Join Orange County 4-H members by entering your handmade creations for evaluation and display. Share your hard work with all of Orange County!

Important Information for Exhibitors!

GENERAL INTEREST

Cornell Cooperative Extension
Orange County
For 2020, you must make an appointment to bring your project(s) to the Education Center & 4-H Park, 300 Finchville Turnpike, Otisville, for curbside drop-off. We will be following New York State and CDC Guidelines. Upon arrival, you will be required to sign an Acknowledgement of Risk and a Health Screening Form.

**Acknowledgement of Risk - For Review Only - DO NOT SIGN**

**Health Screening Assessment - For Review Only - DO NOT SIGN**

Masks are required to be worn at all times during your stay at the 4-H Park.

Please make an appointment to bring all your entries to the Education Center & 4-H Park on either Friday, September 25th between 2pm and 8pm or Sunday, September 27th between 12pm and 4 pm. **Registration Deadline is September 24th!**

**Include Registration info here**

- ✓ Be sure to fill out tags for each exhibit that you plan to enter.
- ✓ Every exhibitor must also fill out an Entry List detailing each of the entries being submitted before arrival at the Education Center & 4-H Park.
- ✓ If you have any questions please feel free to contact DeAnna at ds2285@cornell.edu or (845) 344-1234 ext. 249

Projects will be photographed and displayed on the CCE Orange County website and the Orange County 4-H website.
# Index

General Rules, Entries ........................................................................................................... 6

<table>
<thead>
<tr>
<th><strong>HORTICULTURE</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 6 Vegetables Crops</td>
<td>4</td>
</tr>
<tr>
<td>Section 7 Ornamental Horticulture</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>NATURAL SCIENCE</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 8 Natural Sciences/Natural Resources</td>
<td>9</td>
</tr>
<tr>
<td>Section 9 Entomology</td>
<td>10</td>
</tr>
<tr>
<td>Section 10 Fungi, Mushrooms and Plant Disease Collection</td>
<td>11</td>
</tr>
<tr>
<td>Section 11 Weather Equipment</td>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>STEM</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 12 Woodworking</td>
<td>11</td>
</tr>
<tr>
<td>Section 13 Electric</td>
<td>12</td>
</tr>
<tr>
<td>Section 14 Rocketry</td>
<td>14</td>
</tr>
<tr>
<td>Section 16 Fire Safety</td>
<td>14</td>
</tr>
<tr>
<td>Section 17 Photography</td>
<td>14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>FAMILY &amp; CONSUMER SCIENCES</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 19 Textiles &amp; Clothing</td>
<td>16</td>
</tr>
<tr>
<td>Section 20 Needlework</td>
<td>18</td>
</tr>
<tr>
<td>Section 21 Home Environment</td>
<td>18</td>
</tr>
<tr>
<td>Section 22 Child Development/Care</td>
<td>18</td>
</tr>
<tr>
<td>Section 22A Healthy Living</td>
<td>19</td>
</tr>
<tr>
<td>Section 23 Hobby Crafts</td>
<td>19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GENERAL</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 24 4-H Club Leadership &amp; Achievement</td>
<td>21</td>
</tr>
<tr>
<td>Section 25 Exhibitor Leadership &amp; Achievement</td>
<td>21</td>
</tr>
<tr>
<td>Section 26 Animal Science Exhibits</td>
<td>21</td>
</tr>
<tr>
<td>Section 27 Heritage &amp; Horizons</td>
<td>22</td>
</tr>
<tr>
<td>Section 28 Community Service &amp; Marketing</td>
<td>22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>ENTRY BLANKS</strong></th>
<th><strong>Page</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry List <em>(sample form on page 26)</em></td>
<td>24-25</td>
</tr>
<tr>
<td>Entry Tags</td>
<td>26</td>
</tr>
</tbody>
</table>
General Rules

1. Exhibits are entered at exhibitor's risk, and no responsibility is assumed by Orange County 4-H nor Cornell Cooperative Extension Orange County Association.

2. All exhibits must be owned by the Exhibitor and must have been made or grown by the youth during the present project year.

3. Projects will be dropped off for evaluation and picked up the following week by APPOINTMENT ONLY.

How is judging done? The Danish System is used to evaluate 4-H project exhibits. In this system there is no limitation to the number of awards that may be presented at any level. Each entry receives an award. Items are compared to a standard (set of criteria) not to each other. Awards include:

**Blue or Excellent:** The workmanship shows little need for improvement compared to the relative standard. A blue ribbon will be received.

**Red or Good:** The workmanship is satisfactory or average but there are definite areas for improvement, even considering the age and challenges of the child. A red ribbon will be received.

**White or Worthy:** The workmanship shows that a worthy effort has been made and that the finished product is useable for the purpose intended. However, there is much need for improvement even considering the age and challenges of the child. A white ribbon will be received.

Items that do not meet specifications listed or class descriptions are disqualified. No awards are given for: exhibits showing inadequate effort and skill required for age and experience level, soiled or damaged exhibits and unfinished products. (Exhibits should be ready for use including, hooks, etc. for fastening or hanging or lighting and should not have a wet finish.)

In addition to the quality of workmanship, age, skill level, years in the project category, factors that may limit the abilities of youth, and type of adult supervision are considered.

Exhibition Rules

1. All exhibitors MUST sign an Acknowledgement of Risk and Health Screening Assessment upon arrival of the Education Center & 4-H Park.

2. MASKS MUST BE WORN AT ALL TIMES while on the Park premises.

3. All drop-off and pick-up of entries will be by APPOINTMENT ONLY.

Section 6 Category 11 Vegetable Crops

The Vegetable Crops program teaches skills and develops interests in gardening and vegetable products which will enrich the lives of Exhibitors, other youth and adults.

Vegetable gardeners of all ages are proud of their ability to produce their own food and anxious to show off the products of their gardening efforts. The 4-H program offers members a chance to display their garden produce and to build their knowledge and pride.

**Vegetable Exhibiting**

1. Exhibits must be grown by exhibitors in their individual family or community gardens.

2. Any individual may make no more than 3 entries per vegetable, and each of those entries must be distinctly different variety and correctly labeled. Only one entry is allowed in the miscellaneous class by an exhibitor.

3. Each exhibit must be labeled with correct variety name. Otherwise, awards will be downgraded one place.

4. Placings will be made on the group award basis according to the following standards:

   - **Excellent (Blue Ribbon)** clean; only very minor defects in general appearance; best market size and quality; true to varietal characteristics. For exhibits with more than one specimen: not more than 10 percent variation in sizes, uniform in shape, color and degree of maturity.

   - **Good (Red Ribbon)** clean, slight defects in general appearance, defective, unusable parts in the normally edible sections should not exceed 5 percent; good market size and quality. For exhibits with more than one specimen, not more than 25 percent variation in sizes, only slightly detectable variation in shape, color and degree of maturity.

   - **Worthy (White Ribbon)** fairly clean; some defects in general appearance; defective, unusable parts in the normally edible sections should not exceed 10 percent; fair market size and quality. For exhibits with more than one specimen; not more than 100 percent variation is sizes; noticeable variation in shape, color or degree of maturity.

   - **No Award Exhibit (No Ribbon)** dirty; serious damage apparent; defective, unusable parts in the normally edible sections should not exceed 10 percent; unsatisfactory market size or quality. For exhibits with more than one specimen; more than 100 percent variation in sizes; extreme differences in shape, color or degree of maturity.

Store bought vegetables will be disqualified.

An exhibit can be not better than its worst fault.
Display all vegetable and fruit (those developing from a flower such as cucumber, peas, bean, eggplant, pepper, corn, summer squash, watermelon) with 1/4 to 1/2 inch of stem still attached. The exceptions are tomatoes and muskmelons, where stems must be removed.

