo, 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 (1) 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. See additional notes regarding digital below. 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.**

Digital Photograph Guidelines:

DIGITAL VS. FILM Anything that can be done in a dark room, on an enlarger, can be done on a computer, i.e. cropping, color correction, parallax, etc. If an image is digitally altered beyond what can be done on the enlarger, i.e. adding different background, removing buildings or people, adding text, hand-coloring, etc. it should be entered in the "Creative/Experimental" Class. We realize this will be difficult to enforce. We ask your cooperation. We also realize the person with the expensive digital camera and high-powered computer has some advantages. By the same token the person with the expensive large format film camera that takes his processing to a custom lab has many advantages over the person with the inexpensive 35mm camera doing their processing at the local retail store.

4-H ROBOTICS

PLEASE NOTE: Any changes/updates from the previous year will be BOLDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

4-H Robotics Purpose:

1. To encourage the development of young adults.
2. To develop Science, Technology, Engineering, and Math (STEM) Skills in youth.
3. To assist in promoting STEM based careers and opportunities.
4. To collaborate, socialize, and experience 4-H on another level

Who is Eligible:

1. 4-H members who are currently in Grades 3-12 and Hendricks County 4-H members
2. Enrolled in the 4-H Robotics project.

Requirements for all 4-H Robotics Members to complete:

1. Complete county and local activities for the project.
2. Complete the 4-H Robotics Record Sheet and turn it into the Extension Office by the Monday of the Hendricks County 4-H Fair.
3. Pay any additional technology fees (if required) associated with the project.

Although not required, it is strongly encouraged for members to attend monthly 4-H Robotics meetings. These meetings are important for youth to develop an understanding of robotics, programming, and other STEM-based skills.

Be sure to enroll in the project on 4-HOnline.

SCRAPBOOK

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Scrapbook</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

Remember: For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. Consult your 4-H Scrapbook manual for specific instructions and options for each level.
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

ALL LEVELS:

- ALL scrapbooks **MUST** be 12 x 12 in size.
- Display a scrapbook as described in the scrapbook requirements.
- Turn in a completed record sheet to your leader for them to sign.

2018: SEE SCRAPBOOK MANUAL FOR UPDATED EXHIBIT AND SCRAPBOOK GUIDELINES.

EXHIBITS:

Level 1 (Grades 3-5)

- Complete six (6) pages per year in your scrapbook.
- Crop straight cut only.
- Bullet journaling on each page. Bullet captions with names, dates, and places, etc. More details may be added depending on space.

Level 2 (Grades 6-8)

- Complete eight (8) pages per year.
- Crop photos in any shape.
- Journaling on each page or on one page of a two-page spread. Must be in complete sentences. Include names, dates, places, etc. More details may be added depending on space.

Level 3 (Grade 9-12)

- Complete ten (10) pages per year.
- Crop pictures in any shape.
- Journaling on each page or on one page of a two-page spread. Must be in complete sentences. Captions do not need to be in paragraph form. Include names, dates, places, etc. More details may be added depending on space.
- One page must contain memorabilia or documentation which goes with the photos (ticket stub, award, program, newspaper clipping, napkins, etc).

SEWING

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

This is a series on how to sew. Participants sew garments of increasing difficulty as they progress. The garments range from simple items to a tailored suit or coat.

NOTE: Items worn or exhibited in the 4-H state fashion revue cannot be exhibited in any other 4-H exhibit section.
State Fair Entries: Non-Wearable – One (1) State Fair Entry from each grade level

Wearable – One (1) State Fair Entry from grades 3-7 and one (1) entry from each category for grades 8-12

<i>Completion, exhibition participation, and State Fair information for Sewing</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level A</i>	<i>Grades 3-4</i>	<i>2 Skills</i>	<i>Non-Wearable- 1 Entry per Grade Level</i>
<i>Level B</i>	<i>Grades 5-6</i>	<i>2 Skills</i>	<i>Wearable- 1 Entry from grades 3-7</i>
<i>Level C</i>	<i>Grades 7-9</i>	<i>2 Skills</i>	
<i>Level D</i>	<i>Grades 9-12</i>	<i>2 Skills</i>	<i>Wearable- 1 Entry from each category</i>

RULES:

1. Refer to the Hendricks County 4-H Policies and Entry & Exhibit Requirements.
2. 4-H member may be judged and exhibit in only one (1) level of the Sewing project. They may exhibit one (1) wearable item, one (1) non-wearable item and may participate in an Interact Action Demonstration.
3. Definition of "Outfit": An outfit is a garment or garments which when put together make a complete look, such as a one (1) or two-piece dress, a one (1) or two-piece pantsuit, or a three-piece combination, such as pants, vest, and blouse.
4. All garments should be clean and neatly pressed.
5. Place exhibit label on wearable items at the right shoulder of all garments except Level A. Labels on garments in Level A should be placed at the hemline center front. Place exhibit labels non-wearable items in the lower right-hand corner of item.
6. Please exhibit garments in a clear plastic bag for their safety and protection while on display.
7. 4-H'ers in grades 8-12 may exhibit two (2) wearables in different categories.
8. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.
9. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBITS:

(Senior wearable exhibits will be based on State Fair categories, not by grades)

Level A: Grade 3

Skills to Learn and Include at least two (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

Exhibit Options:

- **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.
- 4-H Project Interactive Demonstration

Level A: Grade 4

Skills to Learn and Include at least two (2) skills in the exhibit:

Seam finishes are recommended on all exposed seams.

