

# Washington County 2024 4-H Handbook



Purdue Extension – Washington County  
806 Martinsburg Rd., Suite 104  
Salem, IN 47167  
812-883-4601

[www.extension.purdue.edu/washington](http://www.extension.purdue.edu/washington)

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

## TABLE OF CONTENTS

4-H Information.....	4
2023-2024 Indiana 4-H Program Policies & Procedures.....	5
Indiana 4-H Behavioral Criteria for All Youth Participants.....	8
4-H Online vs FairEntry.....	10
Livestock Project Guidelines.....	11
Beef.....	19
Dairy.....	22
Dairy Beef.....	24
Goats – Dairy Goats.....	26
Goats – Meat Goats.....	30
Goats – Pygmy Goats.....	33
Horse & Pony.....	36
Poultry.....	38
Rabbits.....	42
Sheep.....	45
Swine.....	48
Static Project Guidelines.....	50
Aerospace.....	53
Animal Education.....	55
Anything Goes.....	57
Arts & Crafts.....	58
Beekeeping.....	61
Cake Decorating.....	63
Child Development.....	71
Collections.....	73
Communications.....	77
Computer Science.....	81
Construction and Architectural Replica.....	87
Consumer Clothing.....	88
Crops.....	90
Cupcake Decorating.....	91
Dog.....	93
Electric.....	96
Entomology.....	105
Farm Toy Scene.....	109
Fashion Revue.....	110
Fine Arts.....	112
Floriculture.....	113
Foods, Baked.....	116
Foods, Preserved.....	120
Forestry.....	127
Garden.....	129
Genealogy.....	133
Geology.....	139

Gift Wrapping.....	141
Health.....	142
Home Environment.....	144
Junior Leaders.....	146
Lawn & Garden Tractor Safety & Operation Skills.....	147
Microwave Cooking.....	149
Model Craft.....	153
Needle Craft.....	154
Photography.....	155
Recycling.....	157
Sewing – Non-Wearable.....	161
Sewing – Wearable.....	163
Indiana 4-H Sewing Skills & Techniques.....	166
Shooting Sports.....	169
Small Engine.....	171
Soil & Water Science.....	172
Sportfishing.....	173
Sports.....	174
Strawberries.....	175
Tractor Safety & Operator Skills.....	176
Veterinary Science.....	178
Weather & Climate Science.....	179
Wildlife.....	180
Woodworking.....	181
Zero-Turn Mower Safety & Operator Skills.....	187



#### **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 Motto:**

“To Make the Best Better”

The 4-H Motto is intended to inspire young people to continue to learn and grow, to make their best efforts better through participating in educational experiences.

#### **4-H Colors:**

The 4-H colors are green and white. Green, nature’s most prominent color, symbolizes growth. The white symbolizes purity and high ideals.

#### **4-H Emblem:**

The official 4-H Emblem is a clover with four leaves and an “H” on each leaf.

#### **4-H Pledge:**

I Pledge my Head to clearer thinking,  
my Heart to greater loyalty,  
my Hands to larger service,  
and my Health to better living,  
for my club, my community, my country, and my world.



## 2023-2024 Indiana 4-H Program Policies & Procedures

The Indiana 4-H Youth Development Program involves many youth, families, and adults who work together to provide a fun, positive, and safe experience for all participants. The Indiana 4-H Program Policies & Procedures provide us with a structure to follow at the state and county levels, ensuring we are adhering to state and federal guidelines. The Policies & Procedures contained on this page allow you to see the guidance Indiana 4-H has in place, providing additional transparency and consistency among all county 4-H programs.

To view detailed information about Indiana 4-H Policies & Procedures visit:  
<https://extension.purdue.edu/4-H/about/policies-and-procedures/index.html>

<b>Section 1</b>	<b>About 4-H</b>
1.1	The Indiana 4-H Program Philosophy and Expectations
1.2	4-H Mission and Vision Statements
1.3	Positive Youth Development
1.4	4-H Pledge
1.5	4-H Motto
1.6	4-H Colors
1.7	4-H Name and Emblem
1.8	Purdue Extension EEO Statement
<b>Section 2</b>	<b>Types of 4-H Participation</b>
2.1	4-H Eligibility
2.2	Mini 4-H
2.3	Youth Needing Special Accommodations
2.5	Marriage Status and Parental Status
2.6	Residence
<b>Section 3</b>	<b>4-H Participation Procedures</b>
3.1	4-H Participation Procedures
3.2	4-H Program Fee
<b>Section 4</b>	<b>4-H Project and Competitive Events Guidelines</b>
4.1	Competition and Youth Development
4.2	Project Exhibitions
4.3	Project Experience
4.4	Definition of Competitive Event
4.5	Criteria for Competitive Event
4.6	Exhibition Guidelines
4.7	Exhibition Requirements
4.8	Guidelines for Animal Exhibits
4.9	Food Safety Rules for Foods Entered in County & Statewide Competitions
4.10	4-H Opportunity for All
4.11	Royalty Contests
4.12	Grievance Appeal Guidelines for County 4-H Program Issues
<b>Section 5</b>	<b>County 4-H Program Governance</b>
<b>Section 6</b>	<b>State Fair Terms and Conditions</b>
6.1	Relationship between the Indiana 4-H Youth Development Program and the Indiana State Fair
6.2	Exhibit; Animal Ownership/Possession and Exhibition; Determination of Violations, Terms and Conditions; and Grievance Procedure
<b>Section 7</b>	<b>4-H Club Standards</b>

7.1	What is a 4-H Club?
7.2	Structure of a 4-H Club
7.3	Starting a 4-H Club
7.4	Program Management and Implementation for a 4-H Club
7.5	Chartering 4-H Clubs
7.6	4-H Club Documentation
7.7	Guidelines for 4-H Club Finances
<b>Section 8</b>	<b>4-H Affiliate Standards</b>
8.1	Definition of 4-H Affiliates – 4-H Councils, 4-H Fair Boards
8.2	Authorization of use of 4-H Name and Emblem
8.3	Memorandum of Understanding (MOU)
8.4	Responsibility to Purdue Extension
8.5	Volunteer status
8.6	Process to join Purdue Group Exemption Number
8.7	State sales tax exempt status
8.8	Insurance coverage
8.9	Guidelines for 4-H Affiliate Finances
8.10	Organizational Structure of 4-H Affiliates
<b>Section 9</b>	<b>Risk Management</b>
9.1	4-H Youth Development Liability Release Policy
9.2	Safety Policy for Mini 4-H Members Showing Animals
9.3	Accident/Incident Reporting
9.4	Certificate of Insurance
9.5	Accident/Medical Insurance
9.6	Health Forms
9.7	Policy regarding overnight stay at Fairgrounds
9.8	4-H Shooting Sports
9.9	4-H Sportfishing Policy Statement
9.10	Equipment Use Agreement
9.11	4-H ATV Certification
9.12	Movie License Procedure
9.13	Horse & Pony
13.14	Indiana 4-H Aggressive Dog Policy
13.15	Transportation Policies
13.16	Indiana 4-H Youth Development Camp Chaperone and Counselor Guidelines
13.17	4-H Policy on Alcohol
13.18	Operating Procedures for Programs Involving Minors
<b>Section 10</b>	<b>Financial Management</b>
10.1	Basic Principles of 4-H Financial Policies and Practices
10.2	Fund Raising in 4-H
10.3	Authority to Use 4-H Name and Emblem
10.4	Ownership and Oversight of 4-H Funds
10.5	Distribution of Funds After Dissolution of 4-H Entity
10.6	Handling of Funds
10.7	Use of Debit/Credit Cards and Online Portals
10.8	Receipts for Donations
10.9	Budgeting
10.10	4-H Program Payment Policy
10.11	Location of Funds
10.12	Obtaining an EIN

10.13	Tax Exempt Status of 4-H Units/Clubs
10.14	IRS Filing and Reporting Requirements
10.15	Responsibility of 4-H Entities to Collect Sales Tax
10.16	Instructions for 4-H Clubs and Affiliates that wish to join the Purdue Group Federal Tax Exemption Number
10.17	Indiana Tax Codes Supporting 4-H Funding
<b>Section 11</b>	<b>Volunteer Management</b>
11.1	Introduction
11.2	Steps to Complete During the Initial 4-H Youth Development Volunteer Application and Screening Process
11.3	Steps to Complete During the Annual 4-H Youth Development Volunteer Re-Enrollment Process
11.4	Additional Volunteer Information
11.5	4-H Youth Behavioral Expectations
11.6	Confidentiality

**Washington County 4-H is committed to creating a diverse, equitable, and accessible environment for all members, past, present, and future.**

## **Indiana 4-H Behavioral Criteria for all Youth Participants**

Indiana 4-H has a set of behavioral criteria that we expect our participants to follow as outlined below. Youth and their parents/guardians review and agree to these expectations at the time of 4-H enrollment in 4-H Online.

When attending, participating in, 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 to persons and the 4-H program.

As a participant in the Indiana 4-H Youth Development Program, I will:

- Respect, follow, and enforce the rules, policies, and guidelines established by the Purdue University Cooperative Extension Service, including all laws related to child abuse and substance abuse.
- Conduct myself in a courteous, respectful manner, exhibit good sportsmanship, and demonstrate reasonable conflict management skills. I will avoid any action that would obstruct or disrupt any 4-H activity, or that threatens or interferes with maintenance of appropriate order and discipline, and will also discourage others from any of those actions.
- Be truthful and forthright when representing the 4-H Youth Development Program. At no time, will I cheat or knowingly furnish false information.
- Present accurate, unaltered 4-H records.
- Follow the specific terms and conditions of a given project, contest, or activity. I will also encourage others to follow these terms and conditions.
- Under no circumstances possess, distribute, consume, or be under the influence of alcohol, tobacco or tobacco-like products, electronic smoking devices (including, but not limited to, e-cigs, vapes, Juuls), illegal drugs, or other dangerous substances at 4-H Youth Development Program events or activities.
- Under no circumstances distribute, misuse, or abuse over-the-counter, homeopathic (including supplements and vitamins), or prescription medications.
- Under no circumstances possess or use weapons, fire crackers, chemicals, or other materials that can be used to create an explosive mixture. Note: firearms and archery equipment utilized under the direct supervision of an approved and certified 4-H Shooting Sports Instructor at an approved 4-H Shooting Sports activity are acceptable.
- Recognize that verbal, physical, or emotional abuse, or any conduct which threatens or endangers the health or safety of any person will not be tolerated. Avoid any reckless or inappropriate behavior.
- Respect physical property of others. Theft of, or malicious damage to, property is not tolerated, nor is any unauthorized entry, use, or occupancy of any facility.
- Understand that failure to comply with equal opportunity and anti-discrimination laws, or committing criminal acts are not acceptable practices in 4-H Youth Development Programs.
- Embrace diversity among all youth and adult participants, helping each person to feel welcome and included in the 4-H Youth Development Program.
- Accept my responsibility to represent 4-H Youth Development Programs with dignity and pride by being a positive role model for others.
- Avoid inappropriate interactions with, and inappropriate displays of affection toward, other persons. I will not have unapproved guests in sleeping quarters at overnight 4-H events, nor will I engage in sexual behavior.
- Wear clothing that is appropriate for the event or activity.
- Avoid using any lewd, indecent, or obscene conduct or language.
- Accept supervision and support from Extension staff or designated volunteers.
- Be mindful of and follow Purdue, Centers for Disease Control and Prevention (CDC), and other state and local health authority safety guidelines and procedures related to any epidemic or pandemic illness.
- Participate in appropriate orientation and training, including youth protection standards, sponsored by the Purdue Cooperative Extension Service.
- Operate machinery, vehicles, and other equipment in a safe and responsible manner.
- Not misuse fire equipment or sound a false fire alarm.
- Treat animals in a humane manner and teach program participants appropriate animal care and management.



- Use technology in an appropriate manner that reflects the best practices in youth development. During virtual 4-H activities, I will follow acceptable University practices being mindful of the virtual learning environment.
- Accept my responsibility to promote and support the 4-H Youth Development Program in order to develop an effective county, state, and national program.

I have been given the opportunity to review these expectations and the opportunity to ask questions, and those questions have been answered to my satisfaction. By signing below, I acknowledge that I have read and agree to abide by the behavioral expectations in this document. I understand that my failure to comply with these expectations may result in disciplinary action or termination of my participation in the Indiana 4-H Youth Development Program.

\_\_\_\_\_  
Print 4-H Member Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
4-H Member Signature (required if 18 years of age or over)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Legal Guardian Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Legal Guardian Signature

\_\_\_\_\_  
Date

# 4-H Online vs. FairEntry



When do we need to use them?  
Why do we use them both?

## 4-H Online

## FairEntry

### Who?

- Parents/ Families
- ALL 4-H Members
- ALL Program Volunteers
- Specialty Groups

### Who?

- 4-H Fair Exhibitors
- Superintendents
- Fair Judges
- Check-in Volunteers
- Media Outlets for Fair Results

### What?

- Animal Identification
- Selecting project areas to explore.
- 4-H Trips and other events
- 4-H Scholarships Application
- Club rosters for 4-H Leaders

### What?

- Preparation for county fair
- County Fair Project Labels
- State Fair Qualifying Entries
- Livestock Show Bills
- Organization of Fair Results

### When?

From start to end of the program year: October through September.

### When?

Fair Season: Typically May through August

### Where?

<https://v2.4honline.com/>

### Where?

Direct link provided by county office  
or  
<https://fairentry.com/Public/FindYourFair>

### Why?

- To express interest in the 4-H Program
- Improved communication between County and State and 4-H Families

### Why?

- Prepare for county and state fair
- Get accurate numbers for project display purposes, and stall assignments



# Washington County 4-H

## Livestock Project Guidelines

**Beef**

**Dairy**

**Dairy Beef**

**Goats – Dairy**

**Goats – Meat**

**Goats – Pygmy**

**Horse & Pony**

**Poultry**

**Rabbits**

**Sheep**

**Swine**



## Washington County 4-H General Livestock Guidelines

Washington County 4-H will follow all guidelines established by Indiana 4-H unless otherwise noted in the following Washington County Guidelines. Situations that arise that are not specifically addressed by Indiana 4-H Policies and Procedures or Washington County 4-H Guidelines are at the discretion of the Washington County 4-H Council and the species-specific Superintendents.

### **ENROLLMENT:**

4-H members exhibiting livestock must identify their animals in Indiana 4-H Online by the May 15 deadline. Siblings in the same family profile do not need to list all animals under each sibling in Indiana 4-H Online. Animals listed in a family profile may be exhibited by any siblings in the profile, however, exhibitor selections must be made in FairEntry by June 1. In addition, 4-H members must indicate how they intend to show their livestock project by selecting classes in FairEntry by June 1. For more information about 4-H Online and FairEntry see the "4-H Online vs. FairEntry" document on page 10.

### **4-H ANIMAL OWNERSHIP, POSSESSION AND EXHIBITION:**

#### ***Indiana 4-H Policies & Procedures Section 7: Awards and Competition Guidelines***

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.

1. 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.
  - a. *Livestock Superintendents will verify registration papers during the species check-in times at the Washington County Fair.*
2. For 4-H dairy cattle: family corporations and/or partnerships of the 4-H member with unrelated persons or dairy operations are also acceptable.
3. Dairy cows (as long as the animal is being shown by same 4-Her from 2020 and forward) and heifers, horses and ponies, may be leased subject to approval of both the county 4-H dairy and horse and pony committee/superintendents and the respective County Extension Educator. 4-H animals (horse, pony, and dairy) are only eligible to be leased by a single 4-H member in a 4-H program year.
4. 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.
5. 4-H market animals and commercial animals must be individually identified and verified under the supervision of the county 4-H program at county identification events by May 15 each year (or the following business day if May 15 falls on a weekend or holiday). These species include market lambs and commercial ewes, dairy wethers, dairy feeder steers, dairy beef steers, beef steers, market and commercial heifers, meat goat wethers, and meat goat does.
6. 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."

7. 4-H animals exhibited after the May 15 (or the following business day if May 15 falls on a weekend or holiday) State 4-H animal ID deadline at any show by anyone other than the individual whose 4-H enrollment record is connected to the ID of the animal in Indiana 4-H Online will not be eligible to be shown in the 4-H show at the Indiana State Fair. This term/condition does not apply to siblings, who may show each other's animals at any show during the year without jeopardizing State Fair eligibility. 4-H animals that are selected by 4-H Extension Staff or 4-H Adult Volunteers for use in supreme showmanship contests (Master Showmanship, Round Robin, etc.) may be used in those county events without jeopardizing State Fair eligibility. This policy applies to all 4-H animal projects. For animal projects without state ID deadlines, the person who enters them in the Indiana State Fair 4-H show is the equivalent of the owner of the animals.
8. Temporary guardianships established for the intent of animal exhibition or grooming purposes are not permitted and shall result in immediate disqualification.
9. Animal age is calculated according to the date the animal is judged during the Washington County Fair.
10. 4-H breeding beef, Boer goats, dairy goats, sheep and swine must be registered in one of the following ownership methods:
  - a. In the 4-H members' name;
  - b. John Smith and Sons;
  - c. John Smith, Sons and Daughters;
  - d. John Smith and Family (family includes sons, daughters, and legal guardian youth only);
  - e. Mark Smith (brother) and Mary Smith (sister);
  - f. Family corporations, where the 4-H members' name appears as a holder of stock in the corporation, and proof of same must be supplied on or before the ID deadline; or
  - g. Family partnership where the 4-H member's father, mother, brother, sister, aunt, uncle, grandparent, and/or legal guardian is also in the family partnership and the 4-H member's name appears on the legal, notarized partnership. A copy of the written document must be on file with the Extension Office before the ID deadline. A single animal can only be included in one 4-H Online family profile.
  - h. 4-H breeding beef, Boer goats, dairy goats, sheep and swine will NOT be accepted in the State Fair 4-H Show if they are registered in a father's name only, farm name only, or partnerships with unrelated persons (such as "Smith View", "Smith Oak", "John Doe and William Smith (4-H member)", "Long Oak and William Smith (4-H Member)", etc.).

For more Indiana State Fair Animal Ownership Guidelines see: ***Indiana 4-H Policies & Procedures Section 10: State Fair Terms and Conditions***

**ANIMAL ID DAYS:**

4-H livestock animal identification (ID) and weigh-in days are an important component of the livestock project and help 4-H members understand the need for proper identification for not only showing livestock, but for herd/flock inventory and maintenance. Tags are a common way to identify animals and is a part of the animal ID process in 4-H. ID Days also reinforce the animals are officially owned by the 4-H member and, as a part of the 4-H program, must follow established policies, procedures, and guidelines. Youth must be enrolled in 4-H before attending ID Days.

**LOST EAR TAGS:**

In the event an ear tag is lost a new one should be purchased from the Extension Office as soon as possible. All animals MUST be tagged before unloading at the fair.

**PREMISES ID:**

4-H members exhibiting beef, dairy beef, dairy, goats, sheep, and swine are required to have and report, by the county and state ID deadlines, a Premises ID for the property in which their animals are kept. Though not required, members exhibiting other livestock species are encouraged to have a Premises ID. If a property does not already have a Premises ID, one may be obtained by contacting the Indiana Board of Animal Health at: <https://www.in.gov/boah/traceability-and-premise-id/indiana-premises-registration/>. Livestock species that require an 840-RFID tag for identification will not receive a tag from the Extension office without reporting the Premises ID along with its physical address.

**QUALITY LIVESTOCK CARE PROGRAM:**

To exhibit cattle, goats, poultry, rabbits, sheep, and swine, 4-H members in grades 3-12 must be certified through the in-person Indiana 4-H Quality Livestock Care (QLC) Training or the online Youth for the Quality Care of Animals program (YQCA), [www.yqcaprogram.org](http://www.yqcaprogram.org), annually by June 1. Parents and guardians are encouraged to accompany their member(s) during the program; however, they cannot receive certification. Information about QLC programs is communicated from the Extension office.

**PEN RESERVATIONS AND ASSIGNMENTS**

4-H members exhibiting livestock will complete and submit a Livestock Pen Form to the Extension office by June 1. The Pen Form indicates the number of pens, cages, and/or stalls the 4-H member and siblings request for the number of animals being exhibited. Livestock Superintendents will post pen assignments in the specie's building at least two days before their respective designated drop-off time. Livestock Superintendents reserve the right to adjust pens as necessary during the Washington County Fair.

**ANIMAL CARE AT THE FAIR:**

All animals must be fed, watered, and cared for before, during, and after the Washington County Fair. It is expected that animals will also be treated humanely. Failure to comply with the general care, ethical treatment, and proper representation of animals will result in one warning from a Livestock Superintendent. If proper,

corrective action is not taken in respect to the care of animals, the animal(s) will be dismissed from the fairgrounds. All animals should be free of infectious or contagious disease(s) as determined by Livestock Superintendents and/or Veterinarian. Animals exhibiting disease symptoms may be removed from the fairgrounds.

**MANUALS:**

Many projects have supplemental educational materials called manuals. To determine manual availability, contact the Extension office.

**POSTER OPPORTUNITY:**

The Animal Education poster project is another opportunity for 4-H members to complete a livestock project. Any member may complete the Animal Education project whether or not they exhibit animals. Animal Education project guidelines are found in the Static Project section of this Handbook.

**CARCASS EVALUATION CONTEST:**

A Carcass Evaluation Contest uses ultrasound technology to evaluate carcass traits related to meat quality and yield of live beef, dairy beef, goats, sheep and swine (under 1 year of age) during the Washington County Fair. The date and time are scheduled based on the contest official's availability and is announced as soon as possible. The fee to participate is \$10 per animal, paid by June 1. 4-H members must also select Carcass in FairEntry for each animal they want to participate in the contest. Depending on the contest date/time, Carcass Evaluation Contest awards are announced during 4-H Recognition Night or the 4-H Livestock Auction.

**RATE OF GAIN CONTEST:**

Rate of Gain Contests are valuable tools to help 4-H members understand the financial significance of market animals reaching a goal weight for marketing purposes. Animal ID Days establish a consistent baseline to calculate daily rate of gain. From an economic standpoint, rate of gain may be the most valuable learning objective of market animal projects. Beef steers, beef market heifers, dairy beef fat steers, market goat wethers, market goat does, sheep wethers, and market ewes automatically compete in the Rate of Gain Contest because they attend an ID Day to establish a baseline weight. Rate of Gain Contest results are announced during 4-H Recognition Night.