**Garden Vegetables**

**Class No. 210**

**Beans, Lima**, 5 green pods containing edible beans

**Beans, Snap**, green, 5 pods

**Beans, Snap**, yellow, 5 pods

**Beans, Snap**, pole or vining type, 5 pods

**Beans**, green shell, 5 pods, any variety including edible soy, Horticultural, Kentucky Wonders

**Beans**, dry shelled, 1/2 cup in container, dry field bean variety including mung, adzuki, fava

**Beets**, 3, tops trimmed to 1 inch, no green shoulders

**Broccoli**, 1 head or bunch of small heads, 5 inches or more in diameter

**Brussels Sprouts**, 1 pint basket

**Cabbage**, 1 head, 2 to 4 pounds, with 3 to 4 wrapper leaves, any fresh market variety.

**Carrots**, 3, tops trimmed to 1 inch, no green shoulders

**Cauliflower**, 1 head, leaves cut just above head Celery, 1 plant, roots off

**Chinese Cabbage**, 1 head

**Chinese Cabbage**, loose leaf, roots off, 1 plant

**Corn, Sweet**, 3 ears, husks removed completely, shank trimmed to 1/2 inch, display in transparent bag

**Cucumbers**, 2 slicing types, 5 inches or longer, 2 inches or less in diameter

**Cucumbers**, 5 pickling type, 3 5 inches long

**Cucumbers**, 5 pickling type, less than 3 inches long

**Dill**, bunch of 6 seed heads, tied or in transparent bag

**Eggplant**, 1 large oval and oblong type such as Black Beauty, Black Magic, Black Enorma, Dusky

**Eggplant**, 2 small, slender and round types such as Easter Egg, Ichiban, Long Tom, White Beauty

**Endive**, 1 plant, roots off, good market size

**Garlic**, 3 bulbs, dried, braided together or tops trimmed to 1 inch, cleaned but not peeled

**Herbs**, any kind, tied bunch or plant in pot

**Kale**, 1 plant, roots off

**Kohlrabi**, 2, tops and tap root trimmed to 2 inches

**Leek**, 3 large, trimmed

**Lettuce**, leaf, 1 plant, roots off, good market size

**Lettuce**, head, 1 plant, roots off, good market size Muskmelon and Honeydew melon, 1 good market quality Mustard, 1 plant, roots off

**Okra**, 4, 1-1/2 to 3 inches long

**Onions**, bulbs, 3 tops trimmed to 1/2 inch, well cured and dried, not peeled

**Onions**, 6, green bunching type, tops on but trimmed evenly

**Parsley**, 1 plant, roots off, good market size and quality

**Parsnips**, 3, tops trimmed to 1 inch

**Peas**, 5 pods

**Peppers**, 2, large types such as Bell, Cubanelle, Italian Sweet

**Peppers**, 3 small types such as Banana, Hungarian Wax, Cherry, Jalapeno

**Potatoes**, 3 tubers, 5 to 10 ounces

**Potatoes**, 1 pint basket, salt potato types, 3/4 to 1 1/4 inch diameter

**Pumpkin**, 1, ripe, any variety

**Radish**, 1 pint basket, tops trimmed to 1/2 inch

**Rhubarb**, 4 stalks, tops trimmed

**Rutabaga**, 1, tops trimmed off

**Shallot**, 3, tops trimmed to 1/4 inch, dried, not peeled

**Spinach**, common, 1/2 pound in transparent bag Spinach, New Zealand, 1/2 lb., bunch or tender tips, 3 to 6 inches long, tied or in transparent bag

**Squash**, summer, 2, young, skin tender, such as zucchini, yellow, scallop

**Squash**, winter, 2, any small types such as Buttercup, Butternut, Spaghetti, Table Queen, Golden Nugget

**Squash**, winter, 1, any large types such as Hubbard, Delicious, Banana

**Squash**, 1, soft and round stem, such as Big Max, Big Moon, Mammoth

**Sweet potatoes**, 3 roots, any variety

**Tomatoes**, 3 green, stem off, medium and large fruited varieties.

**Tomatoes**, 3, ripe, stems off, medium and large fruited varieties including Roma types

**Tomatoes**, cherry ripe, 1 pint basket, stems off, also Presto and small fruited type.

**Turnip**, 3 tops trimmed to 1 inch

**Watermelon**, 1 mature, market size

211. A collection of 3 related types, such as 3 varieties of pepper, or 3 vegetables that appear in an ethnic cuisine.
212. Miniature Vegetables, 6 of any one type, harvested at small or baby stage.

213. Ornamental Vegetables, 3, such as miniature pumpkins, gourds, decorative corn, ornamental kale (1 specimen).

214. Heirloom Vegetables, any variety from the Heirloom Garden Bulletin, exhibited in same manner as other vegetable classes.

215. Herbs, Dried. Show a minimum of 1 Tablespoon, Exhibiting a larger amount is acceptable. Herbs must be appropriately prepared for use.

216. Miscellaneous, any other vegetable not listed, display same number of specimens as similar crop listed.

217. Strawberries, 3, specimens judged under vegetable standards.

218. Vegetable Art, Vegetable character or sculpture, Geometric design, Neatness of assembly, Number of horticulture products used, Imaginative use of plants and plant materials, overall appearance.

Garden Records & Experiments

Class No.
220. Record of home garden, indoor gardening, or container gardening project. May be assembled in a booklet. “Top Tomato” largest growing challenge included here.

221. Garden Experiments: Poster, poster series, or booklet describing experiment or season extender method used in gardening. Drawings or photos required. Sample and demonstrations materials encouraged but not required.

Wholesale Market Packages

Class No. 230.
Potatoes, 10-lb. market package, any variety (limit of 2 entries, of different variety per exhibitor).

Onions, 10, 25 or 50 pound standard market package, any variety (limit of 2 entries of different variety per exhibitor).

Wholesale market package, minimum size 1/2 bu., 10-lb. bag, or crate of any vegetables other than potatoes or onions.

Limit of 3 entries each of a different type of vegetable.

Strawberry, Everbearing, 6 specimens, judged under vegetable standards.

Raspberry, 12 specimens, any variety.

Small Garden Exhibits Vegetable and/or Flower

Class No. 240.
This class is for the Exhibitors who are gardening in containers or have a small garden which will limit the number of specimens available for each entry.

Beans, 2 pods of lima, snap green, yellow, pole or vining type, and green shell.

Cucumbers, 1, slicing type or pickling type, any variety. Onions, 1, top trimmed to 1/2 inch, well cured or dried, not peeled.

Onions, 1, green bunching type, top on but trimmed evenly.

Peas, 2 pods.

Peppers, 2, all types.

Potatoes, 1 tuber, or salt potato types.

Squash, 1, summer or winter.

Tomatoes, 1, green, ripe or cherry.

Annual Flower 1 stem (limit of 3 entries per exhibitor)

Miscellaneous, 1 specimen of any vegetable not listed.

Class No.
241. Small Garden Sampler: One specimen of four different types of vegetables.

Section 7 Category 11
Ornamental Horticulture

1. Enter only flowers grown in gardens.

2. Only 2 entries of different varieties per flower or plant, except where noted.

3. Articles constructed for Ornamental Horticulture such as benches, trellises, etc., should be entered under Agriculture Engineering.

4. In all indoor garden classes, NO artificially colored materials, silk, plaster, or other artificial materials allowed unless specifically recommended in County 4-H project guides. Example: Christmas wreaths: ribbon is acceptable. See Indoor Gardening #6.

Cut Flowers

1. Three stems shall comprise a cut flower exhibit except as otherwise noted. All blooms must be the same color.

2. Flower stems should be eight inches long, except where type of flowers makes this impossible. Flowers that do not last as cut flower (hollyhock, four o'clocks) may not be entered.

3. Variety or type names must be listed for all cut flower except arrangements. Otherwise, awards will be downgraded one place.

4. Blooms of flowering shrubs and wild flowers will not be judged.

5. Gladiolus an entry is one spike, with a 12-inch stem.

6. Roses one stem hybrid tea, or floribunda, or climber.

7. Sunflower 1 stem is an entry.

8. Dahlias an entry is three blooms of one color, or one bloom if over 6 inches.
**Indoor Gardening**

1. Please list plant(s) and plant material used.
2. Houseplants must be single stem or crown in proportional container.
3. All items should follow recommended guides of balance, design, proportion and harmony.
4. Potted plants must have been established in container at least 4 weeks.
5. Plants must be free of active insect infestation. Plants showing infestation will be marked down at least one place at judge's discretion and may be refused.
6. Exhibitor should also include light and watering instructions on the back of the entry card, or on a separate 3 x 5” card.
7. No artificially colored, silk or plastic materials allowed unless specified in the Project Guide. (silk flower arrangement can be entered in Arts & Crafts only)
8. List ID sources.

