



4-H PROJECT MANUALS & RESOURCES rev 3/2024



Basic Manual Information:

1. Manuals listed for *1st year members only* are projects with one project manual. A 4-H member needs to receive the manual only in the first year of the project.
2. Projects with multiple years' use of manuals **do not** need a new manual every year *Example:* A 4-H'er in 4th grade enrolling in the Foods project will not need a new manual if he/she has taken the project the previous year.
3. Livestock manuals are for 4-H members enrolled in Livestock Live Show and Livestock Poster.
4. Food Preservation and Food Preparation use the same manual.
5. All **unused** project manuals **must** be returned.
6. Send in your order or stop by the office to pick-up: emcconne@purdue.edu or shuttt@purdue.edu or englishs@purdue.edu
7. **All project resources - <https://extension.purdue.edu/4-H/projects/index.html>**

2024 4-H Project Resources:

Aerospace: Grades 3-5 "Lift-Off" _____

Grades 6-8 "Reaching New Heights" _____

Grades 9-12 "Pilot in Command" _____

Americana: No manual

Aquatic Science: No manual. **Record Sheet:** https://extension.purdue.edu/county/vanderburgh/_docs/aquatic-science

Arts & Crafts: 4-H Craft Info Card https://extension.purdue.edu/4-H/_docs/projects/arts-and-crafts/4-H-618A-W.pdf

Arts & Crafts, Fine Arts, Needle Craft: No manual

Model Other: (*1st year only*) _____

Construction and Architectural Replica: No manual.

ATV Safety: Grades 3-12 _____

Automotive: Grades 3-8 "Keys to Happy Motoring" _____

Grades 9-12 "Buying Your First Car" _____

Barbecue: (*1st year only*) "Grill Masters" _____

Beef: Grades 3-5 "Bite Into Beef" _____

Grades 6-8 "Here's the Beef" _____

Grades 9-12 "Leading the Charge" _____

Beekeeping: Level 1 "Learning About Beekeeping" _____

Level 2 "Working with Honeybees" _____

Level 3 "Advanced Beekeeping" _____

Bicycle: Grades 3-5 "Bicycling for Fun" _____

Grades 6-8 "Wheels in Motion" _____ There is no manual for Grades 9-12.

Cake Decorating: no manual **Exhibit Skills Sheet:** https://extension.purdue.edu/4-H/_docs/projects/cake-decorating/Cake-Decorating-Skills-Sheet-3-18-Fillable.pdf

Cat: Grades 3-5 "Purr-fect Pals" _____

Grades 6-8 "Climbing Up" _____

Grades 9-12 "Leaping Forward" _____

Vaccination Form _____ https://extension.purdue.edu/4-H/_docs/projects/cat/cat-vaccination-form.pdf

Child Development: Grades 3-4 "Building a Bright Beginning" _____

Grades 5-6 "Building Blocks of Learning" _____

Grades 7-9 "Building a Strong Foundation" _____

Grades 10-12 "Building Relationships Toward a Brighter Tomorrow" _____

Collections: Record Sheet: <https://extension.purdue.edu/county/vanderburgh/4hresources.html>

Computer Science: Grades 3-5 "Fundamentals" _____

Grades 6-8 – "Explorations" _____

Grades 9-12 "Recursion" _____

Computer Science: Robotics: No manual.

Consumer Clothing: Grades 3-5 “Beginning” _____
Grades 6-8 “Intermediate” _____
Grades 9-12 “Advanced” _____

Consumer Education: No manual.

Creative Writing: No manual.

Crops:

Corn Production: (1st year only) “Corn” _____

Corn Science: Grades 3-5 “The Plant, Problems, and Products” _____
Grades 6-8 “Selecting, Growing, Harvesting, Using” _____
Grades 9-12 “Nutrients, Tilage, Hybrids, and Production” _____

Forages: (*1st year only*) “Forages” _____

Plant Science: Level 1 “Exploring the World of Plants and Soils” _____
Level 2 “Growing and Using Plants” _____

Small Grains: (*1st year only*) “Small Grains” _____

Soybeans: (*1st year only*) “Soybeans” _____

Dairy: Grades 3-5 “Cowabunga” _____
Grades 6-8 “Mooving Ahead” _____
Grades 9-12 “Rising to the Top” _____