**SHOWMANSHIP:**

Livestock showmanship classes are divided into Rookie (3<sup>rd</sup> grade), Intermediate (Grades 4-6), Junior (Grades 7-9), and Senior (Grades 10-12) Showmanship and are based on the 4-H members grade as of January 15 of the exhibition year. 4-H members must show their own animal in showmanship classes. Participation in a showmanship division is based solely on grade level, 4-H members do not automatically advance to the next division upon winning. To participate in showmanship, 4-H members must select the appropriate class for each species in FairEntry.



The winners of each division (Rookie, Intermediate, Junior, and Senior) will compete in a Champion Showmanship Class. The Champion Showmanship winner will represent their specie in the Supreme Showmanship Contest. (Rookie winners may choose to opt out of the Supreme Showmanship Contest.) If a 4-H member wins more than one Champion Showmanship Class, the member will represent the specie won first and the second place member will then compete with the three other class winners for Champion Showman.

### **SUPREME SHOWMANSHIP:**

The winner of the Champion Showmanship Class in each specie will compete in a Supreme Showmanship Contest. The showmanship winner from each species will compete in Supreme Showmanship. The species represented in Supreme Showmanship contest are rabbits, poultry, beef, dairy, dairy beef, dairy goats, meat goats, pygmy goats, sheep and swine. Animals for the Supreme Showmanship Contests are organized by the Livestock Superintendents. Animal and member pairings are determined by a random draw. A participant's animal(s) or their sibling(s) animals(s) are not to be selected by Livestock Superintendents for the Supreme Showmanship Contests. If there are not enough animals of one specie for all participants to show at the same time, members will be divided into groups based on the number of members and animals available. The random order of species determined for each Supreme Showmanship Contest is posted by noon on the day of the show. Participants will wear provided t-shirts and back numbers during the show. Participants must obtain their own equipment for the contest.

### **SUBSTITUTE SHOWMAN:**

4-H members are expected to exhibit and sell their own animals. In cases where this cannot occur, the 4-H member may request another Washington County 4-H member to serve as a substitute showman. Requests are only granted for medical emergencies or circumstances deemed unavoidable. Failure to be excused from a job and/or participation in a non-4-H-related creative arts or sporting event or practice will not result in a substitute showman being granted. Substitute Showman requests may only be approved by a livestock superintendent and the 4-H Educator. Requests for substitute showman are not required when a 4-H member has more than one animal in a specific show class. In all circumstances, the substitute showman must be a QLC or YQCA certified Washington County 4-H member in grades 3-12.

### **FITTING AND GROOMING:**

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



If 4-H members choose to use generators while fitting and grooming their animals during the Washington County Fair, the generator must be used and located outside of the buildings.

### **SHOW & AUCTION ATTIRE:**

4-H members wearing commercial advertisements (names or insignia), farm names, and/or family names while showing, selling, or in their auction photograph is prohibited. The following are also not allowed: low-cut shirts, shirts showing the midriff, shirts with spaghetti straps, shorts, baseball caps or any other hat that is not a cowboy hat, and open-toed shoes.

### **OVERNIGHT STAY:**

4-H members are not permitted to stay overnight at the Washington County Fairgrounds. Buildings are closed at 11:00 pm unless announced by the Extension Educator due to unforeseen circumstances such as late ending times of shows, etc.

### **4-H LIVESTOCK AUCTION:**

Participation in the Washington County 4-H Livestock Auction is a privilege. Guidelines for auction participation include:

1. 4-H members may sell one beef, dairy beef, goat, poultry pen, rabbit pen, sheep, or swine. The only exception to selling one animal is for 10-year 4-H members, who may sell two animals.
2. 4-H members exhibiting beef, dairy beef, dairy, goats, poultry, rabbits, sheep, and swine, regardless of intent to participate in the auction, are required to contact perspective auction buyers. Members are assigned business/individual to visit and invite to the auction. Members will receive an Auction Invitation to give to the business/individual and Auction Signature Card, which their assigned business/individual must sign. The signed Auction Signature Card must be submitted to the Extension office by June 1. This allows ample time for the business/individual to plan to attend.
3. Livestock Auction, Carcass Evaluation Contest, Market, and Insurance fees must be paid at the Extension office by June 1. 4-H members must also designate which animal they intend to sell in the auction on the Livestock Fee Form by June 1. Failure to meet this deadline will prevent the 4-H member from selling in the auction.
4. 4-H members must have a picture taken with the animal(s) they are selling in the 4-H Livestock Auction at the designated time during fair week. This picture is given to the animal's buyer. See "Show & Auction Attire" section on the previous page.
5. 4-H members may make auction changes until 9:00 pm on Thursday night of the fair (or the end of the 4-H Beef Show for members showing beef cattle). No changes are permitted after this time.
6. Only Supreme & Reserve Supreme and/or Grand & Reserve Grand Champion animals that have their photos taken with the buyers will go into the ring during the sale. All other members will sell by picture only.

7. The auction order rotates annually with the specie selling first in one year selling last the next year. In alphabetical order, 10-year 4-H members sell first, followed by senior 4-H members.
8. 4-H members are required to write a thank-you note to their auction buyer(s). Notes must be turned into the Extension office for the auction check to be received. Auction checks will be ready, no sooner than, 30 days after the 4-H Livestock Auction. 4-H members are notified when checks are available.
9. There may be specie -specific auction requirements. See the individual specie guidelines in this handbook.
10. The on-call veterinarian reserves the right to disqualify any animal from showing and/or the auction for health reasons.

Additional 4-H Livestock Auction information is mailed to 4-H members.

### **MARKET ANIMALS:**

4-H livestock members may have the opportunity to sell their non-auction market animals directly to the established auction market buyers. Animals intended to be sold to the market must be identified on the Livestock Fee Form and the \$5/animal fee must be paid by June 1. Minimum weights for selling directly to the market are the same as those announced for the Washington County 4-H Livestock Auction. 4-H members may make market animal changes until 9:00 pm on Thursday night of the fair (or the end of the 4-H Beef Show for members showing beef cattle).

### **ANIMAL RELEASE:**

Animals are required to stay on the fairgrounds until designated check-out times. The only exception is for State Fair animals with DNA submitted by the required deadline – those animals may leave the night of their show from 11:00 pm – 12:00 am. Otherwise, no animals shall leave except by order of veterinarian.

4-H members must check-out all animals with the Livestock Superintendent(s).

### **PEN AND ALL BARN CLEAN-UP:**

4-H members exhibiting livestock must clean their pens to the satisfaction of their respective Livestock Superintendents by putting debris in the designated waste bins daily. Final pen clean-up for livestock must occur during the designated time(s). All 4-H members exhibiting livestock are expected to assist with total barn clean-up, not just their individual pens. No clean-up is allowed during the 4-H Livestock Auction or while animals are being loaded after the auction.

### **HERDSMAN AWARD:**

Herdsmen Awards are presented to 4-H livestock project members who demonstrate sportsmanship, quality animal care, and cleanliness during the Washington County Fair. Beef, dairy, dairy beef, goat, poultry, rabbit, sheep, and swine 4-H members are eligible for the Herdsman Award. Awards are selected by the Livestock Superintendents and presented during the Purdue Extension – Washington County Annual Meeting & 4-H Recognition Banquet in October.

## **Project Title: BEEF**

### **Enrollment:**

All beef cattle must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Beef & Dairy Beef ID Day:**

- Beef Steers – 840-RFID Tag and 5-digit County Tag
- Beef Market Heifers – 840-RFID Tag and 5-digit County Tag
- Beef Non-Registered Breeding Heifers – 840-RFID Tag and 5-digit County Tag

#### **Not required to attend Beef & Dairy Beef ID Day:**

- Beef Feeder Calves – 840-RFID Tag and 5-digit County Tag
- Beef Registered Breeding Heifers – 840-RFID Tag and Breed Registry Tattoo
- Cow-Calf Pair – No specific requirement for the cow, but must have a visual identification tag

840-RFID and 5-digit County Tags are available for purchase at the Extension office. Animals must be tagged by May 15.

### **4-H Livestock Auction:**

4-H members may sell one beef animal, weighing at least 900 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

### **Steer & Market Heifer Exhibit Guidelines:**

**Beef Steers:** Dehorning required for the Washington County Fair.

- Steers are shown by breed, crossbred included.
- Beef Superintendents may divide breed classes by weight.
- Must weigh over 800 pounds.

#### **Beef Market Heifers:**

- Market heifers are shown by weight.
- Market heifers are not eligible to show as breeding heifers
- Must weigh over 800 pounds.

**Supreme & Reserve Supreme Market Beef:** Champion Steers and the Champion Market Heifer will compete for Supreme & Reserve Supreme Market Beef.

**Rate of Gain Contest:** Both Steers and Market Heifers will compete in a Rate of Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Both Steers and Market Heifers may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.

## **Registered & Non-Registered Beef Breeding Heifer Exhibit Guidelines:**

**Registered Beef Breeding Heifers:** Dehorning recommended for the Washington County Fair.

- Registered Beef Breeding Heifers are shown by breed. Breed is selected in FairEntry by June 1 and Beef Superintendents verify registration papers during check-in times at the fair.
- FairEntry Classes: No more than two heifers may be entered and shown in the same heifer age group. Age groups are:
  - Spring Heifer – born January 1 to May 15 of current year
  - Fall Heifer – born July 1 to December 31 of previous year
  - Jr. Yearling Heifer – born January 1 to June 30 of previous year
  - Sr. Yearling Heifer – born July 1 to December 31 two years ago

**Non-Registered Beef Breeding Heifers:** Dehorning recommended for the Washington County Fair.

- Non-registered breeding heifers are shown by weight.

**Supreme & Reserve Supreme Breeding Heifer:** Breed Champions and the Champion Non-Registered Breeding Heifer will compete for Supreme and Reserve Supreme Breeding Heifer. The overall third, fourth, and fifth Breeding Heifers are also selected.

## **Beef Cow-Calf Pair Exhibit Guidelines:**

**Cow-Calf Pair:** Dehorning recommended for the Washington County Fair.

- Cow-Calf Pairs are shown together in one class.
- Cow-Calf Pairs are a county only contest and not eligible for the Indiana State Fair.

**Champion & Reserve Champion Cow-Calf Pair:** First and second place Cow-Calf Pairs are also the Champion and Reserve Champion Cow-Calf Pairs.

## **Beef Feeder Calf Exhibit Guidelines:**

**Beef Feeder Calves:** Steers and heifers weighing 800 lbs or less

- Steers and heifers are shown together by weight.

- Beef Superintendents may divide weight classes based on the number of calves.
- Calves from the Cow-Calf Pair class may be shown as feeder calves as long as they have the required identification and are enrolled in 4-H Online and FairEntry as feeder calves.
- Feeder calves are not required to be weaned to show.

**Grand & Reserve Grand Champion Feeder Calf:** Class winners compete for Grand Champion and Reserve Grand Champion Feeder Calf.

## **Beef Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **Washington County Born & Raised Beef Show:**

This is a separate show for steers, market heifers, breeding heifers, feeder calves, and cow-calf pairs born and raised in Washington County.

- Born and raised means the animal was born and raised in Washington County or an adjoining pasture in an adjacent county. For cow-calf pairs, both the cow and calf must be Washington County born and raised.
- This is a no fit show. No fit is defined as wash, brush, and blow dry only. No products should be used.
- Steers and heifers are shown by weight with all breeds showing together.
- The Washington County beef producer who bred and raised the animal must sign the Washington County Born & Raised Enrollment Form. The form must be complete and turned in at the Extension office by June 1.
- Washington County Born & Raised classes must be selected in FairEntry by June 1.

## **Bracelets:**

For the Washington County 4-H Beef Show Only: In order to prevent overcrowding, each 4-H member showing beef will receive five bracelets for beef barn and show ring make-up area entry one hour before and during the beef show. If a family has more than one 4-H member showing beef, one sibling will receive five bracelets and each additional sibling will receive three bracelets. 4-H members must wear one bracelet and additional bracelets may be given to anyone the member chooses. There are no restrictions on who may fit or groom beef animals, but they must have on a bracelet to be in the beef barn and showing make-up area.

## **Project Title: DAIRY**

### **Enrollment:**

All dairy cattle must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

**There is not an ID Day for dairy cattle.**

- Registered Dairy Cows & Heifers – 840-RFID Tag, Animal's Registered Name, and Registration Number
- Non-Registered (Grade) Dairy Cows & Heifers – 840-RFID Tag, Farm Tag, or Tattoo

840-RFID Tags are available for purchase at the Extension office. Animals must be tagged by May 15.

### **4-H Livestock Auction:**

Dairy cattle are not eligible for the Washington County 4-H Livestock Auction.

### **Dairy Cattle Exhibit Guidelines:**

**Registered and Non-Registered (Grade) Dairy Cows and Heifers are exhibited together in the same classes by breed.**

- FairEntry Classes:
  - Junior Calf – born March 1 or later of current year
  - Fall Senior Calf – born December 1 of previous year to February 28 of current year
  - Senior Calf – born September 1 to November 30 of previous year
  - Summer Junior Yearling Heifer – born June 1 to August 31 of previous year
  - Junior Yearling Heifer – born March 1 to May 31 of previous year
  - Intermediate Yearling Heifer – born December 1 two years ago to February 28 of previous year
  - Senior Yearling Heifer – born September 1 to November 30 two years ago
  - 2-Year-Old Cow
  - 3-Year-Old Cow
  - 4-Year-Old Cow & Over
  - Dry Cow
  - Best Fitted High School
  - Best Fitted Under High School

**Grand & Reserve Grand Champion Dairy Female:** Breed Champions compete for Grand and Reserve Grand Champion Dairy Female.

## **Dairy Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **Project Title: DAIRY BEEF**

### **Enrollment:**

All dairy beef steers must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Beef & Dairy Beef ID Day:**

- Dairy Beef Feeder Steers – 840-RFID Tag and 5-digit County Tag
- Dairy Beef Fat Steers – 840-RFID Tag and 5-digit County Tag

### **4-H Livestock Auction:**

4-H members may sell one dairy beef animal, weighing at least 900 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

### **Dairy Beef Exhibit Guidelines:**

**Dairy Beef Feeder Steers:** Dehorning required for the Washington County Fair.

- May be purebred or crossbred, but must be 100% dairy blood.
- Weigh 999 lbs or less.
- Shown by weight. Dairy Beef Superintendents may further divide classes based on the number of animals.
- Must be clipped and “washed down” for the show.

Compete for Grand Champion and Reserve Grand Champion Dairy Beef Feeder Steer.

**Dairy Beef Fat Steers:** Dehorning required for the Washington County Fair.

- May be purebred or crossbred, but must be 100% dairy blood.
- Weigh at least 1,000 lbs.
- Shown by weight. Dairy Beef Superintendents may further divide classes based on the number of animals.
- Must be clipped and “washed down” for the show.

Compete for Grand Champion and Reserve Grand Champion Dairy Beef Fat Steer.

**Rate-of-Gain Contest:** Dairy Beef Fat Steers will compete in a Rate-of-Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Dairy Beef Fat Steers may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.



## **Dairy Beef Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **Project Title: DAIRY GOATS**

### **Enrollment:**

All dairy goats must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Sheep & Goat ID Day:**

- Dairy Goat Market Wethers (under 1 year of age) – 5-digit County Tag or Scrapie Tattoo
- Dairy Goat Wethers (over 1 year of age that have never been to ID Day) – One form of BOAH required identification, see list below.
- Dairy Goat Market Does (under 1 year of age) – One form of BOAH required identification, see list below.
- Dairy Goat Non-Registered Breeding Does (under 1 year of age) – One form of BOAH required identification, see list below.
- Dairy Goat Non-Registered Breeding Does (over 1 year of age that have never been to ID Day) – One form of BOAH required identification, see list below.

#### **Not required to attend Sheep & Goat ID Day:**

- Dairy Goat Wethers (over 1 year of age with required identification that have been to ID Day) – One form of BOAH required identification, see list below.
- Dairy Goat Non-Registered Breeding Does (over 1 year of age with required tags and have been to ID Day) – One form of BOAH required identification, see list below.
- Dairy Goat Registered Breeding Does – Breed Registry Tattoo

#### **Indiana Board of Animal Health (BOAH) Required Identification Options:**

- 840-RFID Tag
- Official Scrapie Tag
- Official Scrapie Tattoo
- Registration Tattoo – Tattoo must be noted on the registration paper and accompany the animal.
- Registration Microchip – Electronic implant must be noted on the registration paper and accompany the animal. 4-H members must have a microchip reader available if using this method of identification.

For more information about BOAH requirements: <https://www.in.gov/boah/species-information/cattle-sheep-and-other-ruminants/sheep-and-goats/>

840-RFID Tags are available for purchase at the Extension office. Animals must be tagged/identified by May 15.

## 4-H Livestock Auction:

4-H members may sell one dairy market goat, under one year of age and weighing a minimum of 40 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

## Dairy Goat Market Wether and Market Doe Exhibit Guidelines:

### Dairy Goat Market Wethers:

- Must be under 1 year of age.
- Shown by breed, including crossbred. Breed is selected in FairEntry by June 1.
- Goat Superintendents may divide breed classes by weight.

### Dairy Goat Market Does:

- Must be under 1 year of age.
- Shown by weight. Goat Superintendents may divide classes based on animal numbers.

**Supreme & Reserve Supreme Market Dairy Goat:** Grand Champion Dairy Goat Market Wether and Grand Champion Dairy Goat Market Doe will compete for Supreme Market Dairy Goat.

**Rate-of-Gain Contest:** Both Market Wethers and Market Does will compete in a Rate-of-Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Both Market Wethers and Market Does under 1 year of age may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.

## Registered & Non-Registered Dairy Goat Breeding Does Exhibit Guidelines:

### Registered Dairy Goat Breeding Does:

- Registered Dairy Goat Breeding Does are shown by breed. Breed is selected in FairEntry by June 1 and Goat Superintendents verify registration papers during check-in times at the fair.
- Breed classes are divided by age.
- FairEntry Classes:
  - Junior Doe – born on or after April 1 of current year
  - Intermediate Doe – born January 1 to March 31 of current year
  - Junior Yearling Doe – born June 1 to December 31 of previous year
  - Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age (never fresh)
  - Senior Yearling Doe – 1 year and under 2 years (milking)

- Doe – 2 years and under 3 years (milking)
- Doe – 3 years and under 5 years (milking)
- Doe – 5 years and older (milking)
- Dry Doe – over 2 years of age (not currently milking)
- Dry Doe – over 2 years of age (never fresh)

### **Non-Registered Dairy Goat Breeding Does:**

- Non-Registered Dairy Goat Breeding Does are shown by declared age.
- FairEntry Classes:
  - Junior Doe – born on or after April 1 of current year
  - Intermediate Doe – born January 1 to March 31 of current year
  - Junior Yearling Doe – born June 1 to December 31 of previous year
  - Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age (never fresh)
  - Senior Yearling Doe – 1 year and under 2 years (milking)
  - Doe – 2 years and under 3 years (milking)
  - Doe – 3 years and under 5 years (milking)
  - Doe – 5 years and older (milking)
  - Dry Doe – over 2 years of age (not currently milking)
  - Dry Doe – over 2 years of age (never fresh)

**Grand & Reserve Grand Champion Dairy Goat Breeding Doe:** Breed Champions and the Champion Non-Registered Dairy Goat Breeding Doe will compete for Grand and Reserve Grand Champion Breeding Dairy Goat Doe.

### **Dairy Goat Wethers Over 1 Year of Age Exhibit Guidelines:**

#### **Dairy Goat Wethers Over 1 Year of Age:**

- Wethers over 1 year of age will be shown by age.
- ***New for 2024: All wethers over 1 year will be shown in a Pet Class. The purpose of this class is to allow 4-H members to continue bringing their wether goat projects to the fair even though they no longer meet the criteria for being a market animal. The Pet Class is intended to teach goat exhibitors to continue care for their goats. There are two classes to exhibit these wethers in. Exhibitors may enter their wethers over 1 year in one or both classes.***
- ***They will be judged on the following criteria:***
  - ***Cleanliness***
  - ***Condition***
  - ***Handling***
- ***Optional Pet Costume Class***
  - ***All Wethers over 1 year will be invited to participate in the Pet Costume Class. Dress up your wethers over a year as little or as much as you choose. There is no award for this class it is strictly just for fun.***

**Champion & Reserve Champion Dairy Goat Wether Over 1 Year of Age:** Class winners compete for Champion and Reserve Champion Dairy Goat Wether Over 1 Year of Age.

## **Dairy Goat Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **General Dairy Goat Information:**

- All 4-H members (grades K-12) who enroll in the Dairy Goat project are highly encouraged to join the Washington County 4-H Goat Club. The goal of the club is to provide meetings that cover topics on showing, grooming, and management practices for goats. Members are encouraged to attend at least three meetings and participate in Goat Club set-up for the Washington County Fair.
- Dairy Goats may not show with horns.
- Judges may require does in milk to be milked before awards are announced. This is at the discretion of the judge.
- Goats must have a collar and tie chain available during the Washington County Fair.
- Goat pens will contain a minimum of two animals. The only exception is if the 4-H member is only showing one goat.

## **Project Title: MEAT GOATS**

### **Enrollment:**

All meat goats must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Sheep & Goat ID Day:**

- Meat Goat Market Wethers (under 1 year of age) – 840-RFID Tag and 5-digit County Tag
- Meat Goat Wethers (over 1 year of age without required tags and/or have never been to ID Day) – 840-FID Tag and 5-digit County Tag
- Meat Goat Market Does (under 1 year of age) – 840-RFID Tag and 5-digit County Tag
- Meat Goat Non-Registered Breeding Does (under 1 year of age) – 840-RFID Tag and 5-digit County Tag
- Meat Goat Non-Registered Breeding Does (over 1 year of age without required tags and/or have never been to ID Day) – 840-RFID Tag and 5-digit County Tag

#### **Not required to attend Sheep & Goat ID Day:**

- Meat Goat Wethers (over 1 year of age with required tags that have been to ID Day) – 840-RFID Tag and 5-digit County Tag
- Meat Goat Non-Registered Breeding Does (over 1 year of age with required tags and have been to ID Day) – 840-RFID Tag and 5-digit County Tag
- Meat Goat Registered Breeding Does – Breed Registry Tattoo

### **4-H Livestock Auction:**

4-H members may sell one meat goat, under one year of age and weighing a minimum of 40 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

### **Meat Goat Market Wether and Market Doe Exhibit Guidelines:**

#### **Meat Goat Market Wethers:**

- Must be under 1 year of age.
- Shown by breed, including crossbred. Breed is selected in FairEntry by June 1.
- Goat Superintendents may divide breed classes by weight.

#### **Meat Goat Market Does:**

- Must be under 1 year of age.
- Shown by weight. Goat Superintendents may divide classes based on animal numbers.