**Class No. 270.**

**Potted house plant - flowering**

**Potted house plant - foliage or vine.**

**Potted house plant - hanging container.** More than 1 plant accepted.

**Miniature house plant - 2-1/4” 3” pot maximum.** Example, miniature African violet.

**Dish Garden**

**Terrarium** or closed eco-system

**Plaque of dried or pressed plant material:** includes other craft projects made with REAL plant material, (e.g. floral pictures).

**Dry or fresh flower corsage** in transparent bag.

**Table arrangement** of live or dry plant material, not over 12” in diameter and under 18” in total height.

**Holiday decoration** of live, dried or natural plant materials, no more than 18” in diameter or 24” long.

**Plaque** of dried or pressed plant material; includes other craft projects made with real plant material (e.g. floral pictures). Plaques and pictures need to be signed.

**Miscellaneous:** Other horticulture projects not listed. Permission of agent required before entering.

**Class No. 275.**

**Plant Collection** - Ten plants, pressed, mounted and labeled, with protective overlay.

**Categories:**

A. Ten Ornamental Trees – Leaf, Twig (and Fruit, Flowers and Seed if possible)

B. Ten Wildflowers
C. Ten Annual Flowers
D. Ten Perennial Flowers
E. Ten Ornamental Shrubs – Leaf, Twig (and Fruit, Flowers and Seed if possible)
F. Ten Weeds common to lawn, gardens, flowerbeds
G. Ten Seeds

276. Plant Collection Photo Record Book. Minimum of 20 photos. The collection of 20 plants can be a combination of several types of plants such as trees, shrubs, weeds, annuals, perennials, fungi, etc. Photos MUST be taken by the Exhibitor submitting the entry. Identify common and scientific names of each plant. List variety, growing requirements, location of plant, where photo was taken and identification of sources.

Horticulture Methods

This division enhances gardening skills and encourages the participant to think creatively.

1. Because of the difficulty of reproducing some of the horticulture methods, a poster or poster series format may be used. Use heavy paper and maintain a 14”x22” minimum.

2. Glue or tape photos and diagrams along with sheets of white paper that include your description within these sections: a. Introduction, b. Growing method used, c. what you learned or discovered.

3. Instead of a poster, an exhibit of method itself may be displayed.

Class No.
281. Hydroponic Gardening
282. Season Extender Methods
283. Propagation
284. Miscellaneous Any horticulture methods not listed

Container Gardens - Vegetable or Flower

Please list plants included in container

Class No. 290.
◆ Herb, any kind, plant in a pot.
◆ Herb Garden/Windowbox entry consists of labeled varieties.
◆ Pillow Packs - any vegetable or flower labeled.
◆ Windowbox - judged on plant selection, health, composition and design.
◆ Urn or tub for outdoor living - one or more plants in container, includes miniature roses, ornamental shrubs and other flowering and non-flowering.

Landscape Pictures and Plans

This division is a category in which youth can display what they have learned about the elements of design and how plants can be grouped effectively for ornamental or edible purposes. It also offers an opportunity to display their garden record keeping.

◆ All collections, pictures and plans will be enhanced by a clear, protective overlay.

◆ Markers, colored pencils or paints may be used to embellish the landscape plan.

Class No.
292. Home Grounds Landscape Photographic Album
◆ Must have at least six "before" and six "after" pictures of current year's work.

293. Plan or Map of Home Grounds
◆ Drawn to scale.
◆ Show things as they were at beginning of project.
◆ A second map, with suitable and necessary notes, showing changes and improvements made.
◆ In different colors, show changes and improvements yet to be made.
◆ Indicate direction north on plan.
◆ See "Young People's Guide to Landscaping."

294. Plan or Map of Apartment Dwelling
◆ Drawn to scale, showing grounds as they are currently.
◆ A second map, showing proposed changes that would improve existing grounds.
◆ Where ground space is unavailable, a terrace or porch garden of containerized plants can be depicted.
◆ Indicate direction north on plan.

295. Plan of Annual and/or Perennial Flower Garden
◆ Show varieties, name, placement, height and color.
◆ Use scale no smaller than 1 inch equals 4 feet.
◆ Indicate direction north on plan.

296. Plan of Home Orchard (tree fruit and/or berry crops)
◆ Show varieties, name, placement, height and time of fruiting.
◆ Use scale no smaller than 1 inch equals 4 feet.
◆ Exhibit should indicate current year's work. Current year's work will be judged.
◆ Indicate direction north on plan.
297. Plan of Home Vegetable Garden
◆ Show varieties, name, placement, height and approximate harvest times.
◆ Succession of plants may be indicated by a tracing paper overlay.
◆ Use scale no smaller than 1 inch equals 4 feet.
◆ Indicate direction north.

298. Plan of Community Service Beautification Project

299. Garden Record Book
◆ List plants chosen and varieties
◆ List reason for selection
◆ Garden design sketch, including lay-out, dimensions, and spacing
◆ Indicate direction north
◆ Photos showing before and after are helpful.

Section 8 - Category 11
Natural Sciences/Natural Resources

A Project Story is NOT required for all exhibitors entered in Natural Resources Section.

Class No.

300. Tree identification notebook as called for in the "Know Your Trees" project. Exhibits in this class are eligible for Project Exhibit ribbons. Leaf and twig samples are required from 6 different trees. Fruit samples are encouraged but not required.

301. Tree identification notebook as called for in the "Know Your Trees" project. Exhibits in this class are eligible for Project Exhibit ribbons. Leaf and twig samples are required from 15 different trees. Fruit samples are encouraged but not required.

302. Mounted display identifying at least 10 different kinds of wood found in New York wood lots, with their uses. Exhibits in this class are eligible for Project Exhibit ribbons. May be made up of small sections of the tree showing bark, cross and tangential sections of the trunk mounted on board.

303. Mounted display identifying at least 15 different kinds of wood found in New York wood lots, with their uses. Exhibits in this class are eligible for Project Exhibit ribbons. May be made up of small sections of the tree showing bark, cross and tangential sections of the trunk mounted on board.

304. Fly Tying - Exhibits in this class are eligible for Project Exhibit ribbons. A display of at least 4 different flies tied by the exhibitor, mounted and labeled will be acceptable. This must include at least 1 dry fly, wet fly, 1 Nymph and 1 streamer. Fly tying tools constructed and used by the exhibitor may also be included as part of this class. Judging to include such factors as: sizing of the fly, dimensioning of the wings, tapering of the body, applying of the tail, obtaining eye clearance, winding of hackle, position of working silk, making quill for body, leaving fluff on hackle, making of dubbin, segments for quill wings, finished head, and neatness and organization of display.

305. Fly Tying - Exhibits in this class are eligible for Project Exhibit ribbons. A display of at least 8 different flies tied by the exhibitor, mounted, and labeled will be acceptable. Fly tying tools constructed and used by the exhibitor may also be included as part of this class. Judging includes the same factors as in class 304.

306. Blue Bird House / Study or Chickadee - House includes Blue Bird Box and/or record sheets, posters and/or pictures.


308. Wildlife Feeds Board - a display showing 6 different samples of feeds that wildlife will eat, labeled as per Leaders Guide. Description tag should have at least the following: 1) tell what the feed is; 2) what part(s) of the specimen are eaten; and 3) what animal eats it. Exhibits in this class are eligible for Project Exhibit ribbons.

309. Wildlife Feeds Board - a display showing 10 different samples of feeds that wildlife will eat labeled as per Leader’s Guide. Description tags should have at least the following: 1) tell what the feed is; 2) what part(s) of the specimen are eaten, and 3) what animal eats it. Exhibits in this class are eligible for Project Exhibit ribbons.

310. Wild Bird Feeds Board - a display showing at least six different foods wild birds eat. Each specimen shall be labeled, including: 1) what it is; 2) the source; 3) which species eat it.

311. Animal Tracks - 6 labeled track casts on a finished board. Card on back with name of animal and where the track is likely to be found.

312. Recycling & Solid Waste Projects - Exhibits, poster, or poster series or binder showing recycling project completed. Suggested projects include records of observations. Comparative projects encouraged. Samples of stages of compost optional.

313. Composting Projects - including worm composting. Poster, poster series or binder of composting project. Worm composting must include records of observations. Comparative projects encouraged. Samples of stages of compost optional.

