

## Section 10 – 4-H Project Books

1. Each item must have been made by the 4-H member in good standing within the current year.
2. Completed project book and item must be displayed.
3. Items to be judged must have an official entry tag attached and be exhibited in the 4-H Center.
4. For a list of book and project requirements please contact the Extension Office: 814-887-5613.
5. All posters must be 14" x 22" horizontal or vertical and all ages are as of January 1<sup>st</sup> of the current year.
6. Projects with an (\*) meet the guidelines to be entered in the PA Farm Show.

Premiums: \$5.00    \$4.00    \$3.00    \$2.00    \$1.00

### ANIMAL SCIENCE

#### Beef Cattle

- 9- Jr. Record
- 11- Senior Record

#### Cat

- 12- Jr. Record
- 14- Senior Record

#### Cavy

- 15- Jr. Record
- 17- Senior Record

#### Dairy Cattle

- 18- Jr. Record
- 20- Senior Record

#### Dog

- 24- Jr. Record
- 26- Senior Record

#### Equine

- 34- Performance Horsemanship Level 1
- 35- Performance Horsemanship Levels 2-5
- 33- Competitive Trail Ride
- 36- Horseless Project
- 37- Display regarding any phase of caring for horses or horse information\*
- 27- Model Horse

#### Goat

- 21- Jr. Record
- 23- Senior Record

#### Llama/Alpaca

- 276- Jr. Record
- 278- Senior Record

#### Poultry

- 43- Jr. Record
- 45- Senior Record

#### Rabbit

- 48- Jr. Record
- 50- Senior Record

#### Sheep

- 51- Jr. Record
- 53- Senior Record

#### Swine

- 54- Jr. Record
- 56- Senior Record

#### Pet Care\*

- 333- Poster about the natural characteristics of a member's animal, its life history, or basic pet care
- 334- Pet first aid OR grooming kit. Include at least six items and a list of how they are used.

#### Veterinary Science\*

- 57- 10-day record of observations of an animal for signs of normal and abnormal health and behaviors

58- A record of the health of the member's animal and practices followed to keep the animal healthy, including references to signs of abnormal health or activities  
59- Poster on the member's individual study topic

#### Embryology\*

46- Three dimensional 28" x 22" display that features your project and may include photos, pictures, models, equipment, and drawings

Animal Posters for Small Animals\* (poultry, dog, cat, rabbit, etc.)

326- 8-12 years old (by January 1)

327- 13-18 years old (by January 1)

Animal Posters for Large Animals\* (horse, swine, goat, etc.)

328- 8-12 years old (by January 1)

329- 13-18 years old (by January 1)

### CONSUMER & FAMILY SCIENCE

#### Babysitting\*

153- Kit that includes carrying container, emergency information, first aid kit, and activity or toy for children

#### Fashion Design

- 330- Fashion Revue Book
- 331- Closet Connections Book
- 332- Wardrobe Planning Book

#### Finance

- 159- Level 1 Book
- 160- Level 2 Book
- 155- Level 3 Book

#### Sew Much Fun\*

- 170- Pants, pajama pants, or skirt with elastic or drawstring waistband
- 335- Shirt, top, or blouse with casing or simple closure
- 336- "Instant" top, skirt, or dress using pre-shirred fabric or cut-out
- 337- Other simple garment
- 338- Simple dress with casing or simple closure

#### Sew Much More\*

- 171- Potholder or mitt
- 339- Pillow
- 340- Pajama tote, laundry, or gym bag
- 341- Wall hanging
- 342- Pillowcase

#### Stich by Stich\*

172- Finished Garment, Sampler, OR craft made with a variety of hand stitches OR hand-sewn buttons

#### Knits\*

- 173- Knit t-shirt or sweatshirt
- 167- Knit dress or outfit
- 300- Knit pants or skirt
- 301- Outfit using both knit and woven construction

## Section 10 – 4-H Project Books

### Coordinates\*

- 174- Simple top, vest, or poncho AND skirt or slacks
- 175- Simple dress, jumper, or shift
- 176- Other simple coordinate garment

### Accessories\*

- 343- A grouping of three different sewn non-garment accessories (Paired items count as one)

### Crocheting\*

- 344- One (1) crocheted article (paired items count as one)
- 345- One (1) crocheted garment

### Weaving\*

- 346- A garment made from fabric created on a loom
- 347- Cloth or textile made on a loom of some type with a photo of loom attached
- 348- A homemade loom OR a poster showing photos of homemade loom, how to use loom, or equipment used in weaving

### Sewing for Other Projects and Other People\*

- 177- Garment for another person with photo of person wearing garment
- 178- Toy, blanket, kite, OR other item made in this Project

### Design\*

- 179- A purchased garment or textile with applied design (ex. stenciling, tie-dye, applique', etc.)
- 349- Recycled or remade garment with "before" photo

### Separates\*

- 350- Two (or more) piece non-tailored outfit
- 351- Dress, two-piece dress, or jumper
- 352- Coat or jacket-not tailored

### Formal Wear\*

- 353- One (1) special occasion garment or party dress

### Tailoring\*

- 354- One (1) tailored item, jacket, ensemble, etc.