**Supreme & Reserve Supreme Meat Goat:** Grand Champion Meat Goat Market Wether and Grand Champion Meat Goat Market Doe will compete for Supreme Meat Goat.

**Rate-of-Gain Contest:** Both Market Wethers and Market Does will compete in a Rate-of-Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Both Market Wethers and Market Does, under one year of age, may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.

## **Registered & Non-Registered Meat Goat Breeding Does Exhibit Guidelines:**

### **Registered Meat Goat Breeding Does:**

- Registered Meat Goat Breeding Does are shown by breed. Breed is selected in FairEntry by June 1 and Goat Superintendents verify registration papers during check-in times at the fair.
- Breed classes are divided by age.
- FairEntry Classes:
  - Junior Doe – born on or after April 1 of current year
  - Intermediate Doe – born January 1 to March 31 of current year
  - Junior Yearling Doe – born June 1 to December 31 of previous year
  - Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age
  - Doe – 2 years and under 3 years
  - Doe – 3 years and under 5 years
  - Doe – 5 years and older

### **Non-Registered Meat Goat Breeding Does:**

- Breed classes are divided by declared age.
- FairEntry Classes:
  - Junior Doe – born on or after April 1 of current year
  - Intermediate Doe – born January 1 to March 31 of current year
  - Junior Yearling Doe – born June 1 to December 31 of previous year
  - Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age
  - Doe – 2 years and under 3 years
  - Doe – 3 years and under 5 years
  - Doe – 5 years and older

**Grand & Reserve Grand Champion Meat Goat Breeding Doe:** Breed Champions and the Champion Non-Registered Meat Goat Breeding Doe will compete for Grand and Reserve Grand Champion Breeding Meat Goat Doe.

## Meat Goat Wethers Over 1 Year of Age Exhibit Guidelines:

### Meat Goat Wethers Over 1 Year of Age:

- Wethers over 1 year are shown by age.
- ***New for 2024: All wethers over 1 year will be shown in a Pet Class. The purpose of this class is to allow 4-H members to continue bringing their wether goat projects to the fair even though they no longer meet the criteria for being a market animal. The Pet Class is intended to teach goat exhibitors to continue care for their goats. There are two classes to exhibit these wethers in. Exhibitors may enter their wethers over 1 year in one or both classes.***
- ***They will be judged on the following criteria:***
  - ***Cleanliness***
  - ***Condition***
  - ***Handling***
- ***Optional Pet Costume Class***
  - ***All Wethers over 1 year will be invited to participate in the Pet Costume Class. Dress up your wethers over a year as little or as much as you choose. There is no award for this class it is strictly just for fun.***

**Champion & Reserve Champion Meat Goat Wether Over 1 Year of Age:** Class winners compete for Champion and Reserve Champion Meat Goat Wether Over 1 Year of Age.

## Meat Goat Showmanship Exhibit Guidelines:

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## General Meat Goat Information:

- All 4-H members (grades K-12) who enroll in the Meat Goat project are highly encouraged to join the Washington County 4-H Goat Club. The goal of the club is to provide meetings that cover topics on showing, grooming, and management practices for goats. Members are encouraged to attend at least three meetings and participate in Goat Club set-up for the Washington County Fair.
- Meat Goats may be shown with or without horns, however, they must be deemed safe by the Goat Superintendents. Unsafe horns must be covered.
- Goats must have a collar and tie chain available during the Washington County Fair.
- Goat pens will contain a minimum of two animals. The only exception is a 4-H member only showing one goat.



## **Project Title: PYGMY GOATS**

### **Enrollment:**

All Pygmy goats must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Sheep & Goat ID Day:**

- Pygmy Goat Non-Registered Market Wethers (under 1 year of age) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo
- Pygmy Goat Non-Registered Wethers (over 1 year of age that has never been to ID Day) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo
- Pygmy Goat Non-Registered Market Does (under 1 year of age) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo
- Pygmy Goat Non-Registered Breeding Does (under 1 year of age) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo
- Pygmy Goat Non-Registered Breeding Does (over 1 year of age that has never been to ID Day) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo

#### **Not required to attend Sheep & Goat ID Day:**

- Pygmy Goat Registered Market Weathers (under 1 year of age) – Breed Registry Tattoo or Microchip that matches registration paper that accompanies the animal (4-H member must have a microchip reader available if using this method of identification)
- Pygmy Goat Registered Wethers (over 1 year of age) – Breed Registry Tattoo or Microchip that matches registration paper that accompanies the animal (4-H member must have a microchip reader available if using this method of identification)
- Pygmy Goat Registered Non-Breeding Does (over 1 year of age) – Breed Registry Tattoo or Microchip that matches registration paper that accompanies the animal (4-H member must have a microchip reader available if using this method of identification)
- Pygmy Goat Registered Breeding Does – Breed Registry Tattoo or Microchip that matches registration paper that accompanies the animal (4-H member must have a microchip reader available if using this method of identification)
- Pygmy Goat Non-Registered Wethers (over 1 year of age with required identification that have been to ID Day) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo
- Pygmy Goat Non-Registered Breeding Does (over 1 year of age with required identification that has been to ID Day) – 840-RFID Tag, Official Scrapie Tag or Official Scrapie Tattoo

840-RFID are available for purchase at the Extension office. Animals must be tagged/identified by May 15.

## **4-H Livestock Auction:**

4-H members may sell one Pygmy market goat, under one year of age and weighing a minimum of 40 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

## **Pygmy Goat Market Wether and Market Doe Exhibit Guidelines:**

### **Pygmy Goat Market Wethers:**

- Must be under 1 year of age.
- Shown by weight. Goat Superintendents may divide classes based on animal numbers.

### **Pygmy Goat Market Does:**

- Must be under 1 year of age.
- Shown by weight. Goat Superintendents may divide classes based on animal numbers.

**Supreme & Reserve Supreme Market Pygmy Goat:** Grand Champion Pygmy Goat Market Wether and Grand Champion Pygmy Goat Market Doe will compete for Supreme Market Pygmy Goat.

**Rate-of-Gain Contest:** Both Market Wethers and Market Does will compete in a Rate-of-Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Both Market Wethers and Market Does, under one year of age, may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.

## **Registered & Non-Registered Pygmy Goat Breeding Does Exhibit Guidelines:**

### **Registered Pygmy Goat Breeding Does:**

- Goat Superintendents verify registration papers during check-in times at the fair.
- Classes are divided by age.
- FairEntry Classes:
  - Junior Doe – born on or after April 1 of current year
  - Intermediate Doe – born January 1 to March 31 of current year
  - Junior Yearling Doe – born June 1 to December 31 of previous year
  - Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age
  - Doe – 2 years and under 3 years
  - Doe – 3 years and under 5 years
  - Doe – 5 years and older

### **Non-Registered Pygmy Goat Breeding Does:**

- Classes are divided by declared age.
- FairEntry Classes:

- Junior Doe – born on or after April 1 of current year
- Intermediate Doe – born January 1 to March 31 of current year
- Junior Yearling Doe – born June 1 to December 31 of previous year
- Senior Yearling Doe – born on or before May 31 of previous year, under 2 years of age
- Doe – 2 years and under 3 years
- Doe – 3 years and under 5 years
- Doe – 5 years and older

**Grand & Reserve Grand Champion Pygmy Goat Breeding Doe:** The Champion Registered and the Champion Non-Registered Pygmy Goat Breeding Doe will compete for Grand and Reserve Grand Champion Breeding Pygmy Goat Doe.

## **Pygmy Goat Wethers Over 1 Year of Age Exhibit Guidelines:**

### **Pygmy Goat Wethers Over 1 Year of Age:**

- Wethers over 1 year of age will be shown by age.
- ***New for 2024: All wethers over 1 year will be shown in a Pet Class. The purpose of this class is to allow 4-H members to continue bringing their wether goat projects to the fair even though they no longer meet the criteria for being a market animal. The Pet Class is intended to teach goat exhibitors to continue care for their goats. There are two classes to exhibit these wethers in. Exhibitors may enter their wethers over 1 year in one or both classes.***
- ***They will be judged on the following criteria:***
  - ***Cleanliness***
  - ***Condition***
  - ***Handling***
- ***Optional Pet Costume Class***
  - ***All Wethers over 1 year will be invited to participate in the Pet Costume Class. Dress up your wethers over a year as little or as much as you choose. There is no award for this class it is strictly just for fun.***

**Champion & Reserve Champion Pygmy Goat Over 1 Year of Age:** Class winners compete for Champion and Reserve Champion Pygmy Goat Over 1 Year of Age.

## **Pygmy Goat Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **General Pygmy Goat Information:**

- All 4-H members (grades K-12) who enroll in the Pygmy Goat project are highly encouraged to join the Washington County 4-H Goat Club. The goal of the club is to provide meetings that cover topics on showing, grooming, and management practices for goats. Members are encouraged to attend at least three meetings and participate in Goat Club set-up for the Washington County Fair.
- Goats must have a collar and tie chain available during the Washington County Fair.
- Goat pens will contain a minimum of two animals. The only exception is a 4-H member only showing one goat.

## **Project Title: HORSE & PONY**

### **Enrollment:**

All horses and ponies must be enrolled in Indiana 4-H Online by May 15 and FairEntry by July 1. Each 4-H member may enroll up to five horses and/or ponies in the Washington County 4-H Horse & Pony Show.

### **Required Identification:**

Color photographs are required for 4-H Online enrollment. Each photograph must include the animal's face and four feet and must be labeled with the horse's name and the 4-H member's name.

### **Horse & Pony Project Safety Guidelines:**

**There will be a required safety check meeting at the arena with all riding members and their horses so that club leaders and volunteers can check tack and helmets for safety. In addition, leaders and volunteers will observe horses in the arena to be sure they are safe for other riders in proximity. The date will be announced several weeks prior to the meeting.**

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

This policy was placed in effect during the 2003 4-H program year and applies to all county, area, and state 4-H horse and pony events, shows, and activities.

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

### **Horse & Pony Project Health Guidelines:**

In addition to being sound and healthy, all horse and pony project animals must be vaccinated at least one week before the animal attends a club meeting or activity. 4-H Horse & Pony Vaccination Forms (4-H-1031-W) must also be completed and a copy submitted to a club leader to participate. 4-H members should also carry a copy of the form with them to Horse & Pony activities. A list of required vaccines is on the form found at: <https://extension.purdue.edu/4-H/docs/projects/horse/horse-vaccination->

[form.pdf](#). All members are required to attend the December meeting to be sure everyone understands the health requirements and the safety regulations.

## Horse & Pony Project Guidelines:

- Refer to the current Indiana 4-H Horse & Pony Handbook for policies and class guidelines for exhibition. Copies are available at the Extension office.
- Classes defined:
  - Junior – Grades 3-7
  - Senior – Grades 8-12
- **FairEntry Classes:**
  - **Contesting:**
    - Barrels – Jr. and Sr.
    - Barrels – Sr. Under 56”
    - Egg and Spoon – Jr. and Sr.
    - Flags – Jr. and Sr.
    - Flags – Sr. Under 56”
    - Keyhole – Jr. and Sr.
    - Keyhole – Jr. and Sr. Under 56”
    - Pole Bending – Jr. and Sr.
    - Pole Bending – Sr. Under 56”
    - Speed & Action – Jr. and Sr.
    - Speed & Action – Jr. and Sr. Under 56”
    - Surprise Class – Everyone
  - **English**
    - Hunt Seat Equitation – Jr. and Sr.
    - Hunt Seat Pleasure – Jr. and Sr.
    - Hunter Hack – Jr. and Sr.
  - **Western**
    - Country Pleasure – Jr. and Sr.
    - Ranch Horse Pleasure – Jr. and Sr.
    - Ranch Riding – Jr. and Sr.
    - Reining – Jr. and Sr.
    - Showmanship at Halter – Jr. and Sr.
    - Trail – Jr. and Sr.
    - Western Geldings
    - Western Horsemanship – Jr. and Sr.
    - Western Mares
    - Western Pleasure – Gaited Horse
    - Western Pleasure – Jr. and Sr.
    - Western Pleasure – Walk Trot
    - Western Walk Trot Equitation – Jr. and Sr.

## **Project Title: POULTRY**

### **Enrollment:**

4-H members should own and care for their poultry projects by May 15, except for birds not born by May 15. Poultry must be enrolled in FairEntry by June 1.

### **NPIP Exhibition Requirements:**

#### **Chickens and Turkeys:**

- Chickens and turkeys without documentation verifying their origination from a National Poultry Improvement Plan (NPIP) certified flock must be tested for and receive a negative Pullorum-Typhoid (PT) test result within 90 days of exhibition. Poultry Superintendents offer PT testing at poultry check-in.

#### **Waterfowl:**

- Waterfowl are not under the federal registration, so they are not required to be PT tested or come from a NPIP certified flock to exhibit.

### **4-H Livestock Auction:**

Only the Best Meat Pen may sell in the Washington County 4-H Livestock Auction. The Best Meat Pen exhibitor must notify the Extension office of their intent to sell in the 4-H Livestock Auction by Thursday of the fair and pay applicable auction fees.

### **Poultry Exhibit Guidelines:**

**Commercial Chickens:** Pen classes with two birds per pen. 4-H members may exhibit two pens. Chickens shown in pen classes may not be shown in other individual classes.

- Commercial Chicken FairEntry Classes:
  - Brown Egg Layer Pullets
  - Brown Egg Layer Hens
  - White Egg Layer Pullets
  - White Egg Layer Hens
  - Green Egg Layer Pullets
  - Green Egg Layer Hens

**Best & Reserve Grand Champion Commercial Chickens:** Champions compete for Best & Reserve Grand Champion Commercial Chickens.

**Chickens:** Considered individual classes. There is no limit to the number of varieties a 4-H member may exhibit, however, only two birds may be exhibited per class.

- Large Fowl FairEntry Classes:
  - English Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet
  - American Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet
  - Mediterranean Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet
  - Asiatic Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet
  - Continental Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet
  - All Other Large Fowl
    - Cock      -Cockerel
    - Hen      -Pullet

**Best & Reserve Grand Champion Large Fowl:** Champions of each breed compete for Best & Reserve Grand Champion Large Fowl.

- Bantam FairEntry Classes:
  - Single Comb Clean Legged Bantams
    - Cock      -Cockerel
    - Hen      -Pullet
  - Rose Comb Clean Legged Bantams
    - Cock      -Cockerel
    - Hen      -Pullet
  - All Other Combs Clean Legged Bantams
    - Cock      -Cockerel
    - Hen      -Pullet
  - Feather Legged Bantams
    - Cock      -Cockerel
    - Hen      -Pullet
  - Old English Game Bantams
    - Cock      -Cockerel
    - Hen      -Pullet
  - Modern Game Bantams
    - Cock      -Cockerel
    - Hen      -Pullet

**Best & Reserve Grand Champion Bantams:** Champions of each breed compete for Best & Reserve Grand Champion Bantams.

**Meat Pens:** Pen of two birds of the same sex, age, and weight.

- Meat Pen FairEntry Classes:
  - Broilers – Birds six to eight weeks of age and not over 5 1/2 lbs on show day.
  - Roasters – Birds eight to twelve weeks of age between 5 1/2 to 10 lbs on show day.

**Best & Reserve Grand Champion Meat Pen:** Champion Broilers and Champion Roasters compete for Best & Reserve Grand Champion Meat Pen.

**Eggs:** Six chicken eggs in a foam container. 4-H members may exhibit two entries per class.

- Egg FairEntry Classes:
  - White Eggs
  - Brown Eggs
  - All Other Eggs

**Grand & Reserve Grand Champion Eggs:** Class Champions compete for Grand & Reserve Grand Champion.

**Turkey:** Considered individual classes. Only two birds may be exhibited per class.

- Turkey FairEntry Classes:
  - Commercial Hen
  - Exhibition Hen
  - Commercial Tom
  - Exhibition Tom

**Best & Reserve Grand Champion Turkey:** Champion Toms and Champion Hens compete for Best & Reserve Grand Champion Turkey.

**Waterfowl:** Considered individual classes. Only two birds may be exhibited per class.

- Waterfowl FairEntry Classes:
  - Duck
  - Drake

**Best & Reserve Grand Champion Waterfowl:** Champion Duck and Champion Drake compete for Best & Reserve Grand Champion Waterfowl.

**Peafowl:** Considered individual classes. Only two birds may be exhibited per class.

- Peafowl FairEntry Classes:
  - Peacock
  - Peahen

**Best & Reserve Grand Champion Peafowl:** Champion Peacock and Champion Peahen compete for Best & Reserve Grand Champion Peafowl.

**Best in Show:** Best Commercial Chickens, Best Large Fowl, Best Bantam, Best Meat Pen, Grand Champion Eggs, Best Turkey, Best Peafowl, and Best Waterfowl compete for Best in Show.



## **Poultry Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## Project Title: RABBITS

### Enrollment:

All rabbits must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### Required Identification:

- Rabbits must have a tattoo. 4-H members may have the option to tattoo their rabbits during a spring Fur & Feathers Club meeting. Tattoos will be verified by Rabbit Superintendents during Rabbit check-in.

### 4-H Livestock Auction:

Only the Champion Meat Pen may sell in the Washington County 4-H Livestock Auction. The Champion Meat Pen exhibitor must notify the Extension office of their intent to sell in the 4-H Livestock Auction by Thursday of the fair and pay applicable auction fees.

### Rabbit Exhibit Guidelines:

**Rabbits:** 4-H members may show no more than three rabbits per class, plus one meat pen for a total of 12 rabbits.

- Four Class FairEntry Classes: See breed list below.
  - Senior Buck 2 & Over (male rabbit two years or older)
  - Senior Doe 2 & Over (female rabbit two years or older)
  - Senior Buck (male rabbit six months to two years old)
  - Senior Doe (female rabbit six months to two years old)
  - Junior Buck (male rabbit under six months old)
  - Junior Doe (female rabbit under size months old)

#### Four Class Breeds:

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

**Best & Reserve Grand Champion Buck Four Class:** Champion Bucks compete for Best and Reserve Grand Champion Buck Four Class.

**Best & Reserve Grand Champion Doe Four Class:** Champion Does compete for Best and Reserve Grand Champion Doe Four Class.

- Six Class FairEntry Classes: See breed list below.
  - Senior Buck 2 & Over (male rabbit two years or older)
  - Senior Doe 2 & Over (female rabbit two years or older)
  - Senior Buck (male rabbit nine months to two years old)
  - Senior Doe (female rabbit nine months to two years old)
  - Intermediate Buck (male rabbit six to eight months old)
  - Intermediate Doe (female rabbit six to eight months old)
  - Junior Buck (male rabbit under six months old)
  - Junior Doe (female rabbit under size months old)

Six Class Breeds:

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

**Best & Reserve Grand Champion Buck Six Class:** Champion Bucks compete for Best and Reserve Grand Champion Buck Six Class.

**Best & Reserve Grand Champion Doe Six Class:** Champion Does compete for Best and Reserve Grand Champion Doe Six Class.

- Mixed Class FairEntry Classes:
  - Senior Buck 2 & Over (male rabbit two years or older)
  - Senior Doe 2 & Over (female rabbit two years or older)
  - Senior Buck (male rabbit nine months to two years old)
  - Senior Doe (female rabbit nine months to two years old)
  - Intermediate Buck (male rabbit six to eight months old)
  - Intermediate Doe (female rabbit six to eight months old)
  - Junior Buck (male rabbit under six months old)
  - Junior Doe (female rabbit under size months old)

**Best & Reserve Grand Champion Buck Mixed Class:** Champion Bucks compete for Best and Reserve Grand Champion Buck Six Class.

**Best & Reserve Grand Champion Doe Mixed Class:** Champion Does compete for Best and Reserve Grand Champion Doe Six Class.

- Meat Pen FairEntry Classes: Three rabbits of a single litter weighing 3-5 lbs.
  - Meat Pen

**Champion & Reserve Champion Meat Pen:** Class winners compete for Champion and Reserve Champion Meat Pen.

**Best in Show:** Best Bucks, Best Does, and Champion Meat Pen compete for Best in Show.

## **Rabbit Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **Project Title: SHEEP**

### **Enrollment:**

All sheep must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

#### **Required to attend Sheep & Goat ID Day:**

- Sheep Market Wethers – 840-RFID Tag and 5-digit County Tag
- Sheep Market Ewes – 840-RFID Tag and 5-digit County Tag
- Sheep Non-Registered Breeding Ewes (without required tags and/or have never been to ID Day) – 840-RFID Tag and 5-digit County Tag or Official Scrapie Tag

#### **Not required to attend Sheep & Goat ID Day:**

- Sheep Non-Registered Breeding Ewes (with required tags that have been to ID Day) – 840-RFID Tag and 5-digit County Tag or Official Scrapie Tag
- Sheep Registered Breeding Ewes – 840-RFID Tag and ID Matching Registration Papers

840-RFID Tags are available for purchase at the Extension office. Animals must be tagged by May 15.

### **4-H Livestock Auction:**

4-H members may sell one sheep, under one year of age and weighing a minimum of 40 pounds, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals.

### **Wether & Market Ewe Exhibit Guidelines:**

**Sheep Wethers:** Must be less than one year of age. Wool breed wethers must be free of blankets at the time of arrival at the fair and slick shorn for the show. It is at the 4-H member's discretion to slick shear hair market wethers for the show.

- Wethers are shown by wool breeds, including white-face and black-face crossbreds, or hair breeds, including crossbreds.
- Sheep Superintendents may divide breed classes by weight.
- Breed and Crossbred Champions will compete for Champion and Reserve Champion Market Wether.

**Sheep Market Ewes:** Must be less than one year of age. Wool breed market ewes must be free of blankets at the time of arrival at the fair and slick shorn for the show. It is at the 4-H member's discretion to slick shear hair market ewes for the show.

- Market ewes are shown by weight as wool or hair ewes.

- Market ewes are not eligible to show as breeding ewes.
- Class Winners compete for Grand and Reserve Champion Market Ewes.

**Pair of Market Lambs:** Two market lambs owned by the same 4-H member. One Pair of Market Lambs is awarded Champion.

**Supreme & Reserve Supreme Market Lamb:** Grand Champion Wether and Grand Champion Market Ewe will compete for Supreme Market Lamb.

**Rate-of-Gain Contest:** Both Wethers and Market Ewes will compete in a Rate-of-Gain Contest. Awards are announced during 4-H Recognition Night of the Washington County Fair. See page 15 for more information.