314. Other Environmental Awareness Projects: Projects suggested by "Environmental Awareness," "Wildlife Discovery," "Water Works" or similar programs.
315. Recycled Materials Projects: Exhibits using recycled materials to make a new object like planters, picture frames, bird feeders, etc.

316. Stream Monitoring Project: Must follow guidelines for project.

317. Maple Sugar Tour - This Natural Resource entry requires two of the following to be complete. Written pieces need to be neatly assembled in a booklet or mounted on a board for display.

- Recipe collection of 6 recipes using maple syrup as an ingredient (not all dessert recipes)
  Or
- A sample of an actual food item (ex. Easy Maple Squares or Maple Nut Cake) prepared by the Exhibitor utilizing maple syrup as an ingredient. Include recipe with entry. Sample should be 3 cookies or muffins; ¼ of cake; ½ a loaf displayed on a paper plate.
  Or
- A Photo Essay detailing the process of gathering maple sap and its transition to maple syrup. This should include 4-6 photos mounted and labeled.

318. Fossil Board - 3 labeled fossils displayed in a shadow box or wood board. On back of display a card should indicate date and location of where the fossils were found and any pertinent information about the fossil such as Paleozoic era, etc.

319. Citizen Science Experiments and Exhibits. Citizen Science: is the engagement of public participants in real-world scientific collaborations asking questions, collecting data, and/or interpreting results. A display or record of participation in a Citizen Science project could be part of a local, regional, national or international project and needs to include some kind of connection to scientists, researchers, or, policy makers and contribute to scientific knowledge that will be put to some type of use (by researcher, policy makers, etc.) Examples include: Wasp Watchers, Project Feeder Watch, eBird, Lost Ladybug, Adopt a Pixel, Nature's Notebook, or a local project. For more information:
http://www.birds.cornell.edu/citscitoolkit/contexts/youth-development/4-h/

Related Geospatial Science Projects

Exhibits that show skills and knowledge learned through GPS and GIS projects.

320a. GIS Maps. Maps made using ESRI (Environmental Systems Research Institute, Inc.) Arc GIS software or other mapping software. Criteria and Guidelines for Community Mapping Projects can be found on NYS 4-H web page. GIS map exhibits may be selected for a Display competition sponsored by NIFA and National Geographic Society.

320b. GIS or GPS project or activity. Undertaken by group or individual. Exhibit may be in the form of a project record book, photo documentation, CD or DVD. Exhibit must include project record documenting statement of purpose and outcome of project activity.

320c. Story or Outline of GIS or GPS Project. Include photos, purpose of activity and summary or results.

320d. Community Service/Youth Community Action Mapping Project. A mapping or GPS project built around a specific community issue or project.

320e. Educational Poster Exhibit displaying GPS or GIS Activities.


Section 9 - Category 11 Entomology

Please inquire for judging criteria if you are entering an exhibit in this category.

Class No.

325. Insect Life Cycle (including Butterfly) - Binder of life cycle, project, poster or poster series, life cycle binder must include record of observations. Each collection described below must be covered with a transparent material, preferably glass, mounted and labeled.


326. First Year Project Exhibits must include a minimum of 20 specimens representing 5 insect orders. Classification need not be taken further than order names. Mounting: The wings of all butterflies and moths must be spread.

327. Second Year Project Exhibits must include a minimum of 40 specimens representing 9 insect orders. Twenty specimens must have been collected during the current year. Twenty specimens must also be identified to common names (with names placed on the label). Mounting: The wings of all butterflies and moths must be spread and at least one small insect must be mounted on a point of minuten pin.

328. Third Year Exhibits must include a minimum of 60 specimens representing 12 orders. Thirty specimens must have been collected during the current year, thirty specimens must be identified to family. Mounting: The wings of all butterflies and moths must be spread and at least two small insects must be mounted on points of minuten pins.

329. Advanced Collections are to be 3rd through 8th year projects. Suggested exhibits include: life cycle collections of more than one species, single order collections, collections of insects found in or on specific habitats such as water insects, insect galls, collection of leaves containing leaf mining insects, insects that feed upon or any domestic animals and pets, insects collected from a
single kind of plant, (e.g. oak trees, shrubs, flowers), insect-damaged leaves, twigs and wood (identify insect to order and common name of the plant, etc. that the exchanged insect fees upon). General collections are not acceptable as Advanced Collections.

Bee Keeping Exhibits

Please inquire for judging criteria.

Class No.
330. Liquid Honey, three 1-lb. oval jars
331. Granulated Honey
332. Comb Honey in Standard Section (1 lb.)
333. Honey Display
334. Beeswax

Section 10 - Category 11
Fungi, Mushrooms & Plant Disease Collections

Please inquire for judging criteria if you are entering an exhibit in this category.

Class No.
350. Fungus Collections must have a minimum of 12 distinctly different kinds of fungi (mushrooms, toadstools, or bracket fungi). For full credit the dried collection should contain spring, summer, and autumn specimens and be labeled in the manner described in the 4-H project material "Fun with Fungi,"M-11-5.

351. First Year Plant Disease Collection must include a minimum of 15 diseased leaves or stems. Each specimen should be labeled to give the names of the host plant, the names of the disease, if known, and the date and place collected.

352. Collections of Lichens. At least 5 specimens of foliose type, 5 of fruitcose type and 5 of crustose type dried and glued to 3x5 or 4x6 inch file cards with date (state; county; town; city or village; road or street; date collected; collector's name; and habitat/ecological information) written on the back of each card. Cards to be displayed in a Riker mount. Identification to common name, where possible, is encouraged. Specimens should be at least an inch in diameter.

Section 11 - Category 11
Weather Equipment

Class No.
375. Weather Equipment. Attach a 4x6 inch card explaining:

1. The function and operation of each unit.
2. A list of the materials used.

Weather exhibits will be judged on neatness, quality of workmanship and operation.

376. Weather Records: of the weather phenomena observed and recorded through use of weather equipment made and other sources. Records may be in poster or chart form. At least one conclusion or generalization should be made from information gathered. To be judged on accuracy and neatness of recordkeeping and upon conclusion drawn from information.

Section 12 - STEM
Woodworking

Items made in sets, such as bookends or matched lamps, should be exhibited as one entry.

Articles should have the plans or design attached to it. Classes 401 - 404 are defined by how the projects are cut out; 401 and 402 Kits cut out by someone other than the member; 403 projects cut out by the member with hand tools, and 404 projects cut out by the member with power tools.

Please refer to general Rules No. 5-6 on page 6 for reference to article condition and judging.

On each exhibit, put a piece of masking tape with the member's name and club in case the exhibit tag falls off.

Class No.
401. Kits. Limited to pre-cut pieces from non 4H office source only.

402. Kit, Rough Finish Outdoor Oriented. Judges will recognize that many times outdoor oriented projects do not need the same sanding and finishing precision as indoor furniture and wood pieces. Projects should be finished/protected from weathering as necessary.

403. Hand Tool Class. Any article made as a Woodworking Project cut out with hand tools by the member. Electric sanders can be used.

404. Power Tool Class. Same as class 402, except cut out with power tools by the member.

Section 13 - Electric

1. Articles exhibited in this section must have been made by the exhibitor during the current project year which started September 1.

2. Snap on plugs are only acceptable when sockets are wired properly with underwriter knots and properly wrapped around terminal screws.

3. Safety, being one of the most important items both mechanical and electrical, will be considered on all exhibits.

4. All electric lamps should have a suitable and working bulb.

5. Electrician's knots must be used in socket and in the plug if not a snap on plug.
410. **Homemade New Lamp** - Kit such as Pin-Up Lamp or Mason Jar Lamp. Pieces may have been already cut out (must provide own bulb and shade).

411. **Non-Kit Homemade New Lamp.** - Kit lamps in which all materials are bought pre-made are NOT eligible.

412. **Remodeled Lamp** (with bulb and shade)

413. **Heavy Duty Extension Cord.** Three-wire grounded.

414. **Trouble Light with Cord.**

415. **Exhibit Board of Various Wire Types and Sizes.** As illustrated in "Facts About Fuses and Wires” project.

416. **Exhibit Board Showing Three-Way Switch.** As illustrated in Advanced Electrical Project.

417. **Homemade Toy Motor.** As illustrated in "Facts About Electrical Motors” project.