- Use interfacing
- Staystitch and under stitch
- Apply a facing or binding
- Stitch curved seams
- Trim and grade seams
- Work with fiberfill
- Machine topstitch hem

Exhibit Options

- **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.
- 4-H Project Interactive Demonstration

Level B: Grade 5

Skills to Learn and Include in Exhibit:

Seam finishes are recommended on all exposed seams (except knits). Interfacing, under stitching and trimming should be used when appropriate.

Choose at least three (3) of these additional skills for each sewn exhibit.

- Match fabric design
- Sew with knit
- Gather fabric
- Insert elastic
- Insert zipper
- Apply facings
- Use a drawstring
- Sew buttons
- Hand-stitch a hem
- Apply binding
- Sew a simple sleeve
- Use batting
- Apply purchased trip or ribbing
- Sew patch or inseam pockets
- Use a simple lining
- Do a machine blind hem
- Apply machine topstitching
- Do a machine topstitched hem

Exhibit Options:

- **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.** Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
- **Non-wearable:** Pillow lap quilt (quillow) OR structured duffel bag, tote bag or backpack, OR sewn hat **or similar sewn article.** Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
- 4-H Project Interactive Demonstration

Level B: Grade 6

Skills to Learn and Include in Exhibit:

Seam finishes are recommended on all exposed seams (except knits). Interfacing, under stitching and trimming should be used when appropriate.

Choose at least four (4) of these additional skills for each sewn exhibit.

- make darts
- set in sleeves
- insert a lapped zipper
- hand-stitch a hem
- make buttonholes
- sew tucks or pleats

- sew ruffles
- hand sew buttons
- apply trim
- sew a simple lining
- sew patch pockets
- apply bindings
- do a machine topstitched hem
- sew facings
- apply ribbings
- sew a simple collar
- do a machine blind hem
- sew with knit
- match fabric design
- use fiberfill
- apply machine appliqué
- insert piping
- apply machine topstitching
- construct with a serger
- sew inseam pocket

Exhibit Options:

- **Wearable:** Two (2) garments that can be worn together **article made to be worn by the 4-H member or another person**. Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
- **Non-wearable:** Pillow sham with button or zipper closing, appliquéd design, piping or ruffle. Make your own pillow form OR tote bag with zipper or duffel bag with zipper, pockets and lining OR doll or pet clothes **OR similar sewn article** OR construction techniques sample notebook (following instructions provided in manual). Attach Sewing Skills Card (4-H 926C-W) to the exhibit.
- 4-H Project Interactive Demonstration

Level C: Grade 7

Skills to Learn and Include in Exhibit:

Seam finishes are recommended on all exposed seams (except knits). Interfacing, under stitching, and trimming should be used when appropriate.

Choose at least five (5) of these additional skills for each sewn exhibit:

- make darts
- set in sleeves
- sew facing
- apply ribbing
- apply a collar
- sew on buttons
- use doll joints
- apply inseam pockets
- apply front hip pockets
- match fabric design
- apply trims
- apply machine or hand appliqué
- apply machine topstitching
- insert a lapped zipper
- insert an invisible zipper
- insert a separating zipper
- insert a fly front zipper
- do machine quilting
- do a hand-stitched hem
- do a machine topstitched hem
- do a machine blind hem
- attach cuffs
- apply binding
- sew lining
- apply ruffles
- insert piping
- make buttonholes
- use fiberfill
- apply patch pockets
- use a twin needle
- apply tucks/pleats
- construct with a serger
- apply machine embroidery

Exhibit Options:

- **Wearable:** School, **casual** or sports outfit. Can be one (1) or more pieces **made to be worn by the 4-H member or another persons**. 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.
- 4-H Project Interactive Demonstration

Level C: Grades 8 & 9

4-H'ers in grades 8-12 may exhibit two (2) wearables in different categories

Skills to Learn and Include in Exhibit:

Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics). Interfacing, under stitching and trimming should be used when appropriate.