**Carcass Evaluation Contest:** Both Wethers and Market Ewes may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.

## **Registered & Non-Registered Sheep Breeding Ewe Exhibit Guidelines:**

### **Registered Sheep Breeding Ewes:**

- Registered Sheep Breeding Ewes are shown by wool breeds or hair breeds. Breed is selected in FairEntry by June 1 and Sheep Superintendents verify registration papers during check-in times at the fair.
- Ewe lambs with a broken mouth or evidence of yearling teeth, will show in the yearling class. Determination of age by teeth is at the discretion of the judge.
- FairEntry Classes:
  - Jan./Feb. Ewe Lambs – Born in January & February of current year
  - March/April Ewe Lambs – Born in March & April of current year
  - Fall Ewe Lambs – Born between September 1 and December 31 of previous year
  - Yearling Ewes – Born between January 1 and August 31 of previous year
  - Aged Ewes – 2 years and older

### **Non-Registered Sheep Breeding Ewes:**

- Non-registered breeding ewes are shown by weight as wool or hair ewes.
- Class winners will compete for Champion and Reserve Champion Non-Registered Breeding Ewe.

**Pair of Breeding Ewes:** Two breeding ewes owned by the same 4-H member. One Pair of Breeding Ewes is awarded Champion.

**Grand & Reserve Grand Champion Breeding Ewe:** Breed Champions and the Champion Non-Registered Breeding Ewe will compete for Grand and Reserve Grand Champion Breeding Ewe.

## **Sheep Lead Exhibit Guidelines:**

**Sheep Lead:** A contest to show the relationship between the shepherd and their sheep. The 4-H member leads a sheep around the ring based upon the judge's discretion. Members are judged on their handling of the sheep.

- FairEntry Classes:
  - Junior Lead – 4-H members in grades 3-7.
  - Senior Lead – 4-H members in grades 8-12.

**Champion Junior Lead & Champion Senior Lead:** One Champion is selected from the Junior Lead class and one Champion is selected from the Senior Lead class.

## **Sheep Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **Project Title: SWINE**

### **Enrollment:**

All swine must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

### **Required Identification:**

- All Barrows & Gilts – 840-RFID Tag and Ear Notches

840-RFID Tags are available for purchase at the Extension office. Animals must be tagged by May 15.

### **4-H Livestock Auction:**

4-H members may sell one swine, with a suggested minimum weight of 200 lbs, in the Washington County 4-H Livestock Auction. Ten-year 4-H members may sell two animals. Minimum weight to sell in the 4-H Livestock Auction is dependent on the swine market buyer and will be posted fair week.

### **Barrows & Market Gilt Exhibit Guidelines:**

#### **Barrows:**

- Barrows are shown by breeds, including crossbreds.
- Swine Superintendents may divide breed classes by weight.
- Champion lightweight, medium weight, and heavy weight crossbred barrows may be selected.
- Breed and Crossbred Champions will compete for Grand and Reserve Grand Champion Barrows. Third, fourth, and fifth overall barrows are also selected.

#### **Market Gilts:**

- Market gilts are shown by weight divided into lightweight, medium weight, and heavy weight.
- Market gilts are not eligible to show as breeding gilts.
- Weight Champions will compete for Grand Champion and Reserve Grand Champion Market Gilt.

**Supreme & Reserve Supreme Market Hog:** Grand Champion Barrow and Grand Champion Market Gilt will compete for Supreme Market Hog.

**Carcass Evaluation Contest:** Both Barrows and Market Gilts may compete in the Carcass Evaluation Contest. Awards are announced during 4-H Recognition Night or the 4-H Livestock Auction of the Washington County Fair. See page 15 for more information.



## **Registered & Non-Registered Breeding Gilt Exhibit Guidelines:**

### **Registered Breeding Gilts:**

- Registered Breeding Gilts are shown by breeds. Breed is selected in FairEntry by June 1 and Swine Superintendents verify registration papers during check-in times at the fair.
- FairEntry Classes:
  - December Gilts – Born in December of previous year
  - January Gilts – Born in January of current year
  - February Gilts – Born in February of current year
  - March Gilts – Born in March of current year

### **Non-Registered Breeding Gilts:**

- Non-registered breeding gilts are shown by weight.
- Class winners will compete for Champion and Reserve Champion Non-Registered Breeding Gilts.

**Grand & Reserve Grand Champion Breeding Gilt:** Breed Champions and the Champion Non-Registered Breeding Gilt will compete for Grand and Reserve Grand Champion Breeding Gilt. Third, fourth, and fifth overall breeding gilts are also selected.

## **Swine Showmanship Exhibit Guidelines:**

- FairEntry Classes:
  - Rookie Showmanship – 4-H members in grade 3.
  - Junior Showmanship – 4-H members in grades 4-6.
  - Intermediate Showmanship – 4-H members in grades 7-9.
  - Senior Showmanship – 4-H members in grades 10-12.

## **General Swine Information:**

- All 4-H barrows and gilts must be farrowed on or after December 1.
- Automatic hog watering devices are recommended for swine pens.
- Do not slick shear. Swine must have at least 1/2 inch of hair to show or sell in the auction.

# Washington County 4-H

## County & State Static Project Guidelines

**Aerospace**  
**Animal Education**  
**Anything Goes**  
**Arts & Crafts**  
**Beekeeping**  
**Cake Decorating**  
**Child Development**  
**Collections**  
**Communications**  
**Computer Science**  
**Construction & Architectural  
Replica**  
**Consumer Clothing**  
**Crops**  
**Cupcake Decorating**  
**Dog**  
**Electric**  
**Entomology**  
**Farm Toy Scene**  
**Fashion Revue**  
**Fine Arts**  
**Floriculture**  
**Foods, Baked**  
**Foods, Preserved**  
**Forestry**  
**Garden**  
**Genealogy**  
**Geology**  
**Gift Wrapping**  
**Health**

**Home Environment**  
**Junior Leaders**  
**Lawn & Garden Tractor  
Safety & Operator Skills**  
**Microwave Cooking**  
**Model Craft**  
**Needle Craft**  
**Photography**  
**Recycling**  
**Sewing – Non-Wearable**  
**Sewing – Wearable**  
**Shooting Sports**  
**Small Engine**  
**Soil & Water Science**  
**Sportfishing**  
**Sports**  
**Strawberries**  
**Tractor Safety & Operator  
Skills**  
**Veterinary Science**  
**Weather & Climate Science**  
**Wildlife**  
**Woodworking**  
**Zero-Turn Mower Safety &  
Operator Skills**



## Washington County 4-H Static Project Guidelines

Washington County 4-H will follow all guidelines established by Indiana 4-H unless otherwise noted in the following Washington County Guidelines. Situations that arise that are not specifically addressed by Indiana 4-H Policies and Procedures or Washington County 4-H Guidelines are at the discretion of the Washington County 4-H Council.

For more information: ***Indiana 4-H Policies & Procedures***

### **PURPOSE:**

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 of abiding by all the guidelines pertaining to the respective 4-H project.

### **ENROLLMENT:**

Ideally, 4-H members are enrolled in 4-H Online by January 15 of the exhibition year, indicating the project(s) the member intends to exhibit at the Washington County Fair. The January 15 target deadline ensures that members receive all of the necessary information to complete the project(s) in a timely manner. 4-H members may change their project selections in 4-H Online through May 15. In addition, 4-H members must indicate how they intend to exhibit their project(s) by selecting classes/divisions in FairEntry by June 1. For changes after June 1, contact the Extension office. Accurate enrollment in 4-H Online and FairEntry ensures an efficient project check-in process at the fair. For more information about 4-H Online and FairEntry see the “4-H Online vs. FairEntry” document on page 10.

### **GENERAL PROJECT INFORMATION:**

- Projects are divided by grade with specific guidelines based on the 4-H member’s grade as of January 15 of the exhibition year.
- All 4-H project exhibits must be prepared during the current 4-H year (after previous fair). Once a project is exhibited at the fair, it is ineligible to be exhibited again.
- All posters, notebooks, and display boards (made of rigid material strong enough to stand on its own, often tri-fold) must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member’s exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. The reference list must be attached to the back of the poster or display board, be the last page of a notebook, or be 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.
- Members should refer to the published fair schedule for specific dates and times for project check-in and release. No exhibit is released before the designated time. Any 4-H exhibit removed from display before the published release time will be disqualified, forfeiting 4-H placings, awards, and premiums. Regardless of value, the County Extension Office is not responsible for exhibits.

- Group placing is used for all static projects.
- Projects are community judged, during which the judge will ask 4-H members questions about their project, point out positive aspects of their project, and make suggestions for improvement. The project will be awarded a 1st, 2nd, or 3rd place ribbon. Judges may also award Champion, Reserve Champion, Grand Champion, Reserve Grand Champion, and select Indiana State Fair eligible projects (where applicable). Community judging is offered for the benefit of the 4-H member. If a 4-H member cannot be present for judging, the judge will complete a scorecard for the 4-H member.
- 4-H members may earn premium money for projects exhibited at the fair.

**POSTER PROJECTS:**

Poster projects should be 22" x 28," displayed horizontally with a stiff backing and covered with plastic (one piece plastic cover – do NOT use cellophane wrap). Foam board posters are acceptable. Posters not meeting these standards will be dropped one ribbon placing. Any color of poster board may be used. 22"x28" foam board and plastic sleeves are available for purchase at the Extension Office.

**RECORD SHEETS:**

NEW FOR 2024! Record sheets are not required to exhibit projects at the fair. A Washington County General Record Sheet may be used in lieu of a project in special cases (i.e.: animal loss within 1 week of livestock check-in).

**MANUALS:**

Many projects have supplemental educational materials called manuals. To determine manual availability, contact the Extension office.



## Project Title: Aerospace

### Description:

The 4-H aerospace program provides youth with educational information and experiences about aerodynamics, flight and rocketry.

### State Fair Entries:

3 rockets, drones (UAV), remote control aircraft, posters, notebooks or display boards per county; one per level.

### Exhibit Guidelines:

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

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

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

"Ready to Fly" and E2X rockets are not permitted. 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. Remote control aircraft or drones may be constructed from a kit or purchased ready-to-fly. The power source (rocket engine, battery pack, etc.) is to be removed before being placed in public exhibition.

Rockets will not be launched and remote control aircraft or drones will not be flown at state fair. Launching rockets and flying aircraft or drones at the county level is optional based on adult supervision experience.

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Construct a rocket of your choice designed for a new model rocket enthusiast with a difficulty level that is appropriate for the suggested grade level, or a poster or display board on any topic in the manual. Similar topics not included in the manual are permissible. Rockets cannot be ready-to-fly (RTF) or have plastic fins. Cluster engine rockets and rockets that take an engine D or above are not permitted in this level.

Learn to fly a 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. Other topics could include how a quadcopter operates, controls used to fly a quadcopter, UAV regulations administered by Federal Aviation Administration, commercial and emergency uses of UAVs, and more.

### *Intermediate (grades 6-8 suggested)*

Construct a rocket of your choice designed for a model rocket enthusiast with some experience and with a difficulty level that is appropriate for the suggested grade level, or a poster or display board on any topic in the manual. Similar topics not included in the manual are permissible. Rockets cannot be ready-to-fly (RTF) or have plastic fins. Cluster engine rockets and rockets that take an engine E or above are not permitted in this level.

Construct or learn to fly a 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. Other topics could include interviewing a certified UAV pilot who works in law enforcement, EMS, fire, Purdue Extension, commercial or other application. Other options could include creating a flight plan or interfacing with other computer software.

### *Advanced (grades 9-12 suggested)*

Construct a rocket of your choice designed for an experienced model rocket enthusiast and with a difficulty level that is appropriate for the suggested grade level, or a poster or display board on any topic in the manual. Similar topics not included in the manual are permissible. Rockets cannot be ready-to-fly (RTF) or have plastic fins. Cluster engine rockets and rockets that take an engine G or above are not permitted in this level.

Construct or learn to fly a 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. Other topics could include using “stitching” software to produce an orthomosaic map for a research purpose, identifying Department of Transportation Aeronautical Chart features and explain how these are important to a drone pilot, how to obtain a drone pilot license, or more. If 16 years of age or older the member could obtain a license by completing and passing the official FAA Part 107 UAV licensing test.



## Project Title: Animal Education

### Description:

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

### State Fair Entries:

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

### County Only Entries:

- Beef
- Dairy
- Dairy Beef
- Horse & Pony
- Goat
- Sheep
- Swine
- Other

### Exhibit Guidelines:

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

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

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using

no more than 36” of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

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

## **Exhibit Class Guidelines:**

### ***Beginner (grades 3-5 suggested)***

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

### ***Intermediate (grades 6-8 suggested)***

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

### ***Advanced (grades 9-12 suggested)***

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

## ***Entering in FairEntry:***

*All Animal Education projects are listed in FairEntry as Static Projects-County Only-Animal Education*



## Project Title: Anything Goes

### Description:

The “Anything Goes” 4-H project allows youth to explore subject matter outside of the recognized list of 4-H projects and really open their imagination to be involved in an area which they are interested in.

**Note: If this project fits into another area, it will be moved to the appropriate area.**

### State Fair Entries:

County only project. No state fair entry.

### Exhibit Guidelines:

This project is open to your imagination, subject matters could include but not limited to: Dance, Family Vacation, Hobbies, Inventions, History, Science, Theatre, Automobile Restoration, Racing, Taxidermy.

#### **Your Exhibit may NOT**

1. Display any weapons
2. Contain hazardous materials
3. Contain any live animals

### Exhibit Class Guidelines:

#### ***Beginner-(Grades 3-5 Suggested)***

Exhibit a poster, display or notebook relating to your project. Displays should be no larger than 48” x 48” x 48”.

#### ***Intermediate-(Grades 6-8 Suggested)***

Exhibit a poster, display or notebook relating to your project. Displays should be no larger than 48” x 48” x 48”.

#### ***Advanced-(Grades 9-12 Suggested)***

Exhibit a poster, display or notebook relating to your project. Displays should be no larger than 48” x 48” x 48”.



## Project Title: Arts and Crafts

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

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

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

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create and exhibit one age/grade appropriate artwork.

#### *Intermediate (grades 6-8 suggested)*

Create and exhibit one age/grade appropriate artwork.

#### *Advanced (grades 9-12 suggested)*

Create and exhibit one age/grade appropriate artwork.

**\*\*4-H Craft Information Card must be attached to project.\*\***

<b>4-H Craft Information Card</b>		<b>4-H 618a-W New 10/2012</b>
4-H Member Name _____	County _____	Grade in School _____
What is the title of your exhibit, or its purpose?		
Was this exhibit completed from a purchased kit or an original design?		
Describe how this exhibit was constructed/crafted. (What did you do?)		





## Project Title: Beekeeping

### Description:

This project will help youth learn beekeeping, the types of bees, the honey and wax they produce, the plants that attract bees, and the equipment a beekeeper needs.

### State Fair Entries:

1 educational exhibit per county.

1 honey exhibit per member, unlimited number of county entries.

### Exhibit Guidelines:

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

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

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

#### Special Notes:

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

### Exhibit Class Guidelines:

#### *Educational Poster or Display (grades 3-12)*

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

### *Single Honey Product (grades 3-12)*

Exhibit one of the following:

1. Extracted honey - 2 one-pound jars, shown in glass or clear plastic, screw-top jars holding 1 pound of honey each.
2. Chunk honey (comb in jar)- 2 one-pound jars(wide-mouth glass or clear plastic).
3. Cut-comb honey - 2 one- pound boxes (These are usually 4 1/2" x 4 1/2" in size).

### *Two Honey Products (grades 3-12)*

Exhibit two of the four kinds of honey listed below.

1. Extracted Honey - 2 one-pound jars (glass or clear plastic).
2. Chunk Honey (comb in jar) - 2 one-pound jars (wide-mouth - glass or clear plastic).
3. Cut-comb Honey - 2 one-pound boxes. Boxes are usually 4 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).



## Project Title: Cake Decorating

### Description:

The cake decorating project allows youth to utilize their artistic ability and expressions as they learn decorating techniques and skills. Anyone wanting to learn baking skills should refer to the 4-H foods project.

### State Fair Entries:

3 entries per county; one per level.

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

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. Cakes must be on a cake board strong enough to support the cake (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 12"x12".

### *Intermediate (grades 6-8 suggested)*

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. Cakes must be on a cake board strong enough to support the cake (approximately 3/8" thick) and 2-4" larger than the cake. For example, if the cake is 9"x13" rectangular, then the cake board must be 11"x15" to 13"x17" rectangular. The cake board must be neatly covered and well taped or otherwise attached underneath. Cakes exhibited in the intermediate level are to be a single or double tier/layer, no more than 12" tall and may be any shape. Youth may choose to decorate an inverted (upside down) character pan 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".

### *Advanced (grades 9-12 suggested)*

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. Cakes must be on a cake board strong enough to support the cake (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".



### Indiana 4-H Cake Decorating Skills and Techniques

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate skills to incorporate in a decorated cake for exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering. For example, some youth in the intermediate level might feel comfortable attempting advanced level skills, but it is unlikely a beginner level exhibitor will be able to successfully master the advanced level skills. Exhibited cakes must demonstrate the minimum five techniques from their given level 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. Youth are encouraged to utilize a number of resources such as web sites, print material, social media, and television shows when learning cake decorating skills. Skills learned from these types of resources may be demonstrated provided they are age/grade appropriate.

The X indicates suggested level to learn respective skill.

Skill	Beginner	Intermediate	Advanced
<b>Icing</b>			
Achieve proper consistency of icing for frosting the cake	X		
Tablespoon imprint	X		
Teaspoon swirl	X		
<b>Coloring Techniques (only one coloring technique can be counted toward the minimum 5)</b>			
Basic color blending	X		
Deep color effects			X
Painting			X
<b>Borders and Side Decorations</b>			
“C” motion	X		
Balls	X		
Bead	X		
Dots	X		
Leaf	X		
Loop	X		
Pull dots	X		
Pullout star	X		
Rosette	X		
Ruffle border	X		
Ruffle leaf	X		
Shell with star tip	X		
Shell with writing tip (beads)	X		
Star	X		
Star puff	X		
Stripes	X		
Vines	X	X	
Wavy lines	X		
Zigzag	X		
Zigzag puff	X		
Brush embroidery		X	

"e" motion		X	
"S" scroll		X	
Horizontal "C"		X	
Plume		X	
Puff		X	
Reverse shell		X	
Ribbon		X	
Rope		X	
Ruffle		X	
Zigzag puff		X	
<b>Combination Borders and Side Decorations</b>			
Leaf and drop flower	X		
Rosette and star	X		
Shell and flute	X		
"S" scroll and drop flower		X	
Dot and heart		X	
Puff and drop flower		X	
Shell puff and ruffle or zigzag		X	
Basket weave		X	X
Bow trimmed strings			X
Crown			X
Drop strings			X
Fleur-de-lis			X
Flower and vine			X
Lambeth method			X
Ribbon and ball fringe			X
Ribbon swag			X
Shirred ribbon and shell			X
String lace			X
Triple drop strings			X
Zigzag garland and ruffle			X
<b>Leaves</b>			
Holly	X	X	
Plain leaf	X	X	
Ruffled leaf	X	X	
Stand up leaf	X	X	
Violet leaf		X	
<b>Flowers</b>			
Drop flowers, one squeeze star	X		
Drop flowers, swirl	X		
Free hand (star tip)	X		
Petals	X		
Ribbon rose	X		
Rosette	X		
Rosette with star center	X		
Shaggy mum	X		
Star puffs	X		
Stars	X		
Variety (writing tip)	X		

Zinnia	X		
Rosebud	X	X	
Sweet pea	X	X	
Bleeding heart		X	
Half carnation		X	
Half rose		X	
Lilly of the valley		X	
Other flat surface flowers		X	
Apple blossom		X	X
Aster		X	X
Bachelor button		X	X
Brown-eyed susan – daisy variation		X	X
Chrysanthemum		X	X
Daffodil and jonquil		X	X
Daisy	X	X	X
Dogwood		X	X
Forget-me-not		X	X
Full carnation		X	X
Narcissus		X	X
Pansy		X	X
Poinsettia		X	X
Poppy		X	X
Rose		X	X
Sunflower	X	X	X
Violet		X	X
Wild rose		X	X
Other flat flower nail		X	X
Bluebell			X
California poppy			X
Easter lily			X
Morning glory			X
Nasturtium			X
Petunia			X
Other lily nail flowers			X
Lettering (only one lettering technique can be counted toward the minimum 5)			
Dots	X		
Lettering forms – fill in with dots or lines	X	X	
Printing	X	X	X
Script (cursive)		X	X
Special Effects			
Combing	X		
Grass, fur or hair	X	X	
Outline and star fill in	X		
Paper pattern	X		
Star filled pattern	X		
Stencil applications	X	X	
Color striping – either brush or spatula	X	X	
Color flow		X	
Comelli lace		X	
Figure piping		X	

Haystacks		X	
Lattice design		X	
Pine cones		X	
Pine needles and cat whiskers		X	
Piping gel	X	X	
Royal icing lace		X	
Sotas		X	
Sugar mold, solid	X	X	
Trees		X	
Wheat		X	
Airbrushing or painting			X
Austrian lace			X
Candy clay			X
Chocolate molding – flowers			X
Chocolate molding – leaves			X
Fondant, cooked			X
Fondant, rolled, cake covering			X
Fondant, rolled, flowers and decorations			X
Gum paste			X
Loops			X
Marzipan			X
Pulled sugar			X
Sculptured cake			X
Sugar mold, hollow			X
Sugar paste			X
Quilling			X
Wires with assorted decorations attached			X
Other advanced skills			X







## Project Title: Child Development

### Description:

Youth will learn about developmental stages of infants, toddlers and young children.

### State Fair Entries:

4 entries per county; one per level.

### Exhibit Guidelines:

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

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

Activities may be designed to be displayed on the floor, but please be considerate of space availability. Each item is to be labeled with the 4-H member's name, county and club so fair staff can keep all components together if it needs to be moved after judging is complete.

Notebooks are to include the following:

- Identifications on the front showing 4-H member's name, county, club, grade and year in project.
- Title page naming the activity.
- Pages explaining how activity was developed and is to be used.
- Photographs showing how the activity was used along with assembly.
- Explanation of skills learned and any additional information to share with the reader.

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

### Exhibit Class Guidelines:

#### *Level A (grades 3-4 suggested)*

Exhibit a poster, display, or notebook about a manual activity. Other similar activities are permissible.

#### *Level B (grades 5-6 suggested)*

Exhibit a poster, display, or notebook about a manual activity. Other similar activities are permissible.

*Level C (grades 7-9 suggested)*

Exhibit a poster, display, or notebook about a manual activity. Other similar activities designed to help develop physical, emotional or cognitive skills are permissible.