418. **Gotcha Boards.**

419. **Any other electrical item.** Example: Auto trouble light, pinup lamp, portable bench light, test lamp, multi-receptacle, extensions. Kits not eligible.

420. **B.L.B.S. Kit** with homemade base. Judged on both electrical and construction skills.

421. **Display Board** of at least 4 different splices and connections (i.e., Western Union splice, splice with nut connection, extension cord splice). Must be properly labeled.

422. **Display Board** of at least 4 different steps used in splicing wires together (i.e., 1) wire with insulation off, 2) splice made, 3) splice soldered, and 4) splice insulated). Must be properly labeled.

423. **Wall Unit.** Properly wired with breakers, switches, outlets, etc.

429. **STEM Project of the Month.** Collection of six projects done over the course of the year. Include data sheets where necessary.

430. **Robotics Team Project.** Must include a book containing all parts of the robotics program. Items to be included but are not limited to team roster, photos or drawings of robot used during competition, photos from contest, copies of core values presentation and project presentation, copies of rubrics from judging and any awards earned. All members who wish to receive credit for this must be listed within the book, must submit a completed fair tag, and list this entry on their project entry list.

431. **National Youth Science Day Experiment** - In addition to any supplemental materials that accompanied project or project developed by youth and approved by STEM Educator.

432. **STEM Presentation Boards**

433. **App Development** – Exhibit an original mobile app. Describe the purpose of the app and your inspiration.

434. **Beginning Coding Project** – Exhibit a simple program using Scratch or other simple graphic programming language. The program should include 8 different commands including looping and getting input from the keyboard and mouse. COMPUTERS ARE NOT PROVIDED FOR EVALUATION, YOU MUST BRING.

435. **Intermediate Programming** – Exhibit a program using Scratch or other simple graphic program that you have downloaded from the internet and modified. Compare the two programs and demonstrate the changes you made to the original program; Or create an animated storybook or video game using Scratch or other.

436. **Advanced Programming** – Exhibit an original program using a higher level programming language such as Python, Javascript, C++, etc.

437. **Miscellaneous.** Open to an Engineering project not otherwise listed. Entries in this class must be first approved. *Teen and STEM Jr. Leader Projects included here/*

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**STEM**

**Earthquake Journal**

426. **Plastic Models** such as those bought in stores (i.e., planes, cars, ships, etc.). Must be done as an Exhibitor project, not in school.

427. **National Engineering Week Challenge.** Kits as provided during the STEM Engineering challenge. Construction should follow appropriate guidelines as provided during the Challenge. Contact STEM Educator for further information.

428. **Rube Goldberg.** Team entries must contain tags from all team members. All team members should list this entry on their entry form.

**NOTE:** Evaluations of the Rube Goldberg Machines occur at the actual Rube Goldberg Contest in May.

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**Construction Projects with Manufactured Components**

Youth entering projects in the following classes use manufactured construction pieces to complete projects. Examples are Lego, K’nex, Brio and Mechnano, but projects are not limited to these examples. Projects can incorporate design, following instructions, three dimensional thinking, design modifications, problem solving, creativity, architecture, structural design, principles of mechanics and use of color in the planning and design process. These skills relate to the professions of engineering, science, construction, architecture and art.
Judging will be based on completion, complexity, presentation and explanation of design, understanding of principles and visual presentations. Must include following:

◆ **Number of pieces:** Youth must know the approximate number of pieces used in assembly. For kits, this number is on the box. It is understood that after a long creative process, it may be difficult to know exact number of small pieces; the youth must provide an estimate rounded to 25.

◆ **Diagrams:** Diagrams are required. A diagram could be a photograph printed on printer paper, a scale drawing on graph paper, a photocopy of an instruction sheet or a variable scale rough drawing. Relevant labels and explanations must be added. The diagram must include:
  1. Name of youth; 2. The title of the project; 3. The exact or approximate number of pieces and a self-judgment of complexity level (a. easy, less than one hour to assemble; b. medium, 1 3 hours construction time; or c. complex, more than 3 hours of construction time). Juniors may use a photocopy of kit provided drawings for the basis of their diagrams, but brand logo MUST be covered and not visible. The diagram can be displayed in a plastic stand, mounted on poster board or attached in a folder. Art value, ability of written work to attract, use of color and use of font add to design presentation.

◆ **Protection:** Youth may prepare a display box for the project. There is no evaluation or points for this box; it is merely protection. A simple box could be a cardboard box with two sides removed and replaced with clear plastic.

**Class No.**

444. **Kit:** This category is restricted to juniors (ages 8-13). Juniors are limited to two projects in this class. If two projects are entered, they must differ significantly (for example a creature, a building or a vehicle). Youth must enter a completed kit. Original story must describe design process and describing play with the model. Judging criteria includes: completion, complexity (number of pieces), diagram (of the completed model and key elements labeled), explanation/story (explanation of the design process, difficulties and interesting elements; describe plan value, imaginative play, what steps could be taken to improve model) and overall presentation.

445. **Original Model:** Youth are limited to two projects in this class, projects must differ significantly. The project can be a scene, diorama, model, building, vehicle, plants or creature. Judging criteria includes: completion, design (number of pieces, moving parts gear systems, axle systems (wheels), hidden entrances, pulleys, joints, projectiles and hinged components; unity of design originality, use of color, symmetry of creativity, fully developed concept diagrams comprehensive and detailed: an overall diagram of the completed model with key elements labeled, of moving part(s) or independent component; explanation/story/written report of design process, difficulties encountered and their solutions, description of play value, future expansion of project and overall presentation.

446. **Model Demonstrating a Mechanical Science Concept:** Projects must be original, no kits and can include level arms, gears, pulleys, friction, belts, airfoils (flight, wine), catapults and load bearing bridges and beams. Science concepts can include energy transfer, stress analysis, Newton's laws, gravity, etc. Entries in this class must include a working model, an equation describing a principle of science, a labeled diagram of the project and written explanation of the science involved. Evaluation will also include presentation and visual impact of the project. Youth may conduct experiments with model and provide results in written report. Judging criteria includes: working model that demonstrates a principle of mechanical science, must move or work as necessary; scientific equation that relates the principle, including clear definition of each term with equation displayed; labeled diagram provided that labels major parts of the model and also notes how parts or movement relates to equation; written report (no more than two pages) which explains the principle and how model illustrates the principle (may include additional page of experimental results using the model); written explanation that explains design and construction of the model, including any difficulties and how they were overcome, description of the principle of mechanical science that is demonstrated, clear understanding of scientific principles and explanation of how the model illustrates principle; and overall visual impact of project as prepared for display, including attractiveness of display.

447. **Transportation Design:** Applies transportation pieces such as Brio in which youth design a transportation system (road, railroad). Drawings are to be hand drawn. Judging criteria: presentation labeled with name of exhibitor and title of project to include schematic of system drawn to scale, roads, railroads and bridges clearly labeled or identified in the legend, seniors to use 11 x 17 drawing paper, must have fully developed concept, clear details, completeness of system (no dead ends) and show creativity; legend that explains the meaning of symbols such as roads, railroad, bridge, water, vegetation, buildings; written explanation that explains the design and the purpose of the system, problems encountered and their solution and directions project could take in the future; and overall presentation, visual impact as prepared for display and attractiveness.

### Renewable and Sustainable Energy and Climate Change

**Class No.**

448. **Exhibits in Renewable and Sustainable Energy and Climate Change**

- Educational exhibits/display(s) describing your project work done in the areas of:
  - Renewable Energy (solar, wind, geothermal, biofuels, hydro-electric)
- Energy Conservation (home, community, or school)
- Tracking (or studying) Climate Change
- Activities/Studies related to managing "Carbon Footprints" in the environment

- Exhibits may consist of stationary or working models, posters, photo story/display, or electronic media. Electronic media must be submitted on a storage device like a CD or flash drive. Information must be included on media to indicate method of viewing the entry.
- A short description of what was undertaken in the project, your experience, and what you learned through the project must be included. This can be included in the entry, itself, or on the exhibitor's information card.

### 3-D Printing
3-D printing uses plastic or other materials to build a 3 dimensional object from a digital design. Youth may use original designs or someone else's they have re-designed in a unique way. Youth must bring their finished printed object (we cannot print objects at Fair). Exhibits will be judged based on the complexity of the design and shape. Must include the following:

- a. Software used to create 3D design.
- b. Design or, if using a re-design, the original design and the youth's design with changes.
- c. Orientation that the object was printed.