### Quilt Quest: Beginner\*

- 190- Quilt block, Hand or machine pieced (unfinished)
- 355- Table runner, placemat, small quilt, or other item, hand quilted
- 356- Table runner, placemat, small quilt, or other item, machine quilted
- 357- Table runner, placemat, small quilt, or other item, Tied

### Quilt Quest: Intermediate\*

- 358- Quilt, Pieced, applique' OR other technique, any size, hand-quilted
- 359- Quilt, Pieced, applique' OR other technique, any size, machine quilted
- 360- Quilt, Pieced, applique' OR other technique, any size, tied
- 361- Wall hanging or other small item, pieced, applique' OR other technique, hand quilted
- 362- Wall hanging or other small item, pieced, applique' OR other technique, machine quilted
- 363- Wall hanging or other small item, pieced, applique' OR other technique, tied

### Quilt Quest: Advanced\*

- 365- Quilt or other item with one or more advanced techniques, hand quilted – less than 200" perimeter
- 366- Quilt or other item with one or more advanced techniques, machine quilted – less than 200" perimeter
- 367- Quilt or other item with one or more advanced techniques, hand quilted – greater than 200" perimeter
- 368- Quilt or other item with one or more advanced techniques, machine quilted, greater than 200" perimeter

### Quilt Quest: Community\*

- 369- Quilt made by members of a 4-H club

## ENVIRONMENTAL SCIENCES & SHOOTING SPORTS

### Entomology\*

- 125- Display of 25-49 insects representing 5 insect Orders
- 126- Display of 50-69 insects representing seven insect Orders
- 127- Display of 70-89 insects representing nine insect Orders
- 128- Display of 90 or more insects representing ten insect orders
- 132- Unique collection of a specific insect group. Must be labeled to identify the insect type.
- 133- A poster with pictures can be submitted in the place of the display

### Environmental Science

- 134- Poster on project activity
- 151- Diorama

### Water Conservation

- 129- Poster on a project activity

### Fishing\*

- 130- Display of three (3) types of tackle and five types of bait labeled (artificial bait or drawings only)
- 131- Poster of pictures of four (4) species of fish caught in Pennsylvania with label and description. At least one photo must include you

### Forestry\*

- 109- Album of "Adopt-a-Tree" activities
- 110- Exhibit the "Tree Touch Box"
- 112- Display collection representing six different tree Species

### Maple Syrup\*

- 287- Poster showing how sap is obtained and how syrup is made

### Orienteering

- 249- Poster about a completed project activity

### Outdoor Adventures\*

- 60- Poster that includes a narrative story about one hiking, camping, or backpacking experience and new skills used. Includes 3 pictures

### Shooting Sports\*

- 291- Poster on any phase of safety presented in the Project

### Wildlife\*

- 119- Poster of the five (5) different animal groups
- 120- Birdhouse made from milk cartons

## Section 10 – 4-H Project Books

- 121- Display of three (3) animal track casts
- 122- Poster of a map describing different types of cover for animals
- 123- Poster describing animal signs that can be found in winter
- 124- Completed nature journal based on the suggested activities in the Wildlife Ecologist/Manager project

### EXPRESSIVE ARTS

#### Portfolio Pathways\*

- 370- Painting (One matted or framed print)
- 371- Printing (One matted or framed print)
- 372- Graphic Design (One design made on computer)

#### Sketchbook Crossroads\*

- 298- Drawing (One matted drawing)
- 299- Sculpture

#### Fiber Art\*

- 180- Skein of yarn, member 8-12 years old
- 181- Skein of yarn, member 13-18 years old
- 182- Off loom weaving, member 8-12 years old
- 183- Off loom weaving, member 13-18 years old
- 184- Tie-dye, member 8-12 years old
- 185- Tie-dye, member 13-18 years old
- 186- Fleece blanket, member 8-12 years old
- 187- Fleece blanket, member 13-18 years old
- 188- Other (not knitting, crochet, or loom weaving), member 8-12 years old
- 189- Other (not knitting, crochet, or loom weaving), member 13-18 years old