*Level D (grades 10-12 suggested)*

Exhibit a poster, display, or notebook about a manual activity. Other similar activities designed to help develop physical, emotional or cognitive skills are permissible.



## Project Title: **COLLECTIONS**

### Description:

The Collections project allows members to exhibit their accumulation of objects gathered for study or as a hobby.

### State Fair Entries:

County only project. No State Fair entries.

### Exhibit Guidelines:

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5)*

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

#### *Intermediate (grades 6-8)*

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

#### *Advanced (grades 9-12)*

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



Page #

4-H Member Name



### 4-H Collections Inventory

NAME OF ITEM	DATE OBTAINED	WHERE OBTAINED

(You may add to this sheet each year. Draw a line to separate one exhibition year from another.)





## Project Title: Communications

### Description:

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

### State Fair Entries:

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

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

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

Public Speaking – 3 junior and 3 senior per county.

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

### Exhibit Guidelines:

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

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

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

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

## Exhibit Class Guidelines:

### *Verbal Communication Events*

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

The following apply to all state fair communication events:

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

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

### **Demonstration**

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

### **Informative 4-H Presentation**

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

- Categories will be Junior Individual and Senior Individual.

### **Professional Persuasive Presentation**

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

### **Public Speaking**

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

### ***Creative Writing***

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

### **Creative Writing Exhibit Class Guidelines:**

#### ***Beginner (grades 3-5 suggested)***

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

#### ***Intermediate (grades 6-8 suggested)***

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

*Advanced (grades 9-12 suggested)*

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





## Project Title: Computer Science

### Description:

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

### State Fair Entries:

3 per county; one per level.

### Exhibit Guidelines:

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

Youth enrolled in the computer project will select one of the below subject categories to study, regardless of grade. Youth may choose to create an exhibit demonstrating skills learned during the year. Check with your county Purdue Extension Office to determine if a computer will be available during judging and if there will be an opportunity to explain your exhibit to the judge. Exhibits qualifying for state fair are to be submitted on a thumb drive securely attached to a notebook/portfolio describing accomplishments, skills learned, design ideas, budget, a summary of what was done, screenshots showing the development and final project, etc. as the exhibitor will not be able to discuss their work with a judge. Poster and display board exhibits are permissible. Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Display boards should be designed to sit on a table using no more than 36" of tabletop space. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff. Youth may continue in the same subject category in subsequent years expand on the previous year's topic, or choose a new topic. Subject categories are:

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

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

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

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

## Exhibit Class Guidelines:

### **Programming, Block- and Text-based Programming:**

Youth can submit programming projects in a language of their choosing. Some popular choices include, but are not limited to:

- Block-based: Scratch, Code Studio, Alice, etc.
- Text-based: Python, JavaScript, C/C++, C#, ASP.net, R, Go, Java, PHP, Perl, Ruby, etc.

Beginner – Grades 3-5 – Create a program using 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 program using 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
- Commenting
- Correct syntax
- Lists
- Functions
- Algorithms
- Modularization
- Lists
- Any other similar skill

Advanced Grades 9-12 – Create a program using 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
- Interact with databases
- Classes
- Objects
- Methods
- Inheritance
- Integrate multiple languages into one program
- Demonstrate utilization of a version control system

- Any other similar skill

## **Web Design and Computer Entrepreneurship**

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

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

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

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

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

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

## **Computer Forensics (id theft, online bullying, ethical use of technology, responsible social media use)**

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

- Media Balance and Well Being
- Privacy and Security
- Digital Footprint and Identity
- Relationships and Communication
- Cyberbullying, Digital Drama and Hate Speech

- News and Media Literacy
- Any other similar topic

Intermediate Computer Forensics – Grades 6-8 – Research and create a 6-8 minute presentation on one of the following topics. Present to a group of peers and have an adult leader verify, create a YouTube or MP4 instructional video, or printed slides and notes using PowerPoint or similar presentation software.

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

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

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

## **Hardware and Networking Design/Install/Repair**

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

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

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

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

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

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

## Graphic Design and Computer Art

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

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

## Robotics

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

### Beginner – Grades 3-5

- Create a flowchart
- Build a robot
  - Use block- or text-based program to operate
    - Sequential programs
    - Events at beginning
  - Use at least one basic sensor
- Model and demonstrate robot behaviors using a simulation environment (e.g. VEXcode VR [<https://vr.vex.com>])

### Intermediate – Grades 6-8

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

### Advanced – Grades 9-12 - Above guidelines plus:

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



## Project Title: Construction and Architectural Replica

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

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

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

All arts and craft exhibits must include a [4-H Craft Information Card, 4-H 618A](#) (see page 59). This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

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

#### *Intermediate (grades 6-8 suggested)*

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

#### *Advanced (grades 9-12 suggested)*

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



## Project Title: Consumer Clothing

### Description:

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

### State Fair Entries:

3 Notebooks per county, no clothing; one per level.

3 entries per county to model in state fair consumer clothing fashion revue, no notebook; one per level.

### Exhibit Guidelines:

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

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

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

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



### *Intermediate (grades 6-8 suggested)*

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

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

### *Advanced (grades 9-12 suggested)*

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

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

## Project Title: CROPS

### Description:

The Crops project allows members to exhibit crops they have grown or to educate the public on crops.

### State Fair Entries:

County only project. No State Fair entries.

### Exhibit Class Guidelines:

*Beginner (grades 3-5), Intermediate (grades 6-8), and Advanced (grades 9-12)*

#### **Corn Exhibit Options: choose one or more of the following**

- An age-appropriate poster or display board on the subject.
- 3 stalks of corn, including roots without soil. 4-H members must provide a bucket of water to exhibit plants in.
- 1 peck of corn harvested in the previous year. Corn should be displayed in a basket, glass jar, or similar container.

#### **Hay Exhibit Options: choose one or more of the following**

- An age-appropriate poster or display board on the subject.
- A section (14"x 18"x 3-5") of hay wrapped in clear plastic with a hole in the center.

#### **Soybean Exhibit Options: choose one or more of the following**

- An age-appropriate poster or display board on the subject.
- 5 soybean plants, including roots without soil, wrapped in cellophane.
- 1 potted soybean plant.
- 1 peck of soybeans harvested in the previous year. Soybeans should be displayed in a basket, glass jar, or similar container.

#### **Tobacco Exhibit Options: choose one or more of the following**

- An age-appropriate poster or display board on the subject.
- 1 potted tobacco plant.
- 8 stripped and dried tobacco leaves, harvested the previous year, in a bundle

#### **Wheat Exhibit Options: choose one or more of the following**

- An age-appropriate poster or display board on the subject.
- 1 peck of wheat displayed in a basket, glass jar, or similar container.

## Project Title: Cupcake Decorating

### Description:

The cupcake decorating project allows youth to utilize their artistic ability and expression as they learn decorating techniques and skills. Anyone wanting to learn baking skills should refer to the 4-H foods project.

### State Fair Entries:

County only project. No state fair entry.

### Exhibit Guidelines:

- Cupcakes exhibited must meet the specific level requirements (no more, no less) or they will be scored down.
- All cupcakes must be a standard size 2 1/2"-3" Styrofoam Dummy Cupcake or Baked. Miniature or larger cupcakes will be disqualified.
- All cupcakes do not need to be decorated identically.
- Each may be their own design as long as they meet the specific requirements.
- Entries should be made using 100% edible decorations. Icing or fondant must be used in your project.
- Items that are edible must be attached naturally.
- Accessories such as candies, licorice, gumdrops, sprinkles, etc. are acceptable.
- If using premade decorations (flowers, letters, etc.) please use as accent to design only, not as majority of decoration.
- Entries with plastic figurines and other non-edible items for decorations will be disqualified.
- Special backdrops, pictures, etc. are not allowed

### Exhibit Class Guidelines:

#### ***Level 1 (Grades 3-5 Suggested)***

Display four (4) (no more, no less) individually decorated cupcakes. Cupcakes must be displayed in a single layer, on a solid display board, covered, no larger than 12" X 16". Each cupcake must be in a paper or foil liner jacket. Each cupcake must be frosted using frosting or fondant. One (1) to four (4) different edible decorative item(s) may be used. Accessories such as candies, licorice, gumdrops, sprinkles, etc. are acceptable.

#### ***Level 2 (Grades 6-8 Suggested)***

Display six (6) to twelve (12) (no more, no less) decorated cupcakes. Any number of edible decorative items may be used per cupcake. Cupcakes must be decorated using a THEME of your choice. Cupcakes may be decorated individually or as a group, as long as the theme is carried out in your display. Each cupcake must be frosted using frosting or fondant. Accessories such as candies, licorice, gumdrops, sprinkles, etc. are acceptable. Cupcakes must be displayed in a single layer, on a solid display board, covered, no larger than 24" X 24". Cupcakes must be in a paper or foil liner jacket.

***Level 3 (Grades 9-12 Suggested)***

Display twelve (12) or more cupcakes, decorated in a theme. Any number of edible decorative items may be used per cupcake. Cupcakes may be decorated individually or as a group, as long as the theme is carried out in your display. Each cupcake must be frosted using frosting or fondant. The top as well as the sides may be decorated, but not required. Paper or foil liner jackets are not required, but may be used. The project requires a display board, covered; however, props may be used to display cupcakes (ex. cupcake tree), as long as the props fit onto the display board. Props will NOT be part of judging. Your cupcake display area must not exceed a 32" X 32" display.

## **Project Title: DOG**

### **Enrollment:**

4-H members must have their dog(s) in possession by May 15 and must be enrolled in Indiana 4-H Online by May 15 and FairEntry by June 1.

No animal may be substituted from the original animal after May 15; except in the event of illness or injury of the dog. For instance, where there are more children in a family enrolled in the project and not sufficient dogs for each member, one of the members may lease a dog.

### **Indiana 4-H Aggressive Dog Policy:**

The safety and well-being of 4-H members and volunteers is a primary concern with all Indiana 4-H Program opportunities. Families should err on the side of caution in selecting a dog for the 4-H member to exhibit. A dog that has a known history of aggression or biting is not appropriate for involvement in the 4-H Program. On occasion, the 4-H member may have difficulty managing their dog within the 4-H Program. The following guidance has been provided for the Indiana 4-H Dog Program as the owner/exhibitor of the dog bears responsibility for the dog's actions. In the subsequent policy, the term "4-H Dog Personnel" will include County 4-H Volunteers, County Extension Educators, State 4-H Staff and appropriate County and State Fair Directors.

A dog that bites a human or another dog at any 4-H Dog Event must be immediately removed from that event by the 4-H member and will subsequently be excused from the 4-H Program. The member should be directed by 4-H Dog Personnel on-site to remove the dog if the member does not do so willingly. If a determination is made by the 4-H Dog Personnel that a dog bit in self-defense, it may be allowed to remain at the 4-H Dog Event.

Dogs that display other signs of aggression, including but not limited to, barking and standing ground, growling, lunging and snapping will be give one verbal warning. They will be removed from the event after the second violation at the same event. To be removed from a 4-H Dog Event, there must be two violations at the same event.

Any dog that is removed from a 4-H Dog Event due to aggressive behavior will be placed on probation for 2 weeks. Written notification of the probation will be given to the 4-H member. The 2-week period will start upon written notification to the 4-H member. While on probation, the 4-H Dog Personnel and the 4-H member and parents will work together to determine the best course of action for the dog. This may include (but is not limited to) working individually with the dog and 4-H member, asking the 4-H member to use a different dog or having the 4-H member attend events without their dog. At the end of the designated probation period, 4-H Dog Personnel will decide regarding the dog's return to 4-H Dog Events.

Dogs that are removed from a 4-H Dog Event twice will be immediately excused from the 4-H program and will not be allowed to re-enter. Excusing a dog from the 4-H Program is rare but could be necessary for the safety of 4-H members, volunteers, and other participating dogs. Should a dog be excused from the program, it must be remembered that the action is against the dog and not the 4-H member. 4-H Dog Personnel should look at many solutions and encourage

the 4-H member to attend classes without their dog while training it at home or potentially bringing another dog to 4-H events. 4-H members will always be welcome in every other part of the dog project.

In the event that a dog is removed from a 4-H Dog Event or excused from the 4-H program, 4-H Dog Personnel should report such to the State 4-H Office so that the information is available at all county 4-H dog programs and the Indiana State Fair.

## **Dog Project Health Guidelines:**

Dog project animals must be vaccinated before the animal attends a club meeting or activity. 4-H Dog Vaccination Form (4-H-671-W) must also be completed and a copy submitted to a club leader to participate. 4-H members should also carry a copy of the form with them to dog project activities. A list of required vaccines is on the form found at:

<https://extension.purdue.edu/4-H/docs/projects/dog/dog-vaccination-form.pdf>.

## **Dog Project Guidelines:**

The 4-H Dog project encourages 4-H members to develop good character, discipline, and a feeling of self-worth while learning about canine care, responsibility, and the sport of dog showing.

- Dog Obedience - Refer to the current Showing in 4-H Dog Obedience (4-H-1009-W) publication for policies and class guidelines for exhibition. Copies are available at the Extension office.
  - Dog Obedience FairEntry Classes:
 

▪ Class 1A	▪ Class 4B
▪ Class 1B	▪ Class 5A
▪ Class 2A	▪ Class 5B
▪ Class 2B	▪ Class 6A
▪ Class 3A	▪ Class 6B
▪ Class 3B	▪ Veterans
▪ Class 4A	
- Dog Agility - Refer to the current Indiana 4-H Dog Agility Rules (4-H-1020-W) publication for policies and class guidelines for exhibition. Copies are available at the Extension office. Dogs showing in agility must also be shown in obedience.
  - Dog Agility FairEntry Classes:
    - Beginning A
    - Beginning B (On Lead)
    - Beginning B (Off Lead)
    - Intermediate A (On Lead)
    - Intermediate A (Off Lead)
    - Intermediate B (On Lead)
    - Intermediate B (Off Lead)
    - Advanced A (On Lead)
    - Advanced A (Off Lead)
    - Advanced B (On Lead)
    - Advanced B (Off Lead)
    - Veterans

- Dog Showmanship - Refer to the current Indiana 4-H Dog Showmanship Guide (4-H-716-W) publication for policies and class guidelines for exhibition. Copies are available at the Extension office.
  - Dog Showmanship FairEntry Classes:
    - Junior – 4-H members in grades 3-5
    - Intermediate – 4-H members in grades 6-8
    - Senior – 4-H members in grades 9-12



## Project Title: Electric

### Description:

The 4-H electricity and electronics program provides youth with educational information about electricity and how it can be used to benefit the human race.

### State Fair Entries:

5 electric exhibits per county, one per level

1 electronic exhibit per county, level 5

### Exhibit Guidelines:

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

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

Electric kits can be purchased at the Extension Offices. Limited quantities are available. Additional electric kits may be purchased at [EEinabox.com](http://EEinabox.com)

Youth are encouraged to complete the activities as instructed in the manual or found on the [4-H electric web page](#).

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

### Exhibit Class Guidelines:

#### Electric Level 1 (1<sup>st</sup> year in Electric)

**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. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

#### Exhibit Suggestions:

- Circuit board – 6" by 6" of Series/Parallel Circuit
- Electromagnet
- Galvanometer



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

## **Electric Level 2 (2<sup>nd</sup> year in Electric)**

**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. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

### **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 Electricity Excitement Book 1 or Investigating Electricity Book 2, Purdue Extension website Level 2 activities/project sheets, or from the appropriate level of the Skills & Knowledge Chart.

## **Requirements Electric Level 3 (3<sup>rd</sup> year in Electric)**

**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. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

### **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 (4<sup>th</sup> year in Electric)**

**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. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

**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 (5<sup>th</sup> year or more in Electric)**

**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. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

**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.

# 99 INDIANA 4-H ELECTRIC

## Electric and Electronic Skills and Knowledge Chart

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate skills and knowledge to incorporate in an electricity or electronics exhibit. **While this list is a guide, it is not meant to be an all-inclusive list.** Youth in Level 2 might feel comfortable attempting Level 5 skills, but it is unlikely that a beginner exhibitor will be able to successfully master Level 5 skills. Youth are encouraged to utilize several resources such as websites, print material, social media, and television shows when acquiring electricity/electronic skills and knowledge. Skills and knowledge learned from other types of resources can be demonstrated provided they are age/grade appropriate.

The “X” indicates **suggested level** to acquire respective skill or knowledge. Exhibits must include a minimum of 5 techniques from their level indicated in the chart below. They may include additional techniques from other levels as deemed appropriate, but will be evaluated for quality. For example, Level 3 exhibitors may use any techniques found in Level 1 or 2 but the exhibit must include a minimum of 5 Level 3 techniques, either demonstrated or explained.

Skills to be Attained	Level	1	2	3	4	5
Utilizes safety equipment		X				
Demonstrate decision making		X				
Identify electrical parts		X				
Recognize potential dangers and how to avoid them		X				
Explain the concept of circuits - series and parallel		X				
Analyze function of electric parts		X				
Diagnose problems and make basic repairs		X	X			
Recognize electrical connection types and how to make them		X	X			
Identify tools and their use		X	X			
Recognize the relationship of electricity and magnetism		X	X			
Soldering techniques		X	X			
Understand volts		X	X			
Strip wire properly		X	X			
Recognize the polarity of components		X	X			
Learn how to read pictorial diagram		X	X			
Understand simple motors		X	X			
Understand battery voltages		X	X			
Identify diode rectification			X			
Define and measure ohms			X			
Clarify what components do			X			

Distinguish between alternating and direct currents		X			
Understand conductors and insulators		X			
Identify analog and digital multi-meter		X			
Use multi-meter, etc.		X			
Understand concept of transformer		X			
Applying a wire nut		X	X		
Understand amps and ampacity			X		
Differentiate wire - sizes, types, uses, and colors			X		
Identify a ground			X		
Identify a neutral			X		
Interpret circuits			X		
Read simple schematics			X		
Estimate budget			X		
Execute project planning			X		
Calculate circuit loads			X	X	
Understand voltage drop in a conductor			X	X	
Demonstrate mathematic concepts			X	X	
Understand plug configurations			X	X	
Use crimp-on terminals			X	X	
Measure wattage of lighting			X	X	
Identify polarized vs. Non-polarized plug configuration			X	X	
Understand direct and reflected glare			X	X	
Identify methods of lighting			X	X	
Identify bulb types			X	X	
Understand strain relief of cords			X	X	
Understand kilowatt hour consumption			X	X	
Identify circuit breaker concepts, overload devices			X	X	
Identify underwriters knot				X	
Identify and understand how outlets, switches, and lights work				X	X
Distinguish color of lighting				X	X
Analyze quality of lighting				X	X
Measure quantity of lighting				X	X
Understand electricity production - friction, heat, light, piezo, chemical, magnetic				X	X
Understand proper installation of outlets.				X	X
Understand proper installation of switches.				X	X
Understand proper installation of lighting.				X	X
Understand proper routing & fastening of wire.				X	X
Understand use & securing of conduit.				X	X
Understand bonding of metal components.				X	X
Design a complete branch or feeder circuit.					X

Demonstrate/utilize use of specialized tools. (Knockout kit, Conduit bender, Rotary cutter, Cat 5/5E Crimp tool, Fiber splicer, etc.)					X
Research career opportunities in electric and electronics					X
Identify renewable energy types and how they work					X
Explain electron theory					X
Understand primary vs secondary electricity uses					X
Exhibit awareness and understanding of bouncing voltage (loose neutral)					X
Understand electronics coding, motherboard creating, etc.					X
Understand motors and generators					X
Understand single phase vs three phase					X
Describe the difference between electric and electronic					X
Understand what inverters are and how they work					X
Identify ground rods and their purpose					X
Understand misdirected neutral current					X
Complete basic home wiring					X
Demonstrate mathematics for doing circuits - Boolean algebra					X
Design schematics					X
Repair small appliances					X
Understand National Electrical Code					X
Understand ground fault circuit interrupters; why and how it works					X
Understand arc fault circuit interrupters; why and how it works					X
Explore the concept of engineering; how parts and pieces come together to make a whole					X
Understand small appliance wiring					X
Utilize heat shrink tubing - insulation					X
Public Speaking					X
Audio/Video Presentation					
<ul style="list-style-type: none"> <li>• Planning/Organizing</li> </ul>					X
<ul style="list-style-type: none"> <li>• Editing</li> </ul>					X
Communication Skills					X



# INDIANA 4-H ELECTRIC

## Electric and Electronic Exhibit Skills and Knowledge Sheet

Name \_\_\_\_\_ Club/County \_\_\_\_\_

Level:  1  2  3  4  5

(Projects must demonstrate/explain a minimum of five skills for the appropriate level from the Indiana 4-H Electric and Electronic Skills and Knowledge Chart)

### Skills/Knowledge:

Note to judge - While the entire exhibit is to be evaluated and critiqued, special attention and consideration is to be given to the five skills or explanations of knowledge listed below.

1.

2.

3.

4.

5.

### Other information about your project:

(include information such as safety equipment used, hazards identified, or wiring diagrams)







## Project Title: Entomology

### Description:

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

### State Fair Entries:

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

### Educational Exhibit Guidelines:

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

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

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

### Collection Exhibit Guidelines:

Collections are to include the following:

- Title as Insect Collection year in Entomology
- Order – refer to ID-401, page 57.
- Display – mounted insects are to have been legally and personally collected in the United States and displayed in an 18"x24" collection box displayed horizontally. Collections including multiple boxes are to be numbered 1 of 3, etc. ID 401 A-F cards (for Beginner and Intermediate) and 401-I cards (for Advanced) are to be placed inside the display box in an attractive manner.
- Identification – Collection display boxes are expected to contain the specified number of insects, families, and orders specified (see chart below). All insects must be in the adult stage and be properly mounted on insect pins or be contained in vials as directed.
- Pin Labels - Each pin or vial must contain two labels:
  - 1) Top label is to include collection date, location, and collector name.
  - 2) Bottom label is to include common name and other optional identification data.
- Box Labels – Box labels (computer generated or neatly printed) are used for orders and families as required (see chart below) and are to be placed flat against the bottom of the box. Insects must be properly grouped directly under the correct order and family label. For example, all insects belonging to a particular order must be placed under that order label. Orders to be used are listed in the reference book ID- 401. If family level identification is required, the insects should be further grouped together under the correct family label.

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

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

## Monarch Butterfly Statement:

**Q:** Many have noticed the decrease in number of Monarch butterflies both in Indiana and throughout the country and wonder if and how Entomology at Purdue is responding. Are 4-H and youth still required to catch these endangered insects for their collection boxes?