Lease Agreement: https://extension.purdue.edu/4-H/_docs/projects/animal-lease-agreement.pdf

Dairy Goat: Grades 3-5 “Getting Your Goat” _____

Grades 6-8 “Stepping Out” _____
Grades 9-12 “Showing the Way” _____

IN 4-H Dairy & Pygmy Goat ID worksheet:

https://extension.purdue.edu/4-H/_docs/projects/goat/dairy-pygmy-goat-id-worksheet.pdf

Dog: Grades 3-5 “Wiggles and Wags” _____
Grades 6-8 “Canine Connection” _____
Grades 9-12 “Leading the Pack” _____

Dog Vaccination Form _____ https://extension.purdue.edu/4-H/_docs/projects/dog/dog-vaccination-form.pdf

Dog Showmanship Guide _____ https://extension.purdue.edu/4-H/_docs/projects/dog/4-h-716-w.pdf

Dog Obedience _____ https://extension.purdue.edu/4-H/_docs/projects/dog/4-h-1009-w.pdf

Dog Scorecards _____ (available online)

Dog Record Sheet _____ https://extension.purdue.edu/4-H/_docs/projects/dog/4-h-390-w.pdf

Dog Agility Dog Agility Guide _____ https://extension.purdue.edu/4-H/_docs/projects/dog/dog-agility-rules-4-h-1020-w.pdf

Dog Scrapbook: _____

Dog Record Sheet _____ https://extension.purdue.edu/4-H/_docs/projects/dog/4-h-390-w.pdf

Dog Vaccination Form _____ https://extension.purdue.edu/4-H/_docs/projects/dog/dog-vaccination-form.pdf

(Available online)

Electric: Level 1 “Magic of Electricity” _____

Level 2 “Investigating Electricity” _____

Level 3 “Wired for Power” _____

Level 4 “Entering Electronics” _____

Electric & Electronic Exhibit Skills & Knowledge Sheet: https://extension.purdue.edu/4-H/_docs/projects/electric/Electric-Skills-and-Knowledge-Sheet.pdf

Entomology: Grades 3-5 “Teaming with Insects Level 1” _____

Grades 6-8 “Teaming with Insects Level 2” _____

Grades 9-12 “Teaming with Insects Level 3” _____

Family Camping: (*1st year only*) _____

Entomology Resources: <https://extension.purdue.edu/4-H/projects/4-h-project-entomology.html>

Fire Safety: (*1st year only*) “Don’t Blame the Cow” _____

O’Leary List _____ **Inspection Sheet** _____

Floriculture: Grades 3-4 “Level A” _____
Grades 5-6 “Level B” _____
Grades 7-9 “Level C” _____
Grades 10-12 “Level D” _____

Foods: Grades 3-4 “Fantastic Foods” _____
Grades 5-6 “Tasty Tidbits” _____
Grades 7-9 “You’re the Chef” _____
Grades 10-12 “Foodworks” _____

Foods Recipe Card: <https://extension.purdue.edu/4-H/projects/4-h-project-foods.html>

Creating with a Mix: (*1st year only*) _____

Microwave: No manual.

Forestry: Grades 3-5 “Follow the Path” _____
Grades 6-8 “Reach for the Canopy” _____
Grades 9-12 “Explore the Deep Woods” _____
Intro to Trees of IN _____ \$7.00

Garden: Grades 3-4 “See Them Sprout” _____
Grades 5-6 “Let’s Get Growing” _____
Grades 7-9 “Take Your Pick” _____
Grades 10-12 “Growing Profits” _____

Suggested Garden Exhibits: https://extension.purdue.edu/4-H/_docs/projects/garden/4-h-970-w-suggested-garden-exhibits.pdf

Genealogy: (*1st year only*) Tracing My Family Tree _____

Genealogy Worksheets/Forms: <https://extension.purdue.edu/4-H/projects/4-h-project-genealogy.html>

Geology: Grades 3-5 “Geology Level 1” _____
Grades 6-8 “Geology Level 2” _____
Grades 9-12 “Geology Level 3” _____

Gift Wrapping: (*1st year only*) _____

Government: (*1st year only*) _____

Health: Grades 3-5 “First Aid in Action” _____
Grades 6-8 “Staying Healthy” _____
Grades 9-12 “Keeping Fit” _____