#### Photography Basics\*

- 233- Five (5) photos with improvements listed
- 234- One (1) reflection photo
- 235- One (1) dramatic photo
- 373- Three (3) photo journal pages from project book

#### Next Level Photography\*

- 374- Three (3) pictures of the same objects, shot with different apertures
- 375- One (1) silhouette photo
- 376- Three (3) to five (5) photos of an object at different viewpoints
- 377- Three (3) photo journal pages from project book

#### Mastering Photography\*

- 378- One (1) wide-angle photo
- 379- One (1) panoramic photo
- 380- One (1) still-life photo
- 381- Three (3) photo journal pages from project book
- 382- One (1) photo that does not fit into another category

#### Theatre Arts\*

- 236- Puppet or Puppets made in project
- 237- Poster showing stage design, make-up, or other part of the project
- 238- Costume

#### Other Craft

- 383- One (1) handmade craft item

### FOODS AND NUTRITION

#### Cooking 101\*

- 302- Three (3) granola bars
- 303- One coffee cake or a one-layer quick mix cake
- 305- Two (2) brownies
- 306- Three (3) peanut butter cookies
- 307- Poster on one of the following topics: MyPlate, sugar in soft drinks, microwave safety, setting the table, or salad preparation (14" X 22")

#### Cooking 201\*

- 308- One (1) any size loaf or one of the following variations of a basic quick bread in the project book: apple, banana, carrot-orange, orange-nut, or whole grain
- 309- Three (3) cheese muffins without bacon
- 313- Two (2) biscuits
- 314- One 9" X 9" or 8" X 8" banana snack cake
- 315- One 8" X 8" funny cake or wacky cake
- 316- Four (4) snickerdoodle cookies
- 317- Poster on one of the following topics: meal planning, buying fruits and vegetables, cooking with ground beef, or reading a food label (14" X 22")

#### Cooking 301\*

- 318- Three (3) of one type of shaped roll using a basic dinner roll or whole wheat roll recipe
- 319- Two (2) soft pretzels
- 320- One (1) loaf of basic yeast bread (white or other variety) or white batter bread
- 321- One (1) round (or square) of cinnamon rolls (8- or 9-inch round or square pan with icing)
- 211- One (1) loaf (any type) of bread made in a bread machine
- 218- One (1) layer of one of the following unfrosted cake: white, chocolate, oatmeal, or carrot
- 210- Poster on one of the following topics: slow cooking, yeast breads, types of grains, making butter, or kitchen equipment

#### Cooking 401\*

- 384- One (1) loaf of one of the following: German dark rye, French bread, OR other yeast bread
- 385- Four (4) pieces of one type of candy: peanut or cashew brittle, microwave peanut or pecan brittle caramels, marshmallow fudge or toffee
- 386- One (1) pastry tart (without filling) or four (4) strips of baked pastry
- 387- One (1) angel food cake, any flavor, without frosting or icing
- 388- Poster on one of the following topics: cooking with a double boiler, cooking beans and peas, stir-frying, OR fruit selection

#### Global Gourmet\*

- 389- A dessert cake or bread from another country or culture (indicate country or culture and provide recipe)
- 390- Poster giving information about foods from a country or culture outside of the U.S.

#### Breads around the World

- 391- One (1) loaf or round bread made from a recipe that originates outside the U.S. (attach recipe)
- 392- Three (3) of the same type of bread product that

## Section 10 – 4-H Project Books

originate from another country or culture. (Indicate country/culture and attached recipe)  
393- Poster on a specific bread with information about the country or culture the bread represents. Include a recipe or recipes on poster

### Grill Master\*

310- Foil pouch made as illustrated in project book  
394- Poster providing plan for grilling off-site  
395- Charcoal grill made by member

### Beyond the Grill\*

304- Poster on one of the following topics: how to pack a cooler OR outdoor food safety  
396- Notebook or collection of 5-10 recipes you have prepared in your project, include at least one Dutch oven recipe.  
397- Poster with outdoor party preparation timeline

### Science Fun with Kitchen Chemistry\*

311- Poster on one of the food experiments in the project book. Include observations and results

### Cake Decorating

398- Decorated cookie (1)  
399- Sugar mold decoration (1)  
400- Decorated single layer sheet cake or round (use real cake not a form)  
401- Decorated stacked or tiered cake (use real cake that can be sliced)  
402- Poster sharing a technique or skill learned in you Project

### Candy Making Book

403- Candy with recipe

### Make it with Mixes Book

404- Product from book with recipe

### Colonial Foods Book

405- Product from book with recipe

### Microwave Magic

406- Product from book with recipe

### Snack Attack

312- Product from book with recipe

### Food Preservation\*

407- A collection of 3-4 dried fruit and vegetable leathers  
408- A label for a product preserved by freezing  
409- Three (3) labeled jars of different canned jams and jellies.  
410- One (1) labeled jar of a canned vegetable using the pressure canning process.