In addition, choose at least six (6) of these skills for each sewn exhibit:

- make darts
- attach cuffs
- do machine or hand quilting

- make tucks
- add lining
- add facings
- add plackets
- add lapels
- make sleeves
- add gathers
- apply trim
- apply ribbing
- add a drawstring
- use shaped seams
- use fiberfill
- add a waistband
- add patch pockets
- add front hip pockets
- match fabric design
- make shoulder pads
- apply machine embroidery
- make pleats
- insert elastic
- add boning
- apply a collar
- insert piping
- make a neckband
- add vents
- sew buttons
- add underlining
- add ruffles
- sew with knit
- make button loops
- do hand beading
- add inseam pockets
- add welt pockets
- use twin needle
- create bound edges
- apply machine or hand appliqué
- apply machine topstitching
- insert an invisible zipper
- insert a separating zipper
- insert a fly front zipper
- insert a lapped zipper
- insert a handpicked zipper
- do a machine topstitched hem
- do a machine blind hem
- do a hand-stitched hem
- make self-covered buttons
- use specialty threads
- make self-enclosed seams
- sew with difficult fabric
- make machine buttonholes
- make bound buttonholes

Exhibit Options:

- **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. (Following instructions provided in manual). Attach Sewing Skills Card (4-H 928C-W) to the exhibit.
- 4-H Project Interactive Demonstration.

Level D: Grades 10-12

4-H'ers in grades 8-12 may exhibit two (2) wearables in different categories.

Skills to Learn and Include in Exhibit - Seam finishes are recommended on all exposed seams (except knits and non-raveling specialty fabrics). Interfacing, under stitching and trimming should be used when appropriate. In addition, choose at least six (6) of these skills for each sewn exhibit:

- make darts
- make tucks
- add lining
- add facings
- add plackets
- add lapels
- make sleeves
- add gathers
- apply trim
- apply ribbing
- add a drawstring
- use shaped seams
- use fiberfill and/or batting
- add a waistband
- add patch pockets
- add front hip pockets
- match fabric design
- make shoulder pads
- apply machine embroidery
- coordination of fabric for quilted item
- attach cuffs
- make pleats
- insert elastic
- add boning
- apply a collar
- insert piping
- make a neckband
- add vents
- sew buttons
- add underlining
- add ruffles
- sew with knit
- make button loops
- do hand beading
- add inseam pockets
- add welt pockets
- use twin needle
- create bound edges
- hand/machine beading
- make a reversible item
- do machine or hand quilting
- apply machine or hand appliqué
- apply machine topstitching
- insert an invisible zipper
- insert a separating zipper
- insert a fly front zipper
- insert a lapped zipper
- insert a handpicked zipper
- do a machine topstitched hem
- do a machine blind hem
- do a hand-stitched hem
- make self-covered buttons
- use specialty threads
- make self-enclosed seams
- sew with difficult fabric
- construct with a serger
- make machine buttonholes
- make bound buttonholes
- piece quilted item
- Other skills not listed above

Exhibit Options:

- **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. (Following instructions provided in manual). Attach Sewing Skills Card (4-H 928C-W) to the exhibit.
- 4-H Project Interactive Demonstration

Level Advanced Sewing Wearable Exhibits: Levels C & D

Exhibit Options:

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 (1) or two-piece dress, or one (1) 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 one (1) or two (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 (1) 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 (2) 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 (3) 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 (1) or more pieces suitable for any formal occasion, such as proms, weddings, and formal evening functions.

SHOOTING SPORTS

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The 4-H shooting sports project teaches safe operation of firearms and archery equipment. Volunteer instructors must be certified at a workshop. Six disciplines are offered at the state level: archery, outdoor skills, muzzle loading, pistol, rifle, and shotgun. The disciplines offered in Hendricks County depends on the availability of certified 4-H shooting sports instructors to teach the classes, ranges, and equipment.

<i>Completion, exhibition participation, and State Fair information for Shooting Sports</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet and Attend Safety Meeting for Discipline</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet and Attend Safety Meeting for Discipline</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet and Attend Safety Meeting for Discipline</i>	<i>1 Entry</i>
<i>Independent Study</i>	<i>Grades 9-12</i>	<i>Record Sheet and Attend Safety Meeting for Discipline</i>	<i>1 Entry</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. 4-H'ers who enroll in this project may enroll in the Hendricks County 4-H Shooting Sports Club. (You may enroll in another 4-H Club for other 4-H projects or the 4-H Shooting Sports Club leaders will sign records for your other 4-H Projects, but cannot be relied upon for information and assistance with these projects.)
3. 4-H members are required to attend one safety meeting annually before participating in discipline meetings.
4. In addition to discipline sessions, the club will tentatively meet monthly from March thru December and include shooting sports topics of interest to the 4-H'ers. 4-H'ers in this club will be notified of club meetings at a later date.
5. To participate in this project, each 4-H'er is expected to pay a materials fee for each discipline to help cover the cost of award patches, other awards, basic equipment, etc. The Instructor will collect the fee at the first discipline session the 4-H'er attends. Fees must be paid or financial arrangements must be made before participating.
6. 4-H'ers members are recommended to attend all of their discipline meetings/shooting matches/club meetings offered. It is recommended that youth interested in participating in the County Fair Tournament attend two-thirds (2/3) of firearms meetings and/or half of archery meetings.
7. For safety reasons, all 4-Hers participating in firearms and/or archery live fires must wear appropriate attire. (Shoes must be fully enclosed at the toe and heel, no dangling earrings and drawstrings on sweatshirt or jacket, hoods must be tucked in, etc.).
7. Additional details and project guidelines are available in the 4-H Shooting Sports Project materials at the Extension Office.
8. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

Create an exhibit that shows the public what you learned in shooting sports education 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. **Title your**

exhibit with one of the following: archery, outdoor skills, muzzle loading, 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 an 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.