### Section 14 - Rocketry
Class No.
451. **Model Rocket Kit.** All prepackaged kits go in this class. Rocket will be checked for workmanship, sanding, smooth paint job and stability. (Limit 4 entries per exhibitor.)

452. **Rocketry (Advanced).** Designed and built by Exhibitor.

### Section 16 - Category 11
**Fire Safety**

#### Class No.

456. **Other.** Any other fire safety-related projects.

### Section 17 - Category 11
**Photography**

All photographs must have been taken by the exhibitor during the current year. **Exhibitors are limited to four photography entries in total.** All exhibits must be mounted on sturdy background. Exhibits will be judged on technical quality, composition, story-telling ability and preparation of exhibit. All exhibits should be titled on the front of the exhibit.

No photographs to be smaller than 4 x 6 inches nor larger than 11 x 14 inches. Adjacent to each photograph must be a title or caption to assist the viewer to interpret the photographic message. Exhibit preparation to demonstrate good workmanship and use of materials.

On the back of each exhibit list: class number, exhibitor's name, county, age, number of years in photography projects.

#### Class No.
480. **Single Film Photo.** Black and white.

481. **Single Film Photo.** Black and white enlargement (5”x7” or 8”x10”).

482. **Single Film Photo.** Color.

483. **Single Film Photo.** Color enlargement. (5”x7” or 8”x10”)

484. **Film Photo Story.** Composed of 4 to 8 prints of similar size.

485. **Photo Study Class.** Shall consist of one of the following:

- a. Four photos demonstrating four methods of isolating the subject; not more than three objects permitted in each photo.
- b. Four close-up photos with a different main light source in each front, back, and diffuse.
- c. Four photos, each to illustrate one idea, i.e., hidden lines and shapes, framing, patterns, perspective or texture. Show differences same topic, different location, angles, etc.

486. **One to three photographs** developed and printed by exhibitor and properly mounted.
487. Darkroom Technique. Up to four enlargements. 8”x10” maximum size. Use film you processed and picture you printed. Attach contact print of each negative. Indicate control techniques used, if any, including spotting. For color enlargements, indicate process used color printing paper or enlarging film.

Class No. Digital Images

488. Single Unedited Digital Image. Picture comes straight from the camera, no modification.

489. Single Slightly Edited Digital Image. Image somewhat digitally edited or enhanced. Modifications may include: cropping; sharpening or blurring; brightness or contrast changes; or the addition of text. Thumbnail of the original image shall accompany exhibit.

490. Single Heavily Edited Digital Image. Image has been radically digitally edited or enhanced. Modifications may include: addition to or the removal of parts of the image; changes in the color scheme of the image; the use of filters or effects; or animation using digital images, etc. Thumbnail of the original image shall accompany exhibit.

491. Using Multiple Digital Images. Multiple images may be combined to create a single print (prints may mix color and monochrome images for extra impact). Thumbnail of the original images must accompany exhibit.

492. Story Composed of 4-8 Digital Images of Similar Size. If edited images are used, thumbnails of the originals shall accompany exhibit.

493. Using Digital Images. A short statement, story or article using one or more digital images to illustrate, visually explain or enhance its meaning.

494. Computer Graphic Design. Design a graphic to be used to promote your county or in New York State. Design must: be black and white, be copy friendly, and have been generated by a computer. Use of graphics from the world wide web are allowed if proper citing is used.

495. Enlargement. Color or black & white, 5”x7” or 8”x10”.

Slides

496. Individual Color Slide. (Note: slide should be displayed in protective cover and labeled with name and address.)

497. Slide Story. Composed of 5 to 7 slides displayed in protective cover accompanied by a written script.

Class No. Video Project

498. Video Project. Videos submitted must be at least seven minutes in length. All videos must feature a 4H project, activity, or promotion. Judging criteria include technical quality, organization and communication of message, creativity in approach. Project may be submitted as a CD or DVD, no VHS tapes will be accepted. If project is submitted as a computer file, clear documentation for opening and viewing procedures as well as software requirements should be included in supporting documentation. To ensure that the project can be viewed and evaluated, exhibitor should supply the necessary hardware and software at the time of Project Exhibit and ensure that it is accessible and operational at the time of exhibition and evaluation.

Class No. Miscellaneous

499. Miscellaneous. Any other photography project not mentioned above. Requires a minimum of 4 hours of work. Maximum of two entries in this class.

500. Career Photo Journal (includes digital prints). A minimum of 5 pictures must be taken by exhibitor for every 5 pictures, one more picture showing the exhibitor participating taken by someone else, may be included. This can be exhibited every year. Must include a minimum of 5 pictures from current year.

501. Photo/Marketing Contest. Limit of 4 entries per member, pictures can also be taken by parents and leaders. Entries will automatically receive a blue ribbon. Action shots will score higher. Do not frame or attach to anything. Top entries will be eligible for selected prizes.

502. Pictures of Projects, Activities and Trips -any size. Images will be evaluated based on design, ability to tell a story, and marketing appeal.

503. PowerPoint Presentation. Submit a hard copy of your presentation as well as a disc or flash drive. To ensure that the project can be viewed and evaluated, exhibitor should supply the necessary hardware and software at the time of Project Exhibit and ensure that it is accessible and operational at the time of exhibition and evaluation.

504. Creative Framing. One exhibit per exhibitor, commercial frames are ineligible. Exhibitor is expected to draw on their artistic sensibilities to enhance an existing image via the creative framing process. Photographic Image may come from classes 480-495. Exhibit should create a visual image that is more powerful than the sum of all its parts. Photo is NOT judged separately as part of the exhibit.

Food Preservation

Criteria for Exhibiting Home Canned Foods

Any processed food, including dried, foods and maple syrup will be evaluated based on appearance and process used. Because of food safety concerns, the entry will not be tasted or opened.

◆ Remember: use only United States Department of Agriculture (USDA) tested and approved recipes. The USDA has researched, tested and approved recipes for home canning. In order to obtain a safe, quality product use only up-to-date (1994 or later) USDA approved recipes. Approved recipe sources include: * National center for Home Food Preservation at www.uga.edu/nchfp/
◆ So Easy to Preserve, University of Georgia
◆ Your local Cornell Cooperative Extension Office
◆ Ball®Blue Book
◆ Canned exhibit consists of one clear-glass Standard Mason jar processed with a self-sealing, two piece lid (metal lid and metal ring). Rings should have been removed after processing and cooling in order to clean and store the canned good. Rings should be put back on for transport to fair, but removed by exhibitor before judging.
◆ Top of jars must be labeled with the product and date processed. Do not put labels on the sides of the jars (this makes it difficult for judges to view the product).
◆ Attach a separate card securely to the exhibit and include:
  ◆ Recipe
  ◆ Recipe Source (Site Ball Blue Book or other USDA source (not family member)

The card should include the following information if not already included in the recipe:
◆ Contents
◆ Type of pack (hot or raw)
◆ Type of processing (boiling water bath or pressure canner)
◆ Processing time
◆ Altitude adjustment if required
◆ Date of processing

◆ Headspace - Appropriate headspace requirements must be followed. In general Fruit Juices ¼ inch; Vegetables ½ inch; Jams and Jellies 1/8 ¼ inch; Pickles ½ inch; Tomatoes ½ inch or according to USDA approved recipes.
◆ Jars must be free of cracks, chips, etc.
◆ Each exhibit must be vacuum sealed.
◆ The following entries will be disqualified:
  ◆ Foods processed and packages not following current (1994 and later) USDA recommendations
  ◆ Paraffin sealed jams and jellies
  ◆ Jars with zinc lids
  ◆ Foods in green jars or non-standardized jars
  ◆ Jars with more than 2” headspace
  ◆ Jars with added color, bleach, sulfite or other preservatives, unless called for in a USDA approved recipe. (For example, baking soda may not be added to green vegetables)
  ◆ Jars or food that were made and processed over one year ago.

