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 shutt@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

Tools, Skills & Techniques Skills Chart: 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	2.00
	(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=o6wf861jX98&list=PLtXSf1tu3Jd94YLXWTqsLwn1FogVoEPrB&index=8

Animal Lease Agreement

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