Level 1: Grades 3-5

One (1) State Fair entry

Exhibit

- Display a poster showing what was learned in the 4-H Shooting Sports project.

Level 2: Grades 6-8

One (1) State Fair entry

Exhibits MUST meet the size restrictions or be presented in a notebook. Choose one (1) of the following options:

- Poster
- Small project or model no larger than 18 x 18 x 36 inches. Handmade items must include information explaining how the project was made and its intended use. Photos are required.
- Notebook, showing how a shooting sports item was made, or project completed.

Level 3: Grades 9-12

One (1) State Fair entry

Choose one (1) of the following options:

- Poster
- Project or model (any size). Handmade items must include information explaining how the project was made and its intended use. Photos are required.
- Notebook, showing how a shooting sports item was made, or project completed.

Level: Independent Study: Grades 9 – 12

One (1) State Fair entry

- **Advanced topic** - Learn all you can about an advanced shooting sports topic and present it on a poster. 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.**"

SMALL ENGINES

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Small Engines</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 7 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 7 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 7 Activities*</i>	<i>1 Entry</i>

**"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Small Engines Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

NOTE: Engines must be drained and free of gasoline and motor oil before being placed on exhibition.

Actual Engine Display: The actual small engine may be displayed. It must be mounted on a stable base no larger than 30" x 30". For safety reasons, all fluids (fuel and oil) must be removed. Note: It is strongly suggested a notebook with details and pictures of what was done to the engine accompany the display.

Display Board Requirements:

- No more than 36" x 36" deep 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

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Level 1: Grades 3-5

-Educational display (poster or display board): 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.).

-4-H Project Interactive Demonstration on any aspect of small engines covered in this manual.

Level 2: Grades 6-8

-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 an engine.
- An educational display showing how transmissions work.
- An educational display showing how to conduct a compression check.
- An educational display showing how to adjust a carburetor according to owner's manual instructions and in accordance with EPA regulations.
- A display using a real small engine with a brief explanation showing steps in preparing a small engine for storage.
- 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.

-4-H Project Interactive Demonstration on any aspect of small engines covered in this manual.

Level 3: Grades 9-12

-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 engines designs.
- Any educational display related to what you have learned in this project.

-4-H Project Interactive Demonstration on any aspect of small engines covered in this manual

SOIL & WATER SCIENCE

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

The soil and water science project teaches youth about soil, water, and environmental stewardship. Learn about soil and water quality, how they interact, and how we can protect and preserve them.

Completion, exhibition participation, and State Fair information for Soil and Water Science

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level 1	Grades 3-5	Complete 5 Activities*	1 Entry
Level 2	Grades 6-8	Complete 5 Activities*	1 Entry
Level 3	Grades 9-12	Complete 5 Activities*	1 Entry
Independent Study	Grades 9-12	Complete 5 Activities*	1 Entry

***Activities* are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Soil and Water Science Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Create an exhibit that shows the public what you learned in the soil and water science 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 (1) 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 3 manual
- A poster and/or notebook of a soil or water related science experiment appropriate for grades 9-12

Level: Independent Study: Grade 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."

SPORTFISHING

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

Fishing can be a hobby and a source of study for your entire lifetime. The 4-H Sportfishing project will introduce you to fish, fishing, and aquatic habitats.

Completion, exhibition participation, and State Fair information for Sportfishing

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>
<i>Independent Study</i>	<i>Grades 9-12</i>	<i>Complete 6 Activities*</i>	<i>1 Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Sportfishing Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

Be sure to enroll in the project on 4-H Online and enter exhibit information into FairEntry by designated date.

Create an exhibit that shows the public what you learned in the **Sportfishing** project this year. 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. **It is recommended that your poster be titled as listed below.**

Level 1: Grade 3 to 5

One (1) State Fair entry

Exhibit a poster based on one (1) 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 (2) 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: Grade 6 to 8

One (1) State Fair entry

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 woolly bugger is made. Answer the Casting Out and Working the Lure questions.
- **A Fish by Design** - Draw, take pictures, or find pictures on the Internet or in magazines to show (and identify) different mouth/feeding fish, body shapes, and fish with different coloration. Briefly explain (3-5 sentences or bullet points) why fish have different mouths, body shapes, and coloration.

Level 3: Grade 9 to 12

One (1) State Fair entry

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 seven (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.

Level: Independent Study: Grades 9-12

One (1) State Fair entry

Exhibit

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

SPORTS

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Sports</i>			
<i>Division/Level</i>	<i>Grades</i>	<i>Completion Activities Needed*</i>	<i>Maximum State Fair Entries</i>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Level 1: Grades 3 thru 5

Exhibit a poster or display that is related directly to the project.