**A:** Monarch butterflies are now officially on the threatened species list. While we know that collecting Monarch butterflies for 4-H collections or displays does not constitute a significant risk to their population when compared to the effects of climate change, pesticide contamination and habitat loss, capitalizing on this opportunity to discuss their decline is an excellent way to bring public focus to this important issue. We want our youth (and all IN citizens) to recognize the Monarch butterfly, understand its biology and be empathetic to its conservation.

Therefore, we have instituted the following update to our youth and 4H Entomology programs. Effective immediately, we no longer encourage students to ‘collect’ Monarch butterflies for exhibits, displays or 4-H insect collections. But, rather than simply removing the Monarch butterfly from the list of 150 insects that 4-H students are to recognize, we want to highlight it so that students really do learn to recognize them and understand their peril. After all, the more we are familiar with this species, the more apt we will be to assist and support the conservation of this iconic species.

Link to a recent article from our Department pertaining to Monarch butterflies

[\(https://www.purduelandscapereport.org/article/where-have-all-the-monarch-butterflies-gone/\)](https://www.purduelandscapereport.org/article/where-have-all-the-monarch-butterflies-gone/)

## Spotted Lanternfly Statement

**Q:** Are there any new changes to rules or directions for the 4H or FFA youth projects or competitions that students and coaches should look for?

**A:** To keep the youth Career Development (CDE judging) and 4-H collection projects current, it is important to occasionally add new insects to the list. Due to the invasion of a serious new insect pest throughout the Midwest called the Spotted Lanternfly, we have added it to the list of insects found in the “How to Make an Awesome insect Collection and (ID-401) and Who Let the Bugs Out (ID-402) extension resources. Please be aware that students are now expected to identify and understand its biology and behavior as well as its potential impact in Agriculture.

Indiana 4-H Youth Development partners with Purdue University academic departments to develop 4-H project guidelines. The Monarch butterfly and Spotted Lanternfly statements are provided by Dr. Timothy J. Gibb, Department of Entomology.

## Exhibit Class Guidelines:

### *Beginner (1<sup>st</sup>-3<sup>rd</sup> Year in Entomology)*

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

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

### *Intermediate (4<sup>th</sup>-6<sup>th</sup> Year in Entomology)*

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

Year in Entomology	Collection Information	Total Boxes
4 <sup>th</sup> year	40 insects, exhibit a minimum of 6 orders, mounted (pins or vials). Identify all insects by common name and order. Include ID 401D.	2
5 <sup>th</sup> year	50 insects, exhibit a minimum of 8 orders, mounted (pins or vials). Identify all insects by common name and order. Identify ten (10) to family. Include card ID 401E.	2
6 <sup>th</sup> year	60 insects, exhibit a minimum of 10 orders, mounted (pins or vials). Identify all insects by common name and order. Identify 30 to family. Include card ID 401F.	2

### *Advanced (7<sup>th</sup>-10<sup>th</sup> Year in Entomology)*

Create a collection based on the year in Entomology or an educational exhibit. Advanced level insect collections are to also include an education box, for a total of four boxes. Advanced level youth may instead create an independent study topic of choice.

Year in Entomology	Collection Information	Total Boxes
7 <sup>th</sup> year	70 insects, exhibit a minimum of 12 orders, mounted (pins or vials). Identify all insects by common name, order, and family. One educational box, theme: insect behavior. Include card ID 401I. (1-3 collection boxes plus 1 educational box*). Place ID 401I in first collection box only.  Card ID 401I download	3

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

## **Project Title: Farm Toy Scene**

### **Description:**

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

### **State Fair Entries:**

County only project. No state fair entry, however may be considered as a state fair Construction and Architectural Replica project.

### **Exhibit Guidelines:**

Farm scenes can be constructed from any materials. The product should be constructed to scale as much as possible. Consider adding a clear cover to protect the exhibit while being displayed to the public. This exhibit will most likely be displayed on an 8' long table top with two or three exhibits per table.

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

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

### **Exhibit Class Guidelines:**

#### ***Beginner (grades 3-5 suggested)***

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

#### ***Intermediate (grades 6-8 suggested)***

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

#### ***Advanced (grades 9-12 suggested)***

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

### ***FairEntry:***

Exhibits should be entered in FairEntry as "Static Projects-County Only-Farm Toy Scene"



## Project Title: Fashion Revue

### Description:

This project teaches youth skills to present themselves in a professional manner by providing an opportunity for youth to model the outfit constructed in the 4-H sewing project.

### State Fair Entries:

6 senior exhibits per county with no more than two exhibits per category. An exhibitor may participate in only one senior fashion revue category at state fair.

Note – State fair fashion revue grand champion will be selected from the six senior sewing category champions modeling their sewn garment or outfit plus the advanced consumer clothing champion modeling their purchased outfit.

### Exhibit Guidelines:

All garments and outfits modeled in Fashion Revue, except consumer clothing entries, 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.

**DEFINITION OF AN OUTFIT:** An outfit is a garment or garments that when put together make a complete look - such as one or two piece dress, or one or two piece pant suit, or a three piece combination, such as pants, vest, and blouse or shirt.

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

### Exhibit Class Guidelines:

#### *Junior (grades 3-7 suggested)*

Model the garment or outfit constructed for the sewing project. Accessories may be purchased or selected from what you currently have.

#### *Senior Categories (grades 8-12 suggested)*

**Informal or Casual Wear:** A complete outfit of 1 or 2 pieces suitable for school, weekend, or casual, informal activities. In this category, a complete outfit is defined as a garment or garments that when put together make a complete look - such as one or two piece dress, or one or two piece pant suit, or a combination, such as pants, vest, blouse or shirt.

**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. A complete outfit is defined as a garment or garments that when put together make a complete look -

such as one or two piece dress, or one or two piece pant suit, or a three piece combination, such as pants, vest, and blouse or shirt. Individual garment 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. In this category, a complete outfit is defined as a garment or garments that when put together make a complete look - a three piece combination, such as pants, vest, and blouse or shirt. 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.



## Project Title: Fine Arts

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

All arts and craft exhibits must include a [4-H Craft Information Card, 4-H 618A](#) (see page 59). This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create and exhibit one age/grade appropriate artwork.

#### *Intermediate (grades 6-8 suggested)*

Create and exhibit one age/grade appropriate artwork.

#### *Advanced (grades 9-12 suggested)*

Create and exhibit one age/grade appropriate artwork.





## Project Title: Floriculture

### Description:

Youth will learn basic information and skills needed to grow healthy plants and flowers as well as floral design techniques.

### State Fair Entries:

8 floral exhibits per county, 2 per level

4 educational exhibits per county, 1 per level

### Exhibit Guidelines:

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

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

Floral arrangements can be constructed using fresh flowers and greenery grown yourself or purchased, flowers and greenery dried yourself or purchased, or artificial flowers or greenery.

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

### Exhibit Class Guidelines:

#### *Level A (grades 3-4 suggested)*

Floral Option - Create a simple bud vase (1-3 stems of main flower plus appropriate filler and/or greenery) or simple round arrangement (small, compact round cluster of flowers plus appropriate filler and/or greenery).

Educational Display Option – Create a poster, notebook or display about one of the following:

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.
6. Explore and explain how to care for a 'sick' plant.
7. Report on interview with a floriculture professional (what do they do, types of jobs, type of training, hours worked, etc.)
8. Describe an experiment you did and the results.
9. Describe a community service project you did related to your flowers project.
10. Another similar activity.

### *Level B (grades 5-6 suggested)*

Floral Option – Create a mixed planter that includes 3 or more kinds of plants, make an item from dried plants, or display a house plant (flowering or non-flowering) you've grown.

Educational Display Option – Create a poster, notebook or display about one of the following:

1. Report how you harvested your flowers and/or herbs, cared for them, dried them, and used them.
2. Explore and explain: insects and your flowers and/or herbs.
3. Explore and explain: starting seeds indoors -- the process and pros and cons.
4. Explore and explain: perennials -- what are they, how are they used, benefits or drawbacks.
5. Investigate and describe a butterfly garden -- what types of plants, benefits to insects and butterflies, etc.
6. Describe how you planned or designed your garden, including how you chose the kinds of plants, any problems, successes.
7. Describe your houseplant - how you cared for, transplanted to larger pot, any problems, or successes.
8. Explore and explain: plant biology -- form and function, growth, photosynthesis, etc.
9. Explore and explain: how to grow plants indoors -- things to consider, common problems and solutions.
10. Explore and explain: environmental effects related to plants (such as light, water, soil, or temperature).
11. Describe an experiment you did and the results.
12. Explore and explain topics from "Imagine That" -- plants around the world, information about different cultural uses of plants, different ways you used your plants/herbs/flowers.
13. Another similar activity.

### *Level C (grades 7-9 suggested)*

Floral Option – Create a terrarium, combination or European planter (3 or more kinds of plants), corsage, boutonniere, or specialty arrangement in a container (using dried flowers, roses, or lilies as the primary content).

Educational Display Option – Create a poster, notebook or display about one of the following:

1. Explore and explain: vegetative propagation -- how to, different types, problems and solutions, different uses of.
2. Explore and explain: plant nutrients -- what are they, why does the plant need them, what happens if the plant has too much or too little, planters or containers vs. garden.

3. Investigate the design of multiple plant containers -- how to, things to consider, selecting plant materials, uses of.
4. Describe how you created your corsage or boutonnieres; or dried arrangement. Be sure to include appropriate information on design principles and how they are used to create your arrangement.
5. Explore and explain: floral tools and materials (how to use, what they are, care of tools, different uses of a tool or material).
6. Explore and explain: preserving cut flowers -- how, problems, uses of and/or diseases related to cut flowers.
7. Illustrate, explore and explain how you dry flowers or other plant materials and/or describe different methods and/or how, why use them.
8. Explore and explain: medicinal uses and toxicity of fresh and dried flowers and plants.
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.
12. Another similar activity.

### *Level D (grades 10-12 suggested)*

Floral Option – Create a seasonal arrangement, modern or contemporary arrangement, bridal bouquet, special occasion centerpiece, or plant you have propagated and grown yourself.

Educational Display Option – Create a poster, notebook or display about one of the following:

1. Describe how you created your arrangement, include information on the design principles utilized.
2. Explore and explain how you utilize different flowers to make a similar style arrangement for different seasons (tulips in spring, mums in fall, etc.) or how to utilize similar flowers to make different styles of arrangements.
3. Explore and explain: the cost of arrangement and/or a cost comparison with flowers (different types flowers, different time year, etc.).
4. Explore and explain: forcing flowers (bulbs, branches, etc.).
5. Explore and explain: marketing in the floral industry (large or small business) and/ or a market survey and results, and how they can benefit the floral industry.
6. Explore and explain: how to start a business related to the floral industry and may include a business plan.
7. Explore and explain the origins of flowers and/or the floriculture industry around the world.
8. Explore and explain: tissue culture, biotechnology, or traditional breeding of new flower types -- what are they, how are they used, pros and cons.
9. Explore and explain: be a plant detective -- what kinds of problems might you have in growing and caring for flowers, and how to solve.
10. Describe an experiment you did and the results.
11. Describe a community service activity you did related to your flowers project: how, why, results.
12. Another similar activity.



## Project Title: Foods, Baked

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

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

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

### Purdue Extension Food Safety Policy (revised 10/2022):

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

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

*Recipes must be provided that identifies all ingredients that were used in each part of the product. Any ingredient that could be a potential allergen must be clearly identified. Potential food allergens include, but are not limited to, milk, eggs, peanuts, tree nuts, fish, crustacean shellfish, wheat, soy and sesame. Each food product must be labeled with the following information:*

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

*from enrollment if needed)*

- *Date the food product was made*

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

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

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

A completed recipe card is to be submitted with each exhibit. Recipe cards are for judging purposes only and will not be returned to the exhibitor. Laminating, wrapping the recipe card in plastic, or placing it in a clear plastic bag is optional. Since it is illegal in the State of Indiana for youth under the age of 21 to purchase or consume alcoholic beverages, 4-H members are to use recipes that do not include an alcoholic beverage as an ingredient. A suitable non-alcoholic or imitation product may be substituted.

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

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

Perishable baked exhibits entered for state fair competition will not be displayed and instead will be donated to a central Indiana homeless shelter.

## Exhibit Class Guidelines:

### *Level A (grades 3-4 suggested)*

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

- Three uniced snack sized cookies.
- Three standard sized unlined muffins.

- Three standard sized unlined muffins containing an ingredient that is a source of Vitamin A or C.
- Three snack sized granola bars.
- Three snack sized brownies or blondies.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.

### *Level B (grades 5-6 suggested)*

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

- A single layer cake without frosting.
- A single layer reduced-fat cake without frosting. Reduce the amount of fat in the recipe by using a fruit puree or baby food fruit product that does not contain yogurt.
- A standard loaf-sized quick bread.
- A standard loaf-sized quick bread containing an ingredient that is a source of Vitamin A or C.
- A coffee-cake.
- A coffee-cake containing an ingredient that is a source of Vitamin A or C.
- Three biscuits or scones that are plain, sweet or savory.
- Three biscuits or scones that are plain, sweet or savory using a whole grain flour mixture.
- Three biscuits or scones that are plain, sweet or savory containing an ingredient that is a source of Vitamin A or C.
- Three no-yeast, any shape pretzels (shaped, stick or nugget).
- Three no-yeast, any shape pretzel with a whole grain flour mixture (shaped, stick or nugget).
- Three no-yeast breadsticks.
- Three no-yeast cinnamon rolls or other flavored roll without icing or glaze.
- A no-yeast sweet bread without icing or glaze.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.

### *Level C (grades 7-9 suggested)*

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

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

out of the oven.

- One package of an, invented healthy snack (such as a granola bar, popcornsnack, trail mix, etc.). Your snack must include at least 2 food groups from MyPlate. Exhibit must include your snack product and a separate folder containing a marketing plan with product name, recipe, how it will be packaged, a package design, where it will be sold and suggested selling price. Style your snack for a photo shoot and include the picture in your marketing plan. Label should include product name, date, quantity, and serving size.
- Prepare an entrée casserole that meets three MyPlate requirements for a meal. Use care when transporting to prevent spoilage. Judges are not expecting this casserole to be presented hot out of the oven.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any similar baked item.

### *Level D (grades 10-12 suggested)*

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

- A single or double crust baked fruit pie (no graham cracker crust). (Note: Custards, cream, cream cheese frosting and fillings, and raw egg white frosting are not acceptable in an exhibit because they are highly perishable when left at room temperatures.)
- A baked food product for a catered meal or special event in which organizers have requested low fat and/or reduced sugar items. Exhibit will include your food product and a notebook outlining how this product is to be used at the event, menu, supplies to buy, preparation schedule, equipment, table layout, etc. A table display is optional.
- Select a condition in which people have to specifically modify their eating habits (diabetes, heart disease, Celiac disease, food allergies, etc.) Prepare a baked food product appropriate for someone with this condition. Exhibit will include your food product and a notebook summarizing the condition or allergy, nutrition considerations involved with the condition, a description of your baked item, and an explanation of how it fits within the nutrition considerations. Make sure to note any ingredients that could cause an allergic reaction.
- Prepare an entrée casserole that meets four MyPlate requirements for a meal. Use care when transporting to prevent spoilage. Judges are not expecting this casserole to be presented hot out of the oven.
- An international or ethnic food of choice. This may be a cold or hot product. Use care when transporting to prevent spoilage. Judges are not expecting this product to be presented hot out of the oven.
- A specialty pastry.
- Create a baking mix and provide a sample of the baked product. Include an index card with instructions, wet ingredients needed, and baking instructions.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar baked item.



## Project Title: Foods, Preserved

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

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

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

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

### Purdue Extension Food Safety Policy (revised 10/2022):

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

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

*Recipes must be provided that identifies all ingredients that were used in each part of the product. Any ingredient that could be a potential allergen must be clearly identified. Potential food allergens include, but are not limited to, milk, eggs, peanuts, tree nuts, fish, crustacean shellfish, wheat, soy and sesame. Each food product must be labeled with the following information:*

- Name



- *Address (4-H member information can be taken from enrollment if needed)*
- *Contact information (phone and/or email address; 4-H member information can be taken from enrollment if needed)*
- *Date the food product was made*

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

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

A completed recipe card is to be submitted with each exhibit. Recipe cards are for judging purposes only and will not be returned to the exhibitor. Laminating, wrapping the recipe card in plastic, or placing it in a clear plastic bag is optional. Since it is illegal in the State of Indiana for youth under the age of 21 to purchase or consume alcoholic beverages, 4-H members are to use recipes that do not include an alcoholic beverage as an ingredient. A suitable non-alcoholic or imitation product may be substituted.

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

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

Frozen exhibits entered for state fair competition will not be displayed and instead will be donated to a central Indiana homeless shelter. Home-canned exhibits will be displayed but will be disposed at the state fair's conclusion.

## Exhibit Class Guidelines:

### *Level A (grades 3-4 suggested)*

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

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

containers will not be returned.) Include index card with recipe and instructions for cooking or defrosting. Label with name of product, quantity, and date frozen.

- One package of dehydrated fruit or vegetable. Display in an appropriate bag or container. Include index card with recipe and instructions for cooking or defrosting. Label with name of product, quantity, and date dehydrated.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.

### *Level B (grades 5-6 suggested)*

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

- One uncooked frozen mini-pizza using whole-grain pita bread, English muffin, bagel, or already prepared crust (no larger than 7" in diameter) with toppings of your choice. Include at least 4 MyPlate food groups on your pizza. Meat toppings such as hamburger, sausage, bacon, etc. must be cooked. Display on covered cardboard inside freezer bag. Include index card with recipe and instructions for cooking. Label with name of product, quantity, and date frozen.
- One package of any frozen vegetable or combination vegetables. Display in freezer bag or freezer container. (NOTE: Freezer containers will not be returned.) Include index card with instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- One container of frozen fruit or vegetable juice. Include index card with instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- One container of frozen soup. Include index card with recipe and instructions for defrosting and cooking. Label with name of product, quantity, and date frozen.
- A frozen ready-to-eat breakfast sandwich, burrito or similar item. Display on covered cardboard inside freezer bag. Include index card with recipe and instructions for cooking. Label with name of product, quantity, and date frozen.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.

### *Level C (grades 7-9 suggested)*

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

- One (1) container of freezer jam. Include index card with recipe and instructions for storing. Label with name of product, quantity, and date frozen.
- One jar of a canned tomato product using the Hot Pack Method for a boiling water bath canner, such as tomato juice, catsup, barbecue sauce, or salsa. Include index card with recipe and instructions for cooking or using the product. Label with name of product, quantity, and date canned. Canned products must have the ring on the jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**
- One jar of a canned pickled product or canned pickles. Include index card with recipe, processing, and storage instructions. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Canned products must have the ring on the

jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**

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

### *Level D (grades 10-12 suggested)*

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

- One jar of pressure canned vegetables, meat or combination product, such as soup, stew, spaghetti sauce with meat, etc. Include index card with recipe and instructions for cooking or using the product. (Products using a fancy pack are not accepted.) Label with name of product, quantity, and date canned. Canned products must have the ring on the jar top to protect the seal. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**
- One package of a combination food frozen entree in freezer container. The combination food should contain 3 food groups from MyPlate. Exhibit should include an index card with recipe and instructions for reheating. Display in disposable containers. No containers will be returned. Label with name of product, quantity, and date frozen.
- A jar of cooked jam or a reduced-sugar fruit spread. Include recipe card. Label with name of product, quantity, and date made. **Note: Only food preservation products made using USDA approved recipes and techniques are acceptable.**
- One container of a thaw and eat frozen prepared appetizer. Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.
- One container of a thaw and eat frozen prepared dessert. Include index card with recipe and instructions for defrosting. Label with name of product, quantity, and date frozen.
- An educational poster, notebook or display about a food or nutrition topic of choice that is age/grade appropriate.
- Any other similar preserved item.



## 4-H Food Recipe Card

Name: \_\_\_\_\_ County: \_\_\_\_\_

Project Level \_\_\_A\_\_\_B\_\_\_C\_\_\_D \_\_\_Baked\_\_\_ Preserved Exhibit

Name of Recipe: \_\_\_\_\_ Recipe Source: \_\_\_\_\_

Date Product was Made \_\_\_\_\_

Prep Time: \_\_\_\_\_ minutes

Cook Time: \_\_\_\_\_ minutes

Recipe Yield: \_\_\_\_\_ Serving size: \_\_\_\_\_

This should include all of the ingredients and their measurements, as well as the full instructions of how to make the dish. Directions should include detailed preparation method: mix, bake, preserve, and safe storage instructions.

**Ingredients and Amount:**

List any ingredients that could potentially cause an allergic reaction:

**Directions:** Prep, mix, bake or preserve, and safe storage. Number, in order, steps to prepare.

For a preserved exhibit, list directions required to consume this product. Number, in order, steps to prepare.





## Project Title: Forestry

### Description:

This project teaches youth natural resources and forestry related skills.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any forestry topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any forestry topic of choice that is age/grade appropriate.

#### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any forestry topic of choice that is age/grade appropriate, prepare a herbarium collection that contains at least 25 native Indiana forest leaves, or prepare a herbarium collection that contains at least 25 native Indiana forest shrubs. Youth can also design and complete an independent study activity.

Herbarium Collections - 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 1/2" x 16 1/2" paper. One leaf on the twig must be mounted to show the back side of the leaf. Label each sheet with the following: common name, scientific name, where collected, county where collected, date collected, name

of collector, and specimen number. Cover each specimen. There are no specific references given for these exhibits. Youth are encouraged to use Extension publications, the Internet, books, and forest specialists when collecting and identifying specimens. The herbarium collection must be accessible to the judges. Do not cover it under the plastic that covers your poster. Youth may want to attach a folder or other holder over your poster to hold the mounted, covered specimens.





## Project Title: Garden

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

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

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

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

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

Vegetable exhibits entered for state fair competition will not be displayed and instead will be donated to a central Indiana food bank.