560. Canned Fruit, pint or quart jar, vacuum sealed. (To include applesauce)
561. Canned vegetables, pint or quart jar, vacuum sealed.
562. Canned Fruit Juice, pint or quart jar, vacuum sealed.
563. Tomatoes, pint or quart jar, cut or whole in own juices.
564. Tomatoes, pint or quart jar of tomato juice, vacuum sealed.
565. Marmalade, half-pint or pint jar, vacuum sealed / no wax or paraffin.
566. Jam, Half-pint jar, vacuum sealed.
567. Jelly, half-pint or pint jar, vacuum sealed.
568. Pickles: 1 pint, vacuum sealed.
569. Maple Syrup Products - An exhibit will consist of homemade maple syrup in a clear glass bottle appropriate for syrup products. A card will be attached to the entry with the process used to make the syrup and the resource(s) of their information.
570. Miscellaneous - other canned goods not listed. Contact Educator before entering.
571. Fruit leather, place in plastic bag or glass jar.
572. Dried Fruit, 1/2 pint glass jar or plastic bag.
573. Dried Vegetables, 1/2 pint glass jar or plastic bag.
574. Dried Herbs

Section 19 - Category 11
Textiles & Clothing

Class No.
600. Equipped Sewing Box; with four hand-sewn items.

OR

601. Fabric covered storage box.

Beginning Clothing

Judging will be on workmanship and general appearance. Garments which have been worn may be exhibited if they have been washed, neatly ironed, and mended, if necessary. Garments should be enclosed in cellophane or a transparent covering.

In addition to the entry tags, a card must be fastened inside hem or lower edge of garment with the following information:
1): age of exhibitor, 2): number of years in clothing experience, 3): fiber content, 4): care label information, 5): name or source of pattern (it is recommended to include pattern envelope and/or directions, if possible).

Please Note: ANY garment that is soiled or incomplete will not receive an award.

Articles made by a serger machine are acceptable.

Garment constructed by 1st, 2nd, or 3rd year clothing member.
Intermediate Clothing

Garment and/or outfit constructed by 3rd, 4th, 5th, or 6th year clothing member which helps to master one or more learning experience: EXAMPLES two-piece outfit; skirt and vest; blouse and skirt, or simple unlined jacket or pants suit, dress, or lounging outfit.

Class No.


608. *Intermediate Clothing Sewn: garment which was JUDGED at Clothing Revue.

*Be sure award from clothing review is marked on Entry Tag and Entry Sheet.

Advanced Clothing

Garment/outfit constructed by an accomplished seamstress with five or more years as a clothing member and at least 14 years of age. Garment / outfit should be complex enough to show the advanced skill and advanced skill and experience of the member... tailored pants with fly and set-in pockets; detailed skirt and blouse; dress, lined coat, suit, bathing suit, nightgown and robe; formal dress; sued or leather coat or ensemble, etc.

Class No.

609. Advanced Clothing

610. *Advanced Clothing Sewn: outfit which was JUDGED at Clothing Revue.

*Be sure award from clothing revue is marked on Entry Tag and Entry Sheet.

*Clothing Revue Garments

a. The award received at Clothing Revue must be marked on both parts of the entry tag and on entry form.

b. All Clothing Revue garments exhibited must be neat and clean. Exhibitors may elect to enter a clothing revue garment in a regular class to be judged. This is special to Exhibitors who have made corrections or improvements.

c. Enter Clothing Revue garments in appropriate Clothing Revue classes only: 606, 608, and 610.

611. Outfit or garment, at any level of skill, sewn by Beginner, Intermediate or Advanced. (Miscellaneous).

Special Interest Groups

Class No.

612. Recycled Garments - A modified/recycled garment you purchased in the past and salvaged by significantly altering the original design OR remodeled or renovated items that are not clothing, like jeans turned into grocery/all-purpose bags, t-shirts turned into a purse, towels turned into a dog toy, etc.

613. Costumes - made using materials and construction techniques appropriate for the costume design and use. For example if the costume is be worn only once in a school play, the "look" of it from a distance will be more important than neat sewing.

614. Historically Accurate Clothing, Sewn - clothing made using materials and construction techniques appropriate for period clothing. Exhibit does not have to use the exact fabric or technique but there should be evidence of effort.

615. Textile Arts - apparel made using a form of textile art other than sewing. Items may be crocheted, knitted, woven, etc. NO FABRIC PAINTS.

616. Wearable or Non Wearable Items Designed and Constructed by Exhibitor - Designs may be made by hand, by computer or by combinations/design alterations of purchased patterns. Include pattern and description.

617. Purchased Garment - entries in this class should reflect wise consumer decision-making. Garment or outfit must be accompanied by an 8 ½"x11" information notebook. The notebook must include the following: a. Color photo of entrant wearing garment or outfit label photo with name, county, and color of complexion, hair and eyes; b. Cost of garment cost of fabric, notions, pattern, labor, etc.; c. Story that describes why the garment was purchased, how it fits into wardrobe, fabric structure, fiber content and care; d. Simple accessories selected; e. activities for which garment will be worn.

620. Non-Apparel, Sewn - examples include remodeled or renovated garment; garment made with knitting machine, outdoor equipment such as backpack, tent, sleeping bag: article for a horse such as saddle pad, cooling sheet, saddlebags; crochet or hand-knit garment; garments using "heritage" techniques including crewel, applique, or patchwork. In addition to the information on the attached card. For heritage garments; include a paragraph stating historical information you learned in connection with this project.

621. Creative Clothing or Accessory: these items, designed by the exhibitor, should have a decorative and/or functional purpose. Examples include vest, tie dye, or batik scarf or sash, macramé shawl, tie, woven belt, head piece, jewelry. In addition to the information on the attached card: (a) Describe materials used and why they were selected.

622. Garments or accessories made from a kit. Must include direction on attached card / sheet, etc.
623. **Crochet/Knitted Fiber Clothing**: Clothing made using a form of crocheting or knitting such as a sweater, vest, scarf, etc.

625. **Non-Traditional Materials Clothing**: Clothing made using paper, duct tape, paper clips, bubble wrap, etc.

626. **Miscellaneous** - Garment or accessory item not previously listed. Contact educator before entering.

### Section 20 - Category 11
#### Needlework

1. All exhibits should be of high quality and the exhibitor’s best work and the results of at least 4 hours work.
2. May use commercial kits.
3. Embroidery for enjoyment, finished and ready for intended use.

**Class No.**

676. **Crewel stitch** embroidered article using appropriate yarn or embroidery thread (pillow cover, wall hanging, pocketbook, articles of clothing).

677. **Creative Stitchery**

678. **Needlepoin**t, **Quickpoint**, or **Bargello** using commercially painted canvas or your own design.

679. **Hand applique or original patchwork article.** Must be complete, ready for use, such as a quilt.

680. **Knit and crochet articles;** sweater, hat, socks, mittens, afghan, etc.

681. **Latchhook**, finished and ready for intended use.

682. **Macramé**, attach copy of instructions.

### Section 21 - Category 11
#### Home Environment

Objects whose ultimate use is to hang on the wall must have mounting on them and be ready for hanging.

**Class No.**

698. **Table Setting.** An entry should include table setting for one person, menu, short story about the specific occasion the setting is for, table cloth, place mats, napkins (may be artfully displayed/folded), centerpiece or table decoration as appropriate to complete the table setting. Exhibits should be displayed on a small table such as a card table (provided by the exhibitor). The exhibit must remain on display for entirety of Project Exhibit.

699. **No Sew Blanket** If done in conjunction with a community service project please provide an index card detailing information regarding your project.

700. **Accessory items;** selection, construction and finished or refinished by the exhibitor such as:
- Fabric: pillow, door pocket, simple curtains, 4 napkins, 4 placemats, lap robe, laundry bag, locker door bag.
- Wood: natural or painted finish. Shelf, picture frame, etc.
- Combination of materials: bulletin board, lamp, etc.

701. **Fabric furnishings**: Major items such as an afghan, bedspread, coverlet, dust-ruffle, draperies, coordinated, etc.

702. **A piece of furniture with a painted finish** such as: a chair, table, chest, bookcase. New unfinished, refinished or constructed by the exhibitor.

703. **A piece of furniture with a natural finish** such as: a chair, table, chest, etc.

704. **A chair or stool with new seating.** The frame to be new unfinished, constructed by exhibitor, restored or refinished with a painted or natural finish. New seat material of either woven or pressed cane, Hong Kong grass, rush, splint, etc.

705. **Hand-made lampshade** with or without lamp.

### Section 22 - Category 11
#### Child Development/Care

NOTE: Club members must securely attach a small tag (use cloth tag on cloth articles) with name and address on the inside or bottom of article.