Level 2: Grades 6 thru 8

Exhibit a poster or display that is related directly to the project.

Level 3: Grades 9 thru 12

Exhibit a poster or display that is related directly to the project.

WHAT YOU DO EACH YEAR:

1. Choose at least one (1) sport you enjoy or you would like to learn about.
2. Learn what the basic skills are for your particular sport.
3. Determine what your skill level is for each of the basic skills: Basic Beginner, Beginner, Intermediate, Advanced, and Skilled.
4. Determine what skills you want to learn or want to improve and list them on your record sheet before you begin.
5. Begin to learn the skills you have decided you want to learn. You may want to ask your parents, friends, neighbors, or coach to help you.
6. Complete your record sheet and include it with your exhibit.
7. Participate in your chosen sport in one (1) of the following ways:
 - A. Participate actively with any organized team in the county.
 - B. Participate in your sport with your family, friends, or 4-H club.
 - C. If your sport is an individual sport, participate on your own.
8. Give a demonstration - "Show and Tell" - on a topic related to your chosen sport to your friends, school class, 4-H club or another group of people.

WHAT TO EXHIBIT - Each year you are in the 4-H Sports Project, you should exhibit your completed record sheet and either a display or poster on any single topic related directly to your sport. Examples; Safety rules, equipment needed (include approximate cost), basic skills, strategies, exercise value, etc. Your information on either your poster or display should be accurate and thorough showing that you have knowledge of your sport. If you chose more than one (1) sport, select one (1) of them to feature for your exhibit.

Each year after your first year in the project, choose a new sport to learn about or expand and learn more about one (1) of the sports you chose previously. The exhibit is the same as described above. If you are learning more about a sport you have chosen previously, your exhibit should show greater understanding and more in-depth information about your sport than before.

DISPLAY INFORMATION - Your display should not exceed the size of 24" x 36".

JUDGING OF EXHIBITS - will be based on: accuracy of information, suitability of materials used, showmanship (neatness, cleanliness, labeling, etc.), and record sheet content (and story).

TRACTOR MAINTENANCE: Agricultural and Lawn and Garden

Completion, exhibition participation, and State Fair information for Tractor Maintenance and Driving Contest

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
Level A	Grades 3-4	Complete 1/3 of activities*	1 Entry and designated amount for driving contest per area guidelines
Level B	Grades 5-6	Complete 1/3 of activities*	1 Entry and designated amount for driving contest per area guidelines
Level C	Grades 7-9	Complete 1/3 of activities*	1 Entry and designated amount for driving contest per area guidelines
Level D	Grades 10-12	Complete 1/3 of activities*	1 Entry and designated amount for driving contest per area guidelines

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Tractor Maintenance Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Level A: Grades 3 or 4

Choose one (1) of the following to exhibit at the fair. The subject matter content for the exhibit must correspond to the subject matter content found in the Level A manual.

- Poster
- Notebook Report
- Display Board: Display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three dimensional items are attached to the board. **Displays should be no larger than 2' x 3'.**

Level B: Grades 5 or 6

Choose one (1) of the following to exhibit at the fair. The subject matter content for the exhibit must correspond to the subject matter content found in the Level A or B manuals.

- Poster
- Notebook Report
- Display Board: Display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three (3) dimensional items are attached to the board displays should be no larger than 2' x 3'.

Level C: Grades 7 thru 9

Choose one (1) of the following to exhibit at the fair. The subject matter content for the exhibit must correspond to the subject matter content found in the Level A, B or C manuals.

- Poster
- Notebook Report
- Display Board: Display boards differ from a poster in that real objects are normally used rather than drawings or pictures. Three (3) dimensional items are attached to the board displays should be no larger than 2' x 3'.

Level D: Grades 10 thru 12

Choose one (1) of the following to exhibit at the fair. The subject matter content for the exhibit must correspond to the subject matter content found in the Level A, B, C or D manuals.

- Poster
- Notebook Report
- Display Board: Display boards differ from a poster in that real objects are normally used rather than

drawings or pictures. Three (3) dimensional items are attached to the board displays should be no larger than 2' x 3'.

4-H Project Interactive Demonstrations may also be completed in all Levels for completion of project.