Home Environment: Grades 3-5 “Color, Texture, Line, and Shape” _____

Grades 6-12 “Design Decisions” _____

Horse and Pony: Grades 3-5 “Giddy Up & Go” _____
Grades 6-8 “Head, Heart, & Hooves” _____
Grades 9-12 “Stable Relationships” _____

Horse & Pony Vaccination form: https://extension.purdue.edu/4-H/_docs/projects/horse/horse-vaccination-form.pdf

IN Horse & Pony Handbook _____ \$6.00

Extension Horses <https://horses.extension.org>

Llama/Alpaca: Grades 3-5 “Lamas Book 1” _____

Grades 6-8 “Lamas Book 2” _____

Grades 9-12 “Lamas Book 3” _____

Llama/Alpaca Craft: No manual *4-H Craft Info Card* https://extension.purdue.edu/4-H/_docs/projects/arts-and-crafts/4-H-618A-W.pdf

Meat Goat: Grades 3-5 “Just Browsing” _____
Grades 6-8 “Growing with Meat Goats” _____
Grades 9-12 “Meating the Future” _____

Pets: Grades 3-5 “Pet Pals” _____
Grades 6-8 “Scurrying Ahead” _____
Grades 9-12 “Scaling the Heights” _____

Photography: Grades 3-5 “Photography Basics” _____

Grades 6-8 “Next Level Photography” _____

Grades 9-12 “Mastering Photography” _____

Poultry: Grades 3-5 “Scratching the Surface” _____

Grades 6-8 “Testing your Wings” _____

Grades 9-12 “Flocking Together” _____

Pygmy Goat: (*1st year only – one per family*) “4-H Pygmy Goat Project” _____

IN 4-H Dairy & Pygmy Goat ID worksheet:

https://extension.purdue.edu/4-H/_docs/projects/goat/dairy-pygmy-goat-id-worksheet.pdf

Rabbits: Grades 3-5 “What’s Hoppening?” _____

Grades 6-8 “Making Tracks” _____

Grades 9-12 “All Ears!” _____

Recycling: (*1st year only*) _____

Safety: No manual. **Record Sheet:** https://extension.purdue.edu/county/vanderburgh/_docs/safety-record-sheet--home-hazard-hunt.pdf

Scrapbook: (*1st year only*) “Scrapbooking” _____ **Record Sheet/Check List:**

extension.purdue.edu/county/vanderburgh/_docs/scrapbook-record-sheet-11.pdf

Sewing: Grades 3-4 “Sew Simple” _____

Grades 5-6 “Sew Smart” _____

Grades 7-9 “Sew Fine” _____

Grades 10-12 “And Sew On” _____

Skills Sheet: Grades 3-4 _____ Grades 5 _____ Grade 6 _____

Grades 7 _____ Grades 8 and 12 _____ (Skill Sheets available online)

Sheep: Grades 3-5 “Rams, Lambs, & You” _____

Grades 6-8 “Shear Delight” _____

Grades 9-12 “Leading the Flock” _____

Sheep ID worksheet: https://extension.purdue.edu/4-H/_docs/sheep-id-worksheet.pdf

Shooting Sports: (*1st year only*) _____

Small Engines: Grades 3-5 “Crank It Up!” _____

Grades 6-8 “Warm It Up!” _____

Grades 9-12 “Tune It Up!” _____

Soil & Water Science: Grades 3-5 “Level 1” _____

Grades 6-8 “Level 2” _____

Grades 9-12 “Level 3” _____

Sport Fishing: Grades 3-5 “Take the Bait” _____

Grades 6-8 “Reel in the Fun” _____

Grades 9-12 “Cast into the Future” _____

Sports: (*1st year only*) _____

Strawberry: (*1st year only*) “The Strawberry Project” _____

Swine: Grades 3-5 “The Incredible Pig” _____

Grades 6-8 “Putting the Oink in Pig” _____

Grades 9-12 “Going Whole Hog” _____

Ear Notching Intro Reference Guide: https://extension.purdue.edu/4-H/_docs/projects/swine/reference-guide-introduction.pdf

Swine ID worksheet https://extension.purdue.edu/4-H/_docs/projects/swine/swine-id-worksheet.pdf