### Exhibit Class Guidelines:

#### *Level A (grades 3-4 suggested)*

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

### *Level B (grades 5-6 suggested)*

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

### *Level C (grades 7-9 suggested)*

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

### *Level D (grades 10-12 suggested)*

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

## Garden Collection Option

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

## Single Vegetable Option

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

<b>Vegetable</b>	<b>Plated Display Description</b>
Asparagus	Asparagus, 5 spears
Beans	Cowpea, black-eyed pea, southern pea, etc., 10 pods or ½ cup shelled
Beans	Snap, Green or Wax, 10 pods
Beans	Lima-large or small - 10 pods or ½ cup shelled
Beans	Navy, kidney, shell out, etc.-1/2 cup shelled
Beets	Round, flat, and long types, 3
Broccoli	Broccoli, 1 head
Broccoli raab	Broccoli raab, 3 heads
Brussels sprouts	Brussels sprouts, 5 heads
Cabbage	Chinese type (bok choy or pak choi), 1 head
Cabbage	Chinese type (napa cabbage), 1 head
Cabbage	Round, Flat or Pointed type, 1 head
Carrots	Carrots, 3
Cauliflower	Cauliflower, 1 head
Celery	Celery, 1 bunch
Chard	Chard, 10 bundled leaves
Collards	Collards, 10 bundled leaves
Corn	Sweet-yellow, white or bicolor, 3 ears
Cucumbers	Dill, Pickling, 3
Cucumbers	English or hothouse, 1
Cucumbers	Slicing with seeds, 3
Eggplant	Eggplant, 1

Kale	Kale, 10 bundled leaves
Kohlrabi	Kohlrabi, 3
Muskmelon	Muskmelon (cantaloupe), 1
Okra	Okra, 3 pods
Onions	Green, 5 onions in a bunch
Onions	Red, Yellow or White, 3
Parsnip	Parsnips, tops off, 3
Peas	Peas, edible pod such as snow peas ,10 pods
Peas	Peas, unshelled, 10 pods
Peppers	Bell type, 3
Peppers	Chili type, 3
Peppers	Serrano type, 3
Peppers	Banana/Long/Wax/Hungarian type, 3
Peppers	Pimiento type (red), 3
Peppers	Cayenne type, 3
Peppers	Jalapeno type, 3
Peppers	Cherry type, 3
Peppers	New Mexican, long green, Anaheim type, 3
Peppers	Ancho type, 3
Peppers	Tabasco type, 3
Peppers	Habanero type, 3
Potato	Potatoes, any color, 3
Pumpkin	Pumpkin, (other), 1
Pumpkin	Table, Canning, or Ornamental, 1
Radishes	Radishes, 5
Rhubarb	Rhubarb, 3 stalks bundled
Rutabaga	Rutabaga, 3
Spinach	Spinach, 10 bundled leaves
Squash	Banana, or other large winter squash type, 1
Squash	Buttercups, Turbans, 1
Squash	Butternut, 1
Squash	Cushaw, 1
Squash	Hubbards – blue, green or golden, 1
Squash	Scallops/Patty Pans, 1
Squash	Straight or crookneck – i.e. summer squash, 1
Squash	Acorn, 1
Squash	Zucchini or cocozelle, 1
Sweet Potato	Sweet potatoes, 3
Tomatillos	Tomatillos, 3
Turnips	Turnips, 3
Watermelon	Watermelon, 1
Any Other Vegetable	Any vegetable not listed above, include 1-3 specimens

## Herb Option

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

<b>Herb Name and Description</b>
Basil ( <i>Ocimum basilicum</i> ) "all edible types"
Catnip ( <i>Nepeta cataria</i> ) "all edible types"
Chamomile ( <i>Chamaemelum nobile</i> ) "all edible types"
Chives ( <i>Allium schoenoprasum</i> ) "all edible types"
Coriander or Cilantro ( <i>Coriandrum sativum</i> ) "all edible types"
Dill ( <i>Anethum graveolens</i> )
French tarragon ( <i>Artemisia dracunculus</i> )
Lavender ( <i>Lavendula</i> sp.) "all edible types"
Mint ( <i>Mentha</i> sp.) "all edible types"
Oregano ( <i>Origanum vulgare</i> )
Parsley ( <i>Petroselinum crispum</i> ) "all edible types"
Rosemary ( <i>Rosemarinus officinalis</i> )
Sage ( <i>Salvia officinalis</i> )
Sweet Marjoram ( <i>Origanum majorana</i> )
Thyme ( <i>Thymus vulgaris</i> ) "all edible types"
Any Other Herb

## Potato Tray Option

Display from the list below approximately 30 potatoes you have grown and cared for in a 12 1/2" x18" tray. A tray will be provided when checking-in potato exhibits at state fair.

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

## Tomato Plate Option

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

<b>Tomato Description</b>
Pink or purple, 3
Red (for canning), 3
Red (for market), 3
Roma or paste type, 3
Intermediate type, 10
Small Cherry or Pear, 10
Yellow or orange, 3
Green, 3 (County Only Category)

## Educational Exhibit Option

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



## Project Title: Genealogy

### Description:

This project helps young people know where their ancestors resided, traveled, and developed some family tradition.

### State Fair Entries:

5 entries per county; one per division.

### Exhibit Guidelines:

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

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

*Note – Youth may consolidate information in order to have fewer notebooks. In this case indicate on the cover the notebook numbers included and use dividers to separate information by notebook number as well as contents as indicated below.*

Notebooks should be tabbed and in the following order (tabs are to be easily visible to the reviewer):

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

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

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

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



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

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

All posters, notebooks, and display boards must include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H members exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. Reference notations are to be made in the “source” column of the Family Group Sheet and on each document.

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

After exhibiting the 1<sup>st</sup> 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” -ring (D-ring type suggested) 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” -ring (D-ring type suggested) 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.

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

## Exhibit Class Guidelines:



## *Division 1 (1<sup>st</sup> year in project suggested)*

1. Exhibit notebook that includes the following:

- Book #1
  - An Introduction page with a recent photograph of yourself.
  - Completed three-generation pedigree chart. This includes you, your parents, and your grandparents, ancestors #1 through #7. Put all surnames in capital letters and all dates in military form (12 July 1974). Give each person a number, as described in the "Recording the Information" section of the Indiana 4-H Genealogy Resource Guide 4-H 748. **You must use the pedigree charts listed at the [www.extension.purdue.edu/4-H](http://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 generations. Documents must be labeled with ancestor name and ancestor number. Pictures need to be labeled with ancestor name, plus names of all known people, place and date picture was taken, as well as ancestor numbers.

## *Division 2 (2<sup>nd</sup> year in project suggested)*

- Exhibit notebook that includes the following:
  - Book #1
    - Four-generation pedigree chart. This would include you, your parents, grandparents, and great-grandparents, ancestors #1 through #15. **You must use the pedigree charts listed at [www.extension.purdue.edu/4-H](http://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 group sheets (see section "Recording the Information" in the Indiana 4-H Genealogy Resource Guide 4-H 748).
  - Book #2 (Ancestors 8-15 information)
    - An additional information worksheet for each set of great grandparents.
    - A diary of your work
  - Book #3 (Ancestors 8-15 information)
    - Any photographs taken of tombstones of your ancestors and their children. Please document location of tombstone(s) and label with ancestor name, ancestor number, and date photo was taken. Rubbings are acceptable in lieu of photographs.
    - Any other documents or pictures pertaining to these generations, correctly labeled.



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

### *Division 3 (3<sup>rd</sup> year in project suggested)*

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

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

### *Division 4 (4<sup>th</sup> year in project suggested)*

- Exhibit a notebook(s) that includes the following:
  - Book #1
    - Six-generation pedigree charts, ancestors #1 through #63. Computer programs do not generally print chart numbers, so if you are using a computer program, make sure you have the correct number of ancestors. **You must use the pedigree charts listed at [www.extension.purdue.edu/4-H](http://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 section "Recording the Information").
  - Book #2 (Ancestors 32-63 information)
    - Additional information worksheets
    - A diary of your work
  - Book #3 (Ancestors 32-63 information)
    - A copy of a photograph or a story of a sixth-generation ancestor. Include information about the date when the photograph was taken, how or where you found it and what's happening in it or why it was taken. If this is unavailable, write a story about the historical period during





which your sixth generation ancestor was living.

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

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

### *Advanced (5<sup>th</sup> year and above in project suggested)*

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

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

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

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

- A migration map of your eight-generation ancestors. You should have at least one map per family line with charts or explanations of the migrations.
- 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.
- A census history of a family line. Census abstract forms can be found on several websites.



Download forms to abstract the census. Your notebook should contain copies of the census and the completed abstract form for each census.

- D. A history of your family's religious background for any family line or lines. Include a brief history of the denomination. Include baptism, confirmation or profession of faith and membership records. Also include information or history of the congregations involved. Be sure to include proper labels and sources.
- E. A history of your family's military service for a family line. Include supporting documents when possible. These documents could include military records, (muster rolls, discharge papers, etc.), pension records, and bounty land records, as well as maps and pictures. Be sure to include proper labels and sources.
- F. A research paper on a famous ancestor. Prove your relationship to this person with documentation. Try to include pictures and anecdotes to enhance your paper.
- G. Complete a family line or lines back as many generations as possible beyond eight generations (ancestors 256 and beyond). Include pictures, maps and documents. Be sure to include proper labels and sources.
- H. A timeline historical report of another family line not previously completed. Document as well as possible as in Option B. You need to state at the beginning that this is a second family historical report on such ancestor.
- I. A history of your family's military service for a family line not previously completed. Include supporting documents as in Option E. You need to state at the beginning that this is a second family military history report on such ancestor.
- J. Family DNA history. (This can be a very expensive option) Please include charts and explanations. i.e. use pie charts, ethnicity estimates, approximate percentage regionally, number of countries searched, genetic percentage, family tree, graphs, etc.
- K. Any other genealogy related activity of choice.



## Project Title: Geology

### Description:

Geology involves studying the earth's crust, its layers, and their history. Youth learn to identify Indiana rocks, minerals, and fossils.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

Specimens may also be displayed in a 24"x 18"x 3" collection box, displayed horizontally.

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 Indiana State Fair. Therefore, you need to mount your specimens securely. Subject matter experts 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 (recently cracked or broken 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.

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

## Exhibit Class Guidelines:

### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any geology topic of choice that is age/grade appropriate.

### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any geology topic of choice that is age/grade appropriate, or collection of 8-16 minerals and/or fossils.

### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any geology topic of choice that is age/grade appropriate, or collection of 15-25 minerals and/or fossils and/or jewel stones. Youth can also design and complete an independent study activity.

## Project Title: GIFT WRAPPING

### Description:

The Gift Wrapping project allows members to express their creativity and unique approach to the art of gift wrapping.

### State Fair Entries:

County only project. No State Fair entries.

### Exhibit Guidelines:

- Packages are not to exceed 24 inches in any direction.
- Exhibits using purchased bows will not be accepted. Bows must be self-made.
- Be creative – materials other than wrapping paper may be used.
- Attach a *Washington Co. Gift Wrapping Information Card* to project.

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5)*


Create and exhibit one age/grade appropriate Gift Wrapping project.

#### *Intermediate (grades 6-8)*

Create and exhibit one age/grade appropriate Gift Wrapping project.

#### *Advanced (grades 9-12)*

Create and exhibit one age/grade appropriate Gift Wrapping project.

<b>Gift Wrapping Information Card</b>		
<hr/>		
4-H Member Name		
<hr/>		
Level	Grade	
Gift Occasion:		
Intended Recipient:		



## Project Title: Health

### Description:

The 4-H Health project is designed for youth interested in basic first aid and healthy well-being, as well as those interested in pursuing a medical profession career.

### State Fair Entries:

3 exhibits per county; one per level.

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any health topic of choice that is age/grade appropriate. Another option is to create a family first aid kit, emergency kit, an emergency kit to take on a hiking, biking, skiing or similar trip, or another similar kit.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any health topic of choice that is age/grade appropriate. Another option is to create a personal nutrition kit to use when doing physical activity like chores, working out at the gym, hiking, biking, skiing, or another similar kit.

#### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any health topic of choice that is age/grade appropriate. Another option is to create an activity or guide to help yourself or others become more aware of financial wellness, mental health, disease prevention, or other

similar topic that promotes healthy habits. Youth can also design and complete an independent study activity.



## Project Title: Home Environment

### Description:

Youth will apply the principles of design to home design and decoration as well as learn about care of home furnishings.

### State Fair Entries:

6 per county; two per level.

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Choose one of the following options:

- Furniture Item and Notebook – create a wall hanging, storage organizer, a set of 3-5 accessory items or something similar for the home or similar activity.
- Design Board and Notebook – color a line drawing from your manual and create three color schemes, color a line drawing from your manual and demonstrate dominant and supportive color, or display a line drawing showing where furniture would be placed in the room or similar activity.
- Portfolio – Collect different color schemes, magazines showing different furniture designs, or magazines/photographs of formal vs informal balance, dominant and supportive colors, etc. or similar activity.

#### *Intermediate (grades 6-8 suggested)*

Choose one of the following options:

- Furniture Item and Notebook – refinish or repurpose a piece or set of furniture, storage unit, or display a collection of 3-5 similar home accessory items, or similar activity.



- Design Board and Notebook – create a line drawing for a room in your home showing furniture layout, accessory items and fixtures or similar activity.
- Portfolio – display a sample of three different types of wall treatment with explanation of each, three different floor treatments with explanation of each, an energy plan for your home, or similar activity.

### *Advanced (grades 9-12 suggested)*

Choose one of the following options:

- Furniture Item and Notebook – refinish or repurpose a piece or set of furniture, storage unit, or display a collection of 3-5 similar home accessory items, or similar activity.
- Design Board and Notebook – display a floor plan for any room of your house or the whole house or apartment, or similar activity.
- Portfolio –display a sample of three different lighting or window treatments with an explanation of each, interview an interior designer and prepare a report, a home energy saving proposal plan, or similar activity.

## Exhibit 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.

## **Project Title: JUNIOR LEADERS**

### **Description:**

The Junior Leader Organization in Washington County is a club that develops skills in the areas of civic engagement, leadership, entrepreneurship and more through a variety of hands-on experiences throughout the year. It is open to all 4-H members in grades 7-12. The club meets monthly, year-round. Besides monthly meetings, youth participate in fundraising projects (Cheese Balls, etc.), service-learning projects, and also work at the fair. Members that complete the required number of elements (via a point system) are eligible for the Junior Leader Achievement Trip.

### **State Fair Entries:**

County only project. No State Fair entries.

### **Exhibit Guidelines:**

Participants must complete the Junior Leader Skills Sheet and a project. Skills sheet should be turned in during the fair at project check-in.

### **Project Examples:**

1. Write a news release or social media post that can be used to encourage others to join Junior Leaders next year. (Must be at least one paragraph. Use of TikTok is prohibited.)
2. Write about your favorite Junior Leader experience. (Must be more than one paragraph.)
3. Collect pictures from the current year's activities and make a scrapbook.
4. Make a video about Junior Leaders.
5. Develop a flyer, poster, or display board that can be used to encourage new members to join Junior Leaders.
6. Other (With Extension Educator's Approval)

### **Achievement Trip:**

Points are earned throughout the year for meeting attendance, community service projects, and fundraising activities. Points are earned from October-June. Junior Leaders earning the required points are eligible to participate in the Achievement Trip. Completed Junior Leader record sheets and projects must be submitted for display at the fair.



## Project Title: Lawn and Garden Tractor Safety and Operator Skills

### Description:

The 4-H lawn and garden tractor and equipment program develops principles of engine operation, hydraulic systems, electrical systems, safe operation skills.

### State Fair Entries:

4 educational exhibits per county; one per level

3 junior and 3 senior driving contestants will qualify at the county level to compete at the area level contest. 3 junior and 3 senior driving contestants will qualify at the area level to compete at the state contest.

### Exhibit Guidelines:

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

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

Youth may exhibit in the operator skills option, educational exhibit option or both. Youth choosing to exhibit in the lawn and garden tractor, tractor, or zero-turn mower operator skills driving option must select one, but may be enrolled in all three projects.

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

### Exhibit Class Guidelines:

#### Educational Exhibit Option

##### *Level A (grades 3-4 suggested)*

Create an educational poster, notebook or display about any manual activity or on any lawn and garden tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

##### *Level B (grades 5-6 suggested)*

Create an educational poster, notebook or display about any manual activity or on any lawn and garden tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level C (grades 7-9 suggested)*

Create an educational poster, notebook or display about any manual activity or on any lawn and garden tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level D (grades 10-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any lawn and garden tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate. Youth can also design and complete an independent study activity.

## **Operator Skills Option**

The operator skills component is an educational and training activity conducted by adult 4-H volunteers. A parent or guardian is encouraged to be present when their child is operating a lawn and garden tractor. The adult 4-H volunteer has the authority to deny a child the opportunity to participate in the operator skills option when it is deemed a child is unable to safely operate a lawn and garden tractor due to size, weight, or any other reason that could place the child and/or others in harm.

### *Junior (grades 3-7 suggested)*

Youth will demonstrate their operation skills by driving a lawn and garden tractor through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.

### *Senior (grades 8-12 suggested)*

Youth will demonstrate their operation skills by driving a lawn and garden tractor through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.

## Project Title: MICROWAVE COOKING

### Description:

This project teaches nutrition education and basic cooking skills using a microwave.

### State Fair Entries:

County only project. No State Fair entries.

### Exhibit Guidelines:

1. Preparing products for display:
  - Most food products should be displayed on a paper or foam plate.
  - For cakes - cut a piece of cardboard about ½ inch larger than the bottom of the cake and cover with wax paper, plastic wrap, or foil before putting the cake on it.
  - Product with a sticky bottom, such as fruit crisps or pies, may be left in the container in which they were microwaved. Containers must be labeled so they can be returned after judging.
  - All canned products must be exhibited with the ring on the jar top to protect the seal.
2. A recipe card is required and available from Extension office.
3. All food exhibits must be made from scratch.

**For Food Competitions:** Filling, frosting, glazing, pie filling, and meringue, (whether uncooked or cooked) are not permitted to contain cream cheese, sour cream, heavy cream, or whipped cream as the nature of these products increases the moisture content and water activity of the food. Foods with a higher moisture content and water activity can be ideal growing conditions for food borne pathogens, even if the ingredient is part of a batter and baked. Additionally, raw milk, raw milk products or uncooked eggs/egg whites are not permitted. Eggs/egg whites that have been cooked to 160°F (i.e. pasteurized or included as part of a batter and baked) are acceptable. No home-canned fruits, vegetables, or meats are permitted in products. Recipes must be provided that show which ingredients were used in each part of the product. Contestants should carefully wash their hands and make sure that their hands do not have any open cuts before preparing foods. Contestants should not be preparing food exhibits for competition within 48 hours of recovering from any illness. Whenever possible, baked products should be transported and stored in chilled coolers (41°F).

### Exhibit Class Guidelines:

#### *Level A (grades 3-4)*

Grade 3: Microwave snack mix displayed in a package.

Grade 4: Six squares or bars of microwave fudge.

#### *Level B (grades 5-6)*

Grade 5: Six bars of microwave cookies or brownies.

Grade 6: One microwave upside down cake.

### *Level C (grades 7-9)*

Grade 7: One microwave fruit crisp.

Grade 8: One microwave coffee cake.

Grade 9: One package of a microwave candy product.

### *Level D (grades 10-12)*

Grade 10: One microwave double layer or bundt cake.

Grade 11: One microwave fruit and/or nut pie.

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

## 4-H Microwave Recipe Card



**Name:** \_\_\_\_\_

**Project Level** \_\_\_A\_\_\_B\_\_\_C\_\_\_D

**Name of Recipe:** \_\_\_\_\_ **Recipe Source:** \_\_\_\_\_

**Date Product was Made** \_\_\_\_\_

Prep Time: \_\_\_\_\_ minutes

Cook Time: \_\_\_\_\_ minutes

Recipe Yield: \_\_\_\_\_ Serving size: \_\_\_\_\_

This should include all of the ingredients and their measurements, as well as the full instructions of how to make the dish. Directions should include detailed preparation method: mix, bake, preserve, and safe storage instructions.

### **Ingredients and Amount:**

**List any ingredients that could potentially cause an allergic reaction:**

**Directions:** Prep, mix, bake or preserve, and safe storage. Number, in order, steps to prepare.

**For a preserved exhibit, list directions required to consume this product. Number, in order, steps to prepare.**







## Project Title: Model Craft

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

All arts and craft exhibits must include a [4-H Craft Information Card, 4-H 618A](#) (see page 59). This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

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

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create and exhibit one age/grade appropriate model.

#### *Intermediate (grades 6-8 suggested)*

Create and exhibit one age/grade appropriate model.

#### *Advanced (grades 9-12 suggested)*

Create and exhibit one age/grade appropriate model.



## Project Title: Needle Craft

### Description:

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

### State Fair Entries:

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

### Exhibit Guidelines:

All arts and craft exhibits must include a [4-H Craft Information Card, 4-H 618A](#) (see page 59). This information card is to describe work completed so the judge can more accurately evaluate the exhibit. Craft information cards are for judging purposes only and will not be returned to the exhibitor.

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create and exhibit one age/grade appropriate needle craft.

#### *Intermediate (grades 6-8 suggested)*

Create and exhibit one age/grade appropriate needle craft.

#### *Advanced (grades 9-12 suggested)*

Create and exhibit one age/grade appropriate needle craft.



## Project Title: Photography

### Description:

This project teaches youth how to take quality photographs with a camera or digital device.

### State Fair Entries:

- 2 beginner per county
- 3 intermediate per county
- 3 advanced per county

### Exhibit Guidelines:

Posters are to be 22"x28" and displayed horizontally and placed in a clear plastic sleeve or covered with clear plastic to protect contents. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

All images are to be original images taken by the 4-H member during the current program year. Captions are not recommended.

**Print board exhibits** are to include 10 photos mounted on a poster as described above, each no larger than 5"x7". Number each print 1-10. Prints may be a mix of digital and/or standard development. Create a title of choice for the print board exhibit. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

**Salon prints** are to be no larger than 11"x14", mounted on a standard 16"x20" salon mount, and displayed vertically. Salon prints are to be placed in a clear plastic sleeve and captions are not recommended. Space should be left in the lower right hand corner to place an exhibit tag provided by Purdue Extension staff.

Images may be taken with a film camera, digital camera, cell phone, or other electronic device. Altering of images by any other means besides the device it was taken with is to be entered in the **creative/experimental** category. Creative/experimental exhibits must include the original photo on the back side of the board, a description of how the image was altered, and equipment/software used to alter the image.

Editing photos such as cropping, color adjustment, and other enhancements are considered to be part of the normal photography educational learning process and are permissible. So judges can better evaluate a photography exhibit, the 4-H member is asked to attach to the back of their salon or print board exhibit the make and model of camera used and a description of any editing.

A photo that has been modified to change the original intent, meaning or story captured should be entered in the creative or experimental class. Photos exhibited as creative or experimental are to attach to the back of their exhibit the make and model of camera used, software or other tools used to change the photo, a description of how the photo was changed, and copy of the original photo before editing.

Sepia tone photographs (mono chromatic) are to be entered as black and white photos.