AG AND LAWN AND GARDEN TRACTOR DRIVING CONTEST

GENERAL GUIDELINES:

Lawn and Garden Tractor driving will be held during the Hendricks County Fair. Contest Rules can be found at the following website: <http://www.four-h.purdue.edu/tractor/>

Contests will be divided by grade:

Juniors – grades 3 to 7

Seniors – grades 8 to 12

1. All participants will be scored on written quiz, parts identification, tractor operation on the course, safety while at the contest and time.
2. Junior contestants will pull a 2-wheel trailer approximately eight (8) feet wide and 10-12 feet long. Tongue length will be approximately four (4) feet, as measured from the tongue's tip to the edge of the trailer's bed. Wheel location will be near the center of the bed.
3. Senior contestants will pull a 4-wheel wagon with knuckle-type radius rods (auto type) steering, approximately ten (10) feet long between axles, an 8-foot x 14-foot bed and a 52-inch stub tongue.
4. Any stake knocked over by the contestants (with any part of the tractor or wagon) will be replaced and the contestant must attempt the obstacle until satisfactorily completed or until time expires.
5. The written quiz will consist of 25 multiple choice questions, with 20 points added for each question answered incorrectly or omitted.
6. The parts identification quiz will consist of 25 parts. 20 points will be added to the contestant's score for each part incorrectly identified. Note: Pictures will be used for this component.
7. Junior division questions will be taken from supplement #1, "questions and answers for junior division written test", dated 2003. Senior division questions will be taken from supplement #2, "questions and answers for senior division", dated 2003, PLUS, supplement #1 mentioned above.
8. The driving event will be timed and will be scored on the basis of one (1) penalty point for each second. However, other penalty points for safety violations, hit markers, etc., will be so severe that the importance of speed will be minimized.
9. Terms and conditions will be as outlined in 4-H 84 "conducting 4-H petroleum power operators contest"

LEISURE EDUCATION: TRAPPING AND FURBEARER

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The goal of the 4-H Trapping and Furbearer project is to teach youth about trapping and furbearer techniques.

Completion, exhibition participation, and State Fair information Trapping and Furbearer

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

Create an exhibit that shows the public what you learned in the trapping and furbearer project 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 to reflect your project.

Important Notes:

- Handmade items must include information explaining how the project was made and its intended use. When a student processes an animal, step by step description and/or photos used to achieve finished project should be presented.
- Photos are encouraged.
- Weapons of any type will NOT be allowed to be displayed during fair. No traps will be exhibited. May bring in disabled trap for judging (must be disabled from being able to be set) and will take trap home after. Picture/binder/notebook will be allowed to be displayed.
- Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Level 1: Grades 3-5

- Display a poster showing what was learned in the 4-H trapping and furbearer project.

Level 2: Grades 6-8

Exhibits **MUST** meet the size restrictions or be presented in a notebook. Choose one (1) of the following options:

- Poster
- Small project or model no larger than 18x18x36 inches. Handmade items must include information explaining how the project was made and it's intended use. Photos are required.
- Notebook, showing how a trapping/furbearer item was made, or project completed.

Level 3: Grades 9-12

Choose one (1) of the following options:

- Poster
- Small project or model no larger than 18x18x36 inches. Handmade items must include information explaining how the project was made and it's intended use. Photos are required.
- Notebook, showing how a trapping/furbearer item was made, or project completed.

Level: Independent Study: Grades 9 – 12 Exhibit

- **Advanced topic** - Learn all you can about an advanced topic and present it on a poster. Include a short manuscript, pictures, graphs, and list of the works cited to describe what you did and what you learned. Title your poster, "Leisure Education – 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, "Leisure Education - Mentor."

TOY SCENE

The Toy Scene project is for those interested in displaying miniature scenes such as farm toy scenes, urban landscape scenes, military scenes, etc.

<i>Completion, exhibition participation, and State Fair information for Toy Scene</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Beginner</i>	<i>Grades 3-5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Intermediate</i>	<i>Grades 6-8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Advanced</i>	<i>Grades 9-12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

Beginner (Grades 3 -5):

- Exhibit a toy scene display not to exceed 20 inches x 20 inches in size. – Outside dimensions. This includes any and all protection (Plexiglas, etc.) that is used.
- Display must be built on rigid wood (i.e. plywood) and items should be firmly secured to display. If possible, display needs to be covered (i.e. Plexiglas, plastic covering, etc.)
- Include NOT MORE THAN 20 ITEMS (pieces). Roads, lanes, trees, light poles, fencerows, and a backdrop may be used to set off fields/areas – but ARE NOT included in your maximum items count.
- Can use 1 pre-built/manufactured structure such as a barn, house, or skyscraper. (ONLY IN BEGINNERS)
- Any combination of items may be used but:
 - Up to 1 structure (barn, building, house, skyscraper, shed, silo, etc.) This CAN BE pre-built/manufactured structure.
 - Up to 8 animals
 - Up to 8-wheel toys (tractors, trucks, equipment, etc.)
 - Up to 8 extras (feeders, people, bales, etc.)
- The same toys or layout may be used in more than one year but exhibits need to be changed, altered, or modified so as not to repeat the same exact exhibit.