## HEALTH

### First Aid\*

161- First-Aid kit for home or car (do not include actual medications)

### Staying Healthy\*

258- Poster on topic learned during the project year or chart showing progress toward a health-related goal

### Keeping Fit\*

259- Poster on topic learned during the project year or chart showing progress toward a health-related goal

## LEADERSHIP/PERSONAL DEVELOPMENT

### Club Officers

98- President Book  
99- Vice-President Book  
100- Secretary Book  
101- Treasurer Book

### Leadership

94- Grade 3-5 Workbook  
95- Grade 6-8 Journal  
96- Grade 9-12 Portfolio

### Communications

272- Poster related to project content

### Collectibles\*

273- One (1) collection made during the project

### Self-Determined\*

274- Project made during the year that does not have a previous category. Must complete a self-determined book to accompany the project  
275- Miscellaneous project that does not fit in previous categories made during the year

## PLANT SCIENCE

### Vegetable Gardening\*

142- Four (4) of the same type of vegetable on a plate  
293- Collection of 3-5 vegetables on a paper plate  
147- A pot (10" maximum) of an herb you grew  
148- Poster of a topic related to your garden project  
149- Garden and calendar plan showing the vegetables used in your garden and photographs  
150- Poster showing completed experiment from project, indicating the process and results

### Meet the Plants\*

140- Plant propagated with a 5" x 7" card describing the steps used in propagation

### Landscape Gardening\*

141- A landscape plot plan for the site you landscaped with before and after photographs

### Strawberries\*

144- One (1) plant in soil  
145- One (1) quart berries

### Indoor Gardening\*

143- Display a flowering plant with 5" X 7" card listing common name and scientific/botanical name  
294- Completed experiment from the project book with a 5" X 7" card describing the process and results

## SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

### Aerospace\*

69- One (1) handmade kite (box, diamond, delta, etc.)  
70- Poster of an aircraft or spacecraft control panel with Labels

### Computer Science\*

71- Four (4) greeting cards representing a special Occasion  
72- T-Shirt, Animation, Magazine, OR Special Effects Photograph  
411- Multi-Media Presentation, Website, Color

## Section 10 – 4-H Project Books

- Magazine, Presentation Animation, OR Map
- Electricity: Unit 1\*
- 74- Simple working circuit using a light buzzer, or other electric-powered object
- Electricity: Unit 2\*
- 75- Simple telegraph, burglar alarm, or rocket launch system
- Electricity: Unit 3\*
- 76- Electrical tool and supply kit with items labeled
  - 77- A switch, labeled as either single pole or three way, correctly wired
- Electricity: Unit 4\*
- 412- Working integrated circuit
  - 413- LED circuit with blinking light
  - 414- Alarm built using photocell or SCR intruder alarm
- Robotics
- 89- Poster of project activity
  - 415- Model from project book activities
- Rocketry\*
- 73- One (1) Single Stage Rocket – Simple Tube Design
  - 416- One (1) Single Stage Rocket – More Advanced Design
  - 417- One (1) Basic Multistage Rocket
  - 418- One (1) Advanced Multistage Rocket
  - 419- One (1) Bottle Rocket
- Small Engines: Unit 1\*
- 78- Display a small (Max. 18 hp) engine with external parts identified by name and functions
  - 79- Display 10 tools or pictures of 10 tools and describe their functions
  - 80- Poster focusing on small engine shop safety (14" X 22")
- Small Engines: Unit 2\*
- 420- Display a small (max 18 hp) engine with internal parts identified by name and function
  - 421- Display or poster focusing on personal safety in a small engine shop
  - 422- Display or poster on engine oil viscosity and service classification
- Small Engines: Unit 3\*
- 423- Poster or display on troubleshooting an engine, how the problem was identified, and how it was fixed
  - 424- Display or poster on the research done in consideration of starting a small engine business
- Woodworking\*
- 81- Small accessory, member 14 years of age or younger
  - 82- Small accessory, member 15 years of age or older
  - 83- Small furniture, member 14 years of age or younger
  - 84- Small furniture, member 15 years of age or older
  - 425- Large accessory, member 14 years of age or younger
  - 426- Large accessory, member 15 years of age or older
  - 427- Large furniture, member 14 years of age or younger
  - 428- Large furniture, member 15 years of age or older
  - 429- Projects without finish, where finish is not desired
- GROUP EXHIBITS**
- 4-H Club Exhibits
- 430- Promotional
  - 431- Educational
  - 104- Club Scrapbook\*