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

## Exhibit Class Guidelines:

### *Beginner (grades 3-5 suggested)*

Choose one or more of the following:

- Black and White Print Board
- Color Print Board
- Black and White Salon Print
- Color Salon Print
- Creative/Experimental Salon Print

### *Intermediate (grades 6-8 suggested)*

Choose one or more of the following:

- Black and White Print Board
- Color Print Board
- Black and White Salon Print
- Color Salon Print
- Creative/Experimental Salon Print

### *Advanced (grades 9-12 suggested)*

Choose one or more of the following:

- Black and White Print Board
- Color Print Board
- Black and White Salon Print
- Color Salon Print
- Creative/Experimental Salon Print

## **Project Title: RECYCLING**

### **Description:**

The Recycling project involves learning what you can do in your home and community to reduce, reuse, recycle, and recover materials we use in our everyday lives.

### **State Fair Entries:**

County only project. No State Fair entries.

### **Exhibit Guidelines:**

Projects should be based on one of the following guidelines:

- The material is reshaped from one form to another.
- The material is reprocessed from one form to another.
- The material is redesigned into a different type of product.

Projects are judged based on originality, creativity, and the exhibitor's use of discarded, recyclable materials. 4-H members should take note that new items purchased specifically for this exhibit defeat the purpose of the goal of recycling. Exhibits should not be larger than a table or floor display unless prior arrangements are made with the Extension Office. A *Washington Co. Recycling Project Card* must be attached to the project.

Examples of possible exhibit items are: clothing, furniture, mechanical parts, bottles, greeting cards, ornaments, etc. Creativity in utilizing items is unlimited.

### **Exhibit Class Guidelines:**

*Level 1 (grades 3-5), Level 2 (grades 6-8), and Level 3 (grades 9-12)*

### **Exhibit Options for All Levels:**

- Exhibit an item made from recyclables. Attach a *Washington Co. Recycling Project Card* with before photo to the item.
- Exhibit a poster or display board on a recycling topic.



## Recycling Information Card



---

**4-H Member Name**

---

**Level**

---

**Grade**

**Item original intended purpose:**

**Item new purpose:**

**(Attach before photo to back.)**







## Project Title: Sewing, Non-Wearable

### Description:

The sewing project teaches fabric selection, pattern selection and sewing machine use to construct items used around the home or other purposes.

### State Fair Entries:

10 exhibits per county; one per grade level

### Exhibit Guidelines:

Older youth enrolled in the 4-H sewing project for the first time may not feel comfortable demonstrating their assigned grade level skills. In this instance the county 4-H youth development educator may, at the request of the 4-H member and parent, assign the member to a lower level grade level to develop fundamental skills.

Provide a completed sewing skills card (Project Exhibit Card) with the exhibit. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

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

### Exhibit Class Guidelines:

#### *Grade 3*

Create one non-wearable sewn item demonstrating at least 2 skills from Sewing Skills and Techniques, 4-H-925-SC-W.

#### *Grade 4*

Create one non-wearable sewn item, or set of items, demonstrating at least 2 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in the prior grade.

#### *Grade 5*

Create one non-wearable sewn item, or set of items, demonstrating at least 3 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.

#### *Grade 6*

Create one non-wearable sewn item, or set of items, demonstrating at least 4 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.

#### *Grade 7*

Create one non-wearable sewn item, or set of items, demonstrating at least 5 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.



## *Grades 8, 9, 10, 11 and 12:*

Create one non-wearable sewn item, or set of items, demonstrating at least 6 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades:



## Project Title: Sewing, Wearable

### Description:

The sewing project teaches fabric selection, pattern selection and sewing machine use to construct garments and outfits to be worn by the 4-H member or another person.

### State Fair Entries:

5 junior exhibits per county; one per grade level

6 senior exhibits per county; one per category

### Exhibit Guidelines:

Older youth enrolled in the 4-H sewing project for the first time may not feel comfortable demonstrating their assigned grade level skills. In this instance the county 4-H youth development educator may, at the request of the 4-H member and parent, assign the member to a lower level grade level to develop fundamental skills.

Provide a completed sewing skills card (Project Exhibit Card) with the exhibit. Skills sheets are for judging purposes only and will not be returned to the exhibitor.

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

## Junior Exhibit Class Guidelines:

### *Grade 3*

Create one clothing article to be worn by the 4-H member or another person demonstrating at least 2 skills from Sewing Skills and Techniques, 4-H-925-SC-W.

### *Grade 4*

Create one clothing article to be worn by the 4-H member or another person demonstrating at least 2 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in the prior grade.

### *Grade 5*

Create one clothing article or a simple two piece outfit to be worn by the 4-H member or another person demonstrating at least 3 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.

### *Grade 6*

Create two garments that can be worn together to be worn by the 4-H member or another person demonstrating at least 4 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.



## Grade 7

Create an outfit that can be worn by the 4-H member or another person demonstrating at least 5 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.

## *Senior Exhibit Category Class Guidelines (grades 8-12 suggested):*

Youth may enter an exhibit in one or more categories. Create an outfit from one of the categories defined below that can be worn by the exhibitor or another person demonstrating at least 6 skills from Sewing Skills and Techniques, 4-H-925-SC-W, in addition to those learned in prior grades.

All senior sewing outfits exhibited in Fashion Revue must be made and worn by the exhibitor.

*DEFINITION OF AN OUTFIT:* An outfit is a garment or garments that when put together make a complete look - such as one or two piece dress, or one or two piece pant suit, or a three piece combination, such as pants, vest, and blouse or shirt.

### Informal or Casual Wear:

A complete outfit of 1 or 2 pieces suitable for school, weekend, or casual, informal activities. In this category, a complete outfit is defined as a garment or garments that when put together make a complete look - such as one or two piece dress, or one or two piece pant suit, or a combination, such as pants, vest, blouse or shirt.

### 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. A complete outfit is defined as a garment or garments that when put together make a complete look - such as one or two piece dress, or one or two piece pant suit, or a three piece combination, such as pants, vest, and blouse or shirt. Individual garment 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. In this category, a complete outfit is defined as a garment or garments that when put together make a

complete look - a three piece combination, such as pants, vest, and blouse or shirt. 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.



## Indiana 4-H Sewing Skills and Techniques

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate skills to incorporate in a sewing wearable or non-wearable article, garment or outfit for exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering. For example, some youth in a 4<sup>th</sup> grader might feel comfortable attempting 6<sup>th</sup> grade level skills, but it is unlikely a 4<sup>th</sup> grade level exhibitor will be able to successfully master the 10<sup>th</sup> grade level skills. Exhibited items must demonstrate the minimum skill techniques from their given grade level 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 skills, but nevertheless will be evaluated for quality. Youth are encouraged to utilize a number of resources such as web sites, print material, social media, and television shows when learning sewing skills and techniques. Skills learned from these types of resources may be demonstrated provided they are age/grade appropriate.

### Grade 3 – Demonstrate at least 2 of the following skills:

- Insert elastic or drawstring
- Sew and trim a crotch curve
- Machine topstitch hems
- Use a simple seam finish
- Stitch in the ditch

### Grade 4 – Demonstrate at least 2 of the following skills:

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

Seam finishes are recommended on all exposed seams.

### Grade 5 – Demonstrate at least 3 of the following skills:

- match fabric design
- gather fabric
- insert zipper
- use a drawstring
- hand-stitch a hem
- sew a simple sleeve
- apply purchased trim or ribbons
- sew patch or inseam pockets
- use a simple lining
- do a machine blind hem
- apply machine topstitching
- do a machine topstitched hem
- sew with knit
- insert elastic
- apply facings
- sew buttons
- apply binding
- use batting

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

### Grade 6 – Demonstrate at least 4 of the following skills:

- 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 pockets

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

### Grade 7 – Demonstrate at least 5 of the following skills:

- 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

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

### Grades 8, 9, 10, 11 and 12 – Demonstrate at least 6 of the following skills:

- 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 hand picked 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

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





## Project Title: Shooting Sports

### Description:

The 4-H shooting sports project teaches safe operation of firearms and archery equipment.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

Live ammunition is not allowed to be exhibited (no powder or primer). Firearms or ready to shoot bows are not allowed to be exhibited. Unstrung bows are permissible.

An arrow with its arrowhead attached must be displayed in a secure case. An arrowhead without the arrow attached must be displayed in a secure case. An arrow may be displayed unsecured if its arrowhead is removed. Modern broadhead arrows are not allowed to be exhibited.

Displays involving firearms or bows may be exhibited as a photographic display on a poster or in a notebook following grade level guidelines. Handmade items must include information explaining how the item was made and its intended use. Photos are encouraged.

Some county 4-H programs offer in-person shooting instruction, depending on facilities. Disciplines include archery, rifle, shotgun, muzzleloader and pistol. In-person instruction in any of these disciplines must be led by a 4-H certified instructor. While some counties provide an option to exhibit at the county level, there is no state fair exhibit in these specific disciplines. Contact your county 4-H educator to learn about discipline opportunities in your county.

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about a shooting sports topic of choice that is age/grade appropriate.

### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about a shooting sports topic of choice that is age/grade appropriate. Another option is to create an item to be used when developing shooting sports skills.

### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about a shooting sports topic of choice that is age/grade appropriate. Another option is to create an item to be used when developing shooting sports skills. Youth can also design and complete an independent study activity.



## Project Title: Small Engine

### Description:

The 4-H Small Engine project creates the education and hands-on opportunity for youth to learn all about engines.

### State Fair Entries:

3 per county; one per level.

### Exhibit Guidelines:

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

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

The actual small engine may be displayed if mounted on a stable base. For safety reasons, all fluids (fuel and oil) must be removed before taking the exhibit inside a building. A notebook is to accompany the engine display and include details and pictures of what was done to the engine.

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any small engine topic of choice that is age/grade appropriate or a rebuilt small engine.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any small engine topic of choice that is age/grade appropriate or a rebuilt small engine.

#### *Advanced (grades 9-12 suggested)*

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



## Project Title: Soil and Water Science

### Description:

The soil and water science project teaches youth about soil, water, and environmental stewardship.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any soil and water topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any soil and water topic of choice that is age/grade appropriate.

#### *Advanced (grades 9-12 suggested)*

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



## Project Title: Sportfishing

### Description:

The 4-H sportfishing project teaches safe habits and youth develop an appreciation for natural resources.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about a sportfishing topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about a sportfishing topic of choice that is age/grade appropriate. Another option is to create an item to be used when developing sportfishing skills.

#### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about a sportfishing topic of choice that is age/grade appropriate. Another option is to create an item to be used when developing sportfishing skills. Youth can also design and complete an independent study activity.

## Project Title: SPORTS

### Description:

The Sports project allows 4-H members to explore and learn about different aspects of sports and share their knowledge with others.

### State Fair Entries:

County only project. No State Fair entries.

### Exhibit Class Guidelines:

#### *Level 1 (grades 3-5)*

4-H members should select a sport they are involved in or would like to learn more about. Exhibit a poster or display board about one of the topics listed below and how it relates to the selected sport. **Topics may not be repeated from year to year unless a different sport is selected.**

- 4-H Member's Favorite Player
- Preparation/Warm-up
- Sportsmanship
- Value of Exercise
- Safety
- 4-H Member's Participation

#### *Level 2 (grades 6-8)*

4-H members should select a sport they are involved in or would like to learn more about. Exhibit a poster or display board about one of the topics listed below and how it relates to the selected sport. **Topics may not be repeated from year to year unless a different sport is selected.**

- 4-H Member's Favorite Team
- Rules
- Equipment Used and Its Care
- Special Skills
- History of the Sport
- Techniques

#### *Level 3 (grades 9-12)*

4-H members should select a sport they are involved in or would like to learn more about. Exhibit a poster or display board about one of the topics listed below and how it relates to the selected sport. **Topics may not be repeated from year to year unless a different sport is selected.**

- Teaching Others
- Officiating
- Mental Toughness
- Sports Careers
- Time Management
- Scoring Systems
- Conditioning/Nutrition
- Goal-Setting

## **Project Title: STRAWBERRIES**

### **Description:**

The Strawberries project allows 4-H members to display plants/fruits they have grown or to educate the public about strawberries.

### **State Fair Entries:**

County only project. No State Fair entries.

### **Exhibit Class Guidelines:**

*Beginner (grades 3-5), Intermediate (6-8), and Advanced (9-12)*

#### **Exhibit Guidelines for All Levels:**

Exhibit one of the following:

- One potted strawberry plant.
- One-quart sized container of whole, frozen strawberries.
- One-quart sized container of whole, fresh strawberries. Containers are available at the Extension office.
- An age-appropriate poster or display board about a strawberry topic.



## Project Title: Tractor Safety and Operator Skills

### Description:

The 4-H tractor and equipment program develops principles of engine operation, hydraulic systems, electrical systems, safe operation skills.

### State Fair Entries:

4 educational exhibits per county; one per level

3 junior and 3 senior driving contestants will qualify at the county level to compete at the area level contest. 3 junior and 3 senior driving contestants will qualify at the area level to compete at the state contest.

### Exhibit Guidelines:

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

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

Youth may exhibit in the operator skills option, educational exhibit option or both. Youth choosing to exhibit in the lawn and garden tractor, tractor, or zero-turn mower operator skills driving option must select one, but may be enrolled in all three projects.

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

### Exhibit Class Guidelines:

#### Educational Exhibit Option

##### *Level A (grades 3-4 suggested)*

Create an educational poster, notebook or display about any manual activity or on any tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

##### *Level B (grades 5-6 suggested)*

Create an educational poster, notebook or display about any manual activity or on any tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.



### *Level C (grades 7-9 suggested)*

Create an educational poster, notebook or display about any manual activity or on any tractor safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level D (grades 10-12 suggested)*

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

## **Operator Skills Option**

The operator skills component is an educational and training activity conducted by adult 4-H volunteers. A parent or guardian is encouraged to be present when their child is operating a tractor. The adult 4-H volunteer has the authority to deny a child the opportunity to participate in the operator skills option when it is deemed a child is unable to safely operate a tractor due to size, weight, or any other reason that could place the child and/or others in harm.

### *Junior (grades 3-7 suggested)*

Youth will demonstrate their operation skills by driving a tractor and wagon or trailer through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.

### *Senior (grades 8-12 suggested)*

Youth will demonstrate their operation skills by driving a tractor and wagon or trailer through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.



## Project Title: Veterinary Science

### Description:

This project provides a hands-on learning experience that helps youth learn more about the Veterinary Science profession.

### State Fair Entries:

3 per county; one per level.

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any veterinary science topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any veterinary science topic of choice that is age/grade appropriate.

#### *Advanced (grades 9-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any veterinary science topic of choice that is age/grade appropriate. Youth may also choose to develop a teaching aid, develop a project in conjunction with a veterinarian and present a report about that project and its findings, or another report of your choosing.



## Project Title: Weather and Climate Science

### Description:

Youth will learn information about weather and climate science.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any weather and climate topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any weather and climate topic of choice that is age/grade appropriate.

#### *Advanced (grades 9-12 suggested)*

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



## Project Title: Wildlife

### Description:

This project helps youth learn to identify wildlife, basic wildlife needs, and how wildlife interacts with other wildlife and people.

### State Fair Entries:

3 per county; one per level

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Beginner (grades 3-5 suggested)*

Create an educational poster, notebook or display about any manual activity or on any wildlife topic of choice that is age/grade appropriate.

#### *Intermediate (grades 6-8 suggested)*

Create an educational poster, notebook or display about any manual activity or on any wildlife topic of choice that is age/grade appropriate.

#### *Advanced (grades 9-12 suggested)*

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



## Project Title: Woodworking

### Description:

The 4-H woodworking project provides youth with educational information about wood and how it can be used to construct items.

### State Fair Entries:

4 per county; one per level.

### Exhibit Guidelines:

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

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

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

### Exhibit Class Guidelines:

#### *Level 1 (grades 3-4 suggested)*

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. Skills sheets are for judging purposes only and will not be returned to the exhibitor. Youth may also choose to create an educational poster, notebook or display about any manual activity or on any woodworking topic of choice that is age/grade appropriate.

#### *Level 2 (grades 5-6 suggested)*

Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the [Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W](#). Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging. Skills sheets are for judging purposes only and will not be returned to the exhibitor. Youth

may also choose to create an educational poster, notebook or display about any manual activity or on any woodworking topic of choice that is age/grade appropriate.

### *Level 3 (grades 7-9 suggested)*

Exhibit one article of choice made during the current 4-H program year demonstrating a minimum of five (5) techniques outlined in the [Indiana 4-H Woodworking Tools, Techniques and Skills Chart, 4-H 6875C-W](#). Exhibits may also include lower and/or higher level techniques that have been mastered. Any lower/higher level techniques will not be counted as part of the minimum five, but nevertheless will be evaluated for quality. A woodworking skills sheet is to be submitted with the exhibit for judging. Skills sheets are for judging purposes only and will not be returned to the exhibitor. Youth may also choose to create an educational poster, notebook or display about any manual activity or on any woodworking topic of choice that is age/grade appropriate.

### *Level 4 (grades 10-12 suggested)*

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. Skills sheets are for judging purposes only and will not be returned to the exhibitor. Youth may also choose to create an educational poster, notebook or display about any manual activity or on any woodworking topic of choice that is age/grade appropriate.

### Indiana 4-H Woodworking Tools, Skills and Techniques

Youth and their mentor/volunteer leader/instructor should use this chart as a guide when deciding appropriate tools and skills to use and incorporate in a woodworking exhibit. While this list is a guide, it is not meant to be an all-inclusive list and youth should demonstrate skills they are most comfortable mastering with tools used. For example, some youth in level 2 might feel comfortable attempting level 3 tools/skills, but it is unlikely that a level 1 exhibitor will be able to successfully master the level 4 tools/skills. Youth are encouraged to utilize a number of resources such as web sites, print material, social media, and television shows when learning woodworking skills. Skills learned from these types of resources may be demonstrated provided they are age/grade appropriate.

The "X" indicates suggested level to learn respective skill. Exhibits must include a minimum of 5 techniques from their level indicated in the chart below but may include additional techniques from other levels as deemed appropriate, but nevertheless will be evaluated for quality. For example, Level 3 exhibitors may use any techniques found in Level 1 or Level 2 but the exhibit must include a minimum of 5 Level 3 techniques. Level 4 may use any techniques found in the lower three levels but must have a minimum of 5 Level 4 techniques.

SKILL	LEVEL 1 & 2	LEVEL 1 & 2	LEVEL 3	LEVEL 4
<b>SAFETY (Required of all levels and not counted as a Skill or Technique)</b>				
Ear Protection	X	X	X	X
Eye Protection	X	X	X	X
Shop Organization	X	X	X	X
Machine Guards	X	X	X	X
<b>LAYOUT</b>				
Ruler	X			
Tape Measure	X			
Square	X			
<b>COMMON TOOLS</b>				
Hammer	X			
Handsaw	X			
Coping Saw	X			
Scroll Saw	X			
Screw Driver	X			
Wood Chisel	X			
Pliers	X			
Hand Plane		X		
<b>POWER TOOLS</b>				
Band Saw	X			
Table Saw		X		
Electric Drill		X		
Radial Arm Saw			X	
Circular Saw			X	
Planner				X
Lathe				X
Jointer				X
Miter Saw				X
Scroll Saw			X	X

MATERIAL SELECTION				
Wood	X			
Wood Products	X			
Plywood	X			
Fiberboard	X			
Synthetic Products			X	X
JOINTS				
Lap Joint	X			
Butt Joints	X			
Basket Joints		X		
Doweled Joints		X		
Mortise and Tenon Joints			X	
Dado Joints			X	
Miter Joint				X
Dovetail Joints				X
Box Joints			X	X
TABLE ROUTING				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planing				X
Jointing				X
FASTENERS				
Screws	X			
Nails	X			
Bolting	X			
Gluing	X			
Pocket Hole Fasteners		X		
Brad Nailer				X
FINISHING				
Sanding	X			
Penetrating Finish	X			
Painting	X			
Varnishing		X		
Spraying				X
FREEHAND ROUTING				
Bevels			X	
Dadoing			X	
Rabbeting			X	
Planing				X
Jointing				X



### Woodworking Exhibit Skills Sheet

Name: \_\_\_\_\_ Club/County: \_\_\_\_\_

Level:  Level 1                       Level 2                       Level 3                       Level 4

(must demonstrate a minimum of five skills for the appropriate level from the Indiana 4-H woodworking tools, techniques and skills chart)

Note to Judge – While the entire exhibit is to be evaluated and critiqued, special attention and consideration is to be given to the five skills listed below.

Skill Description	Tools and Techniques Used
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

Other skills, tools, and techniques:

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

Include a diagram and assembly description on the back or attached to this skills sheet.





## Project Title: Zero-Turn Mower Safety and Operator Skills

### Description:

The 4-H zero-turn mower and equipment program develops principles of engine operation, hydraulic systems, electrical systems, safe operation skills.

### State Fair Entries:

4 educational exhibits per county; one per level

3 junior and 3 senior driving contestants will qualify at the county level to compete at the area level contest. 3 junior and 3 senior driving contestants will qualify at the area level to compete at the state contest.

### Exhibit Guidelines:

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

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

Youth may exhibit in the operator skills option, educational exhibit option or both. Youth choosing to exhibit in the lawn and garden tractor, tractor, or zero-turn mower operator skills driving option must select one, but may be enrolled in all three projects.

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

### Exhibit Class Guidelines:

#### Educational Exhibit Option

##### *Level A (grades 3-4 suggested)*

Create an educational poster, notebook or display about any manual activity or on any zero-turn mower safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level B (grades 5-6 suggested)*

Create an educational poster, notebook or display about any manual activity or on any zero-turn mower safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level C (grades 7-9 suggested)*

Create an educational poster, notebook or display about any manual activity or on any zero-turn mower safety, maintenance, operating system or operation topic of choice that is age/grade appropriate.

### *Level D (grades 10-12 suggested)*

Create an educational poster, notebook or display about any manual activity or on any zero-turn mower safety, maintenance, operating system or operation topic of choice that is age/grade appropriate. Youth can also design and complete an independent study activity.

## **Operator Skills Option**

The operator skills component is an educational and training activity conducted by adult 4-H volunteers. A parent or guardian is encouraged to be present when their child is operating a zero-turn mower. The adult 4-H volunteer has the authority to deny a child the opportunity to participate in the operator skills option when it is deemed a child is unable to safely operate a zero-turn mower due to size, weight, or any other reason that could place the child and/or others in harm.

### *Junior (grades 3-7 suggested)*

Youth will demonstrate their operation skills by driving a zero-turn mower through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.

### *Senior (grades 8-12 suggested)*

Youth will demonstrate their operation skills by driving a zero-turn mower through an obstacle course as outlined in 4-H 84, Conducting 4-H Operator Safety Contests.