Intermediate (Grades 6 – 8):

- Exhibit a toy scene display not to exceed 24 inches x 36 inches – Outside dimensions. This includes any and all protection (Plexiglas, etc.) that is used.
- Display must be built on rigid wood (i.e. plywood) and items should be firmly secured to display. If possible, display needs to be covered (i.e. Plexiglas, plastic covering, etc.)
- Include NOT MORE THAN 40 ITEMS (pieces). Roads, lanes, trees, light poles, fencerows, and a backdrop may be used to set off field or fields – but ARE NOT included in your maximum items count.
- NO pre-manufactured scenes or buildings (example: fully assembled buildings or barns).
- Any combination of items may be used but:
 - Not more than 3 structures (barn, building, house, skyscraper, shed, silo, etc.)
 - Not more than 15 animals
 - Not more than 15-wheel toys (tractors, trucks, equipment, etc.) A tractor with an implement is considered 2-wheel toys.
 - Not more than 15 extras (feeders, people, bales, etc.)
- The same toys or layout maybe used in more than one year but exhibits need to be changed, altered, or modified so as not to repeat the same exact exhibit.

Advanced (Grades 9-12):

- Exhibit a scene display not to exceed 30 inches x 36 inches – Outside dimensions. This includes any and all protection (Plexiglas, etc.) that is used.
- Display must be built on rigid wood and items should be firmly secured to display. If possible, display needs to be covered (i.e. Plexiglas, plastic covering, etc.)
- NO pre-manufactured scenes or buildings (example: fully assembled buildings or barns).
- The same toys or layout maybe used in more than one year but exhibits need to be changed, altered, or modified so as not to repeat the same exact exhibit.

VETERINARY SCIENCE

PLEASE NOTE: Any changes/updates from the previous year will be BOLDDED and ITALICIZED! Pay special attention to any projects with BOLD, ITALICIZED WORDS because they have changed from last year.

The 4-H Veterinary Science Project provides youth a fun and hands-on learning experience that helps them learn more about the Veterinary Science profession, and opportunities for careers in animal health. Subjects such as general health care, physiology, anatomy and careers are presented through curricular materials, workshops, and hands on experiences with local veterinarians.

Completion, exhibition participation, and State Fair information for Veterinary Science

Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>

**"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Veterinary Science Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBIT:

1. 4-H Veterinary Science exhibits should be educational in nature covering one (1) 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. All 4-H members developing veterinary science 4-H fair exhibits should consult with their 4-H veterinary science leaders for further details, helpful ideas, and additional sources for reference.

All levels are eligible to participate in an Interactive Demonstration as an Exhibit option.

Level 1: Grades 3 thru 5

Exhibit: Do one (1) of the following:

- Exhibit a 22" x 28" poster as it relates to information you have learned in Chapters 1, 2 or 3 of the Veterinary Science 1 Manual.

Level 2: Grades 6 thru 8

Exhibit: Do one (1) of the following:

- Exhibit a 22" x 28" poster, display, or quiz board as it relates to information you have learned in Chapters 1, 2 or 3 of the Veterinary Science 2 Manual. Display or quiz board should be no larger than 36" x 36" x 36".

Level 3: Grades 9 thru 12

Exhibit: Do one (1) of the following:

- Develop and assemble a teaching aid.
- 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.

WEATHER AND CLIMATE SCIENCE

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

Youth will learn basic information about weather and the climate, including what causes variations in weather and why we have different seasons and climates on the earth. In this project you will observe and record weather conditions and learn weather symbols.

<i>Completion, exhibition participation, and State Fair information for Weather and Climate Science</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>

**"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Weather and Climate Science Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

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 (1) 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

Exhibit

- 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: Grades 6 - 8

Exhibit

- 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: Grades 9 - 12

Exhibit

- 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."

WILDFLOWERS

PLEASE NOTE: Any changes/updates from the previous year will be **BOLDED and *ITALICIZED*! Pay special attention to any projects with **BOLD**, *ITALICIZED WORDS* because they have changed from last year.**

<i>Completion, exhibition participation, and State Fair information for Wildflowers</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 3</i>	<i>Grade 3</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 4</i>	<i>Grade 4</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 5</i>	<i>Grade 5</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 6</i>	<i>Grade 6</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 7</i>	<i>Grade 7</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 8</i>	<i>Grade 8</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 9</i>	<i>Grade 9</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 10</i>	<i>Grade 10</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 11</i>	<i>Grade 11</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>
<i>Level 12</i>	<i>Grade 12</i>	<i>Record Sheet</i>	<i>No State Fair Entries</i>

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

EXHIBITS:

Levels: Grades 3 – 12

Project Guidelines and Exhibit Requirements:

Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

Grade 3:

- Identify three (3) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define three (3) vocabulary words.
- Grow one (1) variety Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a Journal and include one Pourquoi story.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 4

- Identify four (4) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define four (4) vocabulary words.
- Grow one (1) variety Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a Journal and include one Pourquoi story.

- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 5

- Identify five (5) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define five (5) vocabulary words.
- Grow one (1) variety Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a Journal and include one Pourquoi story.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 6

- Identify six (6) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define six (6) vocabulary words.
- Grow two (2) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a journal.
- Perform a community service project. Complete community record sheet.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 7

- Identify seven (7) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define seven (7) vocabulary words.
- Grow two (2) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a Journal.
- Perform a community service project. Complete community record sheet.
- Complete 4-H Wildflower Project Record Sheet. Page 39, question #2 the correct website needs to read www.indianawildlife.org.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 8

- Identify eight (8) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define eight (8) vocabulary words.
- Grow two (2) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.
- Keep a Journal.
- Perform a community service project. Complete community record sheet.
- List common and scientific names of three (3) native plants that the Federal government has deemed threatened or endangered in the Great Lakes area. Complete Threatened or Endangered Plant form.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.
- Threatened and Endangered Plant Species Exhibit Sheet page 23, for the first website google, "Preserving biodiversity is needed for". For the second website Google, "Endangered, Threatened & Rare Vascular Plants of Indiana PDF".

Grade 9

- Identify nine (9) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define nine (9) vocabulary words.
- Grow three (3) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.

- Collect, photograph or draw three (3) Indiana native vines, complete identification sheet.
- Keep a Journal.
- Perform a community service project. Complete community record sheet.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 10

- Identify ten (10) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define ten (10) vocabulary words.
- Grow three (3) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.
- Collect, photograph or draw three (3) Indiana invasive plants, complete identification sheet.
- Compare and contrast two species of Indiana native wildflowers.
- Keep a Journal.
- Perform a community service project. Complete community record sheet.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 11

- Identify eleven (11) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define eleven (11) vocabulary words.
- Grow three (3) varieties Indiana native wildflower from seed.
- Complete propagation record sheet.
- Identify three (3) plants that have naturalized in Indiana, complete identification sheet.
- Maintain three (3) varieties of Indiana native wildflower plants for next year.
- Keep a Journal.
- Perform a community service project. Complete community record sheet.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

Grade 12

- Identify twelve (12) Indiana wildflowers, fill out identification sheet, label each wildflower as native, or introduced, and mention if it is invasive.
- Define twelve (12) vocabulary words.
- Maintain grade 11's three (3) varieties of Indiana native wildflowers grown from seed (if new this year, grow three from seed).
- Complete propagation record sheet for over-wintered plants (if new this year, complete the record for the newly planted wildflowers).
- Design a landscape.
- Perform a community service project. Complete community record sheet.
- Keep a Journal.
- Complete 4-H Wildflower Project Record Sheet.
- Display exhibit in a 3-ring notebook. See manual for specific requirements.

WILDLIFE

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED* and *ITALICIZED*! Pay special attention to any projects with *BOLD, ITALICIZED WORDS* because they have changed from last year.

<i>Completion, exhibition participation, and State Fair information for Wildlife</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>

**"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Wildlife Project Manuals. Fair Exhibit requirements are listed below.*

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

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 (1) of the options listed below, appropriate for your grade in school. Use an appropriate exhibit title. Be sure to include your FairEntry exhibit tag on the bottom right corner of your project.

Requirements:

Level 1 Exhibit Options:

- 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 Exhibit Options:

- 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 Exhibit Options:

- 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".

WOODWORKING

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

The 4-H woodworking program provides youth with educational information about wood and how it can be used to construct items. This project develops project skills (i.e., safe practices, using hand tools, using power tools, making specialized wood cuts) and life skills (i.e., decision-making, using science and technology, developing communication skills).

<i>Completion, exhibition participation, and State Fair information for Woodworking</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-4</i>	<i>Complete 7 Activities* and 5 Techniques from Skill Sheet</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 5-6</i>	<i>Complete 7 Activities* and 4 Leadership Activities</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 7-9</i>	<i>Complete 7 Activities* and 4 Leadership Activities</i>	<i>1 Entry</i>
<i>Level 4</i>	<i>Grades 10-12</i>	<i>Complete 7 Activities* and 4 Leadership Activities</i>	<i>1 Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Woodworking Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. Woodworking projects exhibited are derived from project manuals and using skills from the current or previous manuals.
3. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

Level 1: Grades 3 or 4

Complete the activities as indicated in the manual and exhibit one (1) of the following:

- Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills chart, 4-H 6875C-W. Exhibits may also include 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.
- Exhibit a poster on any topic covered in the Level 1 manual.

Level 2: Grades 5 or 6

Complete the activities as indicated in the manual and exhibit one (1) of the following:

- Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills chart, 4-H 6875C-W. Exhibits may also include higher and/or 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. A woodworking skills sheet is to be submitted with the exhibit for judging.
- Exhibit a poster on any topic covered in the Level 2 manual.

Level 3: Grades 7 thru 9

Complete the activities as indicated in the manual and exhibit one (1) of the following:

- Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills chart, 4-H 6875C-W. Exhibits may also include higher and/or 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. A woodworking skills sheet is to be submitted with the exhibit for judging.
- Exhibit a poster on any topic covered in the Level 3 manual.

Level 4: Grades 10 thru 12

Complete the activities as indicated in the manual and exhibit one (1) of the following:

- Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the Indiana 4-H Woodworking Tools, Techniques and Skills chart, 4-H 6875C-W. Exhibits may also include lower level techniques that have been mastered. Any lower level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging.
- Exhibit a poster on any topic covered in the Level 4 manual.