Tractor & Mower Safety & Operator Skills:

Tractor Safety and Operator Skills: Grades 3-4 “Starting Up” _____

Grades 5-6 “Tractor Operation” _____

Grades 7-9 “Moving Out” _____

Grades 10-12 “Learning More” _____

Lawn & Garden Tractor: Grades 3-12 “Ready, Set,...Mow!” _____

Zero-Turn Mower: Grades 3-12 “Ready, Set,...Mow!” _____

Veterinary Science: Grades 3-5 “From Airedales to Zebras” _____
Grades 6-8 “All Systems Go” _____
Grades 9-12 “On the Cutting Edge” _____

Weather and Climate Science: Grades 3-5 “Weather & Climate Science Lev 1” _____
Grades 6-8 “Weather & Climate Science Lev 2” _____
Grades 9-12 “Weather & Climate Science Lev 3” _____

Wildlife: Grades 3-5 “4-H Wildlife Science 1” _____
Grades 6-8 “4-H Wildlife Science 2” _____
Grades 9-12 “4-H Wildlife Science 3” _____

Woodworking: Grades 3-4 “Measuring Up” _____
Grades 5-6 “Making the Cut” _____
Grades 7-9 “Nailing It Together” _____
Grades 10-12 “Finishing Up” _____
Tools, Skills & Techniques Skills Sheet: [extension.purdue.edu/4 H/_ docs/projects/woodworking /Woodworking_Skills_Sheet_Fillable.pdf](https://extension.purdue.edu/4-H/_docs/projects/woodworking/Woodworking_Skills_Sheet_Fillable.pdf)
Tools, Skills & Techniques Skills Chart: [https://extension.purdue.edu/4- H/_ docs/projects/woodworking/Woodworking_techniques.pdf](https://extension.purdue.edu/4-H/_docs/projects/woodworking/Woodworking_techniques.pdf).

Other references and resources available are:

_____	Adventures with Fossils (Cir. 6)	3.00
_____	Guide to Some Minerals (Cir. 4)	5.00
_____	Let’s Look at Some Rocks (Cir. 5)	5.50
_____	Electric I Kit Circuit Board	15.50
_____	Electric II Magnetic Shake Light Kit	20.50
_____	Electric III Extension Cord Kit	60.00
_____	Electric III Fluorescent Trouble Light Kit	62.50
_____	Electric III Fluorescent Trouble Light Head Only	20.00
_____	Electric III Male Plug Only	6.00
_____	Electric IV Female Connector ONLY	6.00
_____	Electric IV Basic Lamp Kit	20.00
	(grommet, bushing, and polarized plug)	
_____	Electric IV Complete Lamp Kit-Brown, Blk, or White	27.00
	(med. Base lamp socket, 9’ 18-2 SPT1 lamp wire, polarized plug, in-line stain relief, asst. bushings, 8” harp and finial)	
_____	Entomology Kit (pins/specimen bottles)	6.00
_____	Entomology Exhibit Cards	5.00
_____	Entomology/Geology Boxes	40.00
_____	How to Study, Collect, Preserve & Identify Insects	5.00
_____	Fifty Trees of Indiana	6.00
_____	Secretary Book	5.00 – (Not required for the county contest.)
	Requirements for the Secretary’s Record Book and Treasurer’s Record Book contest can be found online under Club Resources.	
_____	Poster Backing	.50
_____	Poster/Salon Print Sleeves	.50

More Resources:

Video: Making a 4-H Poster

<https://www.youtube.com/watch?v=o6wff861jX98&list=PLtXSfltu3Jd94YlXWTqsLwnlFogVoEPrB&index=8>

Animal Lease Agreement

[https://extension.purdue.edu/4-H/_ docs/projects/animal-lease-agreement.pdf](https://extension.purdue.edu/4-H/_docs/projects/animal-lease-agreement.pdf)

Animal ID and Exhibition Information (vaccine forms, ID worksheets, DNA Hair Sample Collection, Animal Lease Agreements, and ISF Info) <https://extension.purdue.edu/4-H/projects/animal-identification.html>
[shared/4H/projects manuals scorecards/manuals resources/se](https://extension.purdue.edu/4-H/projects/manuals/scorecards/manuals/resources/se)