**Class No.**

706. **A stuffed fabric, knitted or crocheted toy** (washable) or a wooden toy or game made for a child.


708. **Babysitter’s kit** with a minimum of four homemade games and/or toys to use while caring for one of the following: baby, toddler, preschooler. Include safety materials. List and state use of games and toys.

709. **Doll Clothes.** Complete outfit modeled on doll.

710. **Creative Toy or Game** - A homemade toy, game or activity to be used with children. An index card should be attached including age of child intended to use article, developmental stage the item is suited for and why this would be an appropriate play item.

### Section 22A - Category 11
#### Healthy Living

**Class No.**

720. **First Aid.** First aid book or poster outlining basic procedures in emergency protocol. Could be used in a babysitter’s kit or as a stand-alone project.
721. First Aid Kit. Kit contains essential elements of a standard Red Cross first aid kit and is small enough to be easily portable.

722. Emergency Preparedness Kit. Self-created kit must contain essentials for a family of four to sustain for two days in the case of emergency or natural disaster. Online resources may be utilized in obtaining a checklist (EDEN or Red Cross, etc.).

723. Choose Health Officer Record Book. Each Choose Health Officer may enter the official current year Choose Health Record Book. Consideration in judging, will be given to: Completeness and neatness of record book and appropriateness of the activity and snack choices provided.

724. Miscellaneous. Any healthy living project that does not fit above, as approved. Please verify eligibility prior to submission into this project area.

Section 23 - Category 11 Hobby Crafts

General Guidelines:
These exhibits can be hobby crafts and/or can be made from commercial patterns and kits.

Objects whose ultimate use is to hang on the wall must have mountings on them and be ready for hanging.

Exhibits are based on projects that focus on a particular topic area and specific learning goals over a period of time. An exhibit can be made from a commercial kit or pattern. This gives a youth the chance to explore new craft areas.

Craft objects must be in good condition, ready for display.

Must exhibit age appropriate work and good quality workmanship of the craft.

If an exhibit takes a short length of time, multiple items may be exhibited and displayed nicely to create one exhibit.

Small, delicate, fragile items should be displayed securely in a display box.

Class No.
730. Craft Kit - Used a commercially available kit or experience to explore a new area. Can be using any material ex fabric, leather, metal, mosaics, glasswork, wood, paper, rubber bands, beads, etc. to make items like stuffed animal, wallet, tin punch lamp, stepping stone, wreath made from twigs, origami, bracelet and/or earrings, etc. Please include the name of the pattern, book or resource used to complete this craft on your index card.

732. Recycled Craft - items made, remodeled or renovated from recycled material example: picture framed covered in seashells, sculpture made from recycled plastic bags. Please include where the recycle material came from on your index card.

733. Leatherworking Kit - 1 exhibit includes: 1 key chain, 1 book mark and 1 bracelet or 1 wallet.

734. Tile Craft – please indicate if kit.

735. Wood and/or Paper Commercial Kit – Processes from commercial patterns and kits: carving, wood burning, gluing, inlay, cutting, tearing, layering (origami), folding, quilling, basket making.

736. Fabric Covered Binder - Indicate on entry card as Kit or Non-Kit

737. Mosaic Stepping Stones - Two or Three-dimensional stepping stones using clay, tile, glass, or stone. Projects should be grouted and sealed.

738. Scrapbooking/Memories Kit - Judging emphasis placed on cohesiveness of theme, creativity, use of color and arrangement of space. Indicate on entry card as Kit.

739. Hand Made Cards Kit - A set of five or more hand-made greeting cards which integrate the techniques of stamping. Paper folding, cutting and/or paper-crafting assembly. Judging emphasis will be placed on cohesiveness of theme, creativity, use of color, and arrangement of space. Cards need not align as a set. Indicate on entry card as Kit.

740. Glass Work Other - Can be from a commercial source. Etched, sandblasted, blown or pulled, annealing/tempering/slumped/fired. Stained glass can be painted glass or liquid lead.

741. Dolls - Stuffed character, may use pattern. Indicated the pattern used on the index card.

742. Ceramics - Cast from original mold, or commercial mold. Painted/stained/glazed or proper sealant.

743. Decoupage

744. Duct Tape – Self-created entries made by the exhibitor. If an exhibit takes a short length of time, multiple items made be exhibited and displayed nicely to create one exhibit. A larger or more detailed project (i.e. clothing or bags) may fulfill the minimum requirement on its own.

745. Youth Public Presentations Posters - Used for the current year presentation. Criteria for judging poster is plan of space, legibility, contrast, clarity and simplicity. STEM Fair posters see STEM and PiNY Posters see FOODS category.

746. Tie-Dye – No kits.

Crafts are considered an excellent creativity activity. They should be integrated with a quality program of real life experiences in textiles, mechanical, plant and animal sciences.

Crafts exhibited in the classes below should be of high quality and the exhibitor's best work. They should display real hand craftsmanship skills learned by the exhibitor.

Entry in Fine Arts & Crafts is to be made entirely by the exhibitor, not a collaborative effort with a commercial business. This includes selection of materials and entire construction process. Ex. – Ceramics should not be from pre-made molds that are just painted and fired. Exhibits meeting that criteria should be entered under Hobby Crafts.

General Rules:
1. All items that sit on a surface should have a bottom covered with felt, cork, etc.
2. Items must be clean, free of soil with no glue visible: glass surfaces should be free of finger prints, dust, etc.
3. Articles which hang should have a hanging item on them. All projects should be complete and ready for use.
4. All items should have the entry tag well secured. To protect your exhibit, you may bring it in a clear plastic bag.
5. There is a limited of 4 (four) entries for each class, Example: in Class 776 Painting, 4 entries total in same or different media.

Class No.
765. **Drawing**, express work in any of the following media: pencil, charcoal, crayon, colored chalk or pastel, brush and ink.
766. **Painting**, expressive work in any of the following media: oil, watercolor, acrylics or mixed media.
767. **Graphics Prints**: any printing process that duplicates one or more identical images linoleum, woodcuts, stencil, silkscreen, etching, "found" objects making and inked imprint. Ex. border designs, panels, all over repeats of free open design.
768. **Sculpture** - Materials may be wood, stone, clay, original cast plaster, paper-mache, metal (sheet or wire), fibers, fabric, or fiber glass, or a combination of these. Processes may be carved, modeled, fired, soldered, glued, molded, laminated, nailed or sewn.
769. **Leather** - Objects can be tooled, carved, molded, stamped, laced, stitched or riveted. No patterns, no kits. **Proper sealant should be applied.**
770. **Pottery** - Vessels of clay, glazed or unglazed, hand built, wheel thrown, cast from original mold. No preforms permitted.

771. **Tin Punch Project** - properly finished by framing, etc.
772. **Glasswork** - Self-created entries made by exhibitor, including ALL steps of the process. Not made from a commercial source. Etched, sandblasted, blown or pulled, annealing/tempering/slumped/fired.
773. **Metal** - Objects made of metal(s) used singly or in combination with other materials such as other metals, plastics, wood, ground stones, bone, and enamel. Objects can be made by the following processes: hand cut, etched, engraved, tooled, molded. No entries with tin cans permitted.
774. **Batik** - techniques with 2 or more colors.
775. **Mosaics** - Two or three dimensional objects using clay tile, glass, stone. Projects should be grouted and sealed. No stepping stones.
776. **Wood and/or Paper Processes**: carving, wood burning, gluing, inlay; cutting; layering (origami) folding, quilling.
777. **Herbal Vinegars** - 1 jar, nicely displayed. Include on a card the name(s) of the herbs used.
778. **Natural Dying** - 3 Samples of cloth naturally dyed with pressed sample of material used.
779. **Decorated Ready-Made Lampshade** - stenciling, decoupage, etc.
780. **Silk Flower Arrangement** not over 12” in diameter and under 18” in total height.
781. **Scrapbooking/Memories Non-Kit**: Judging emphasis placed on cohesiveness of theme, creativity, use of color and arrangement of space.
782. **Hand Made Cards Non-Kit** - A set of five hand-made greeting cards which integrate the techniques of stamping, paper folding, cutting, and/or paper-crafting assembly. Judging emphasis will be placed on cohesiveness of theme, creativity, use of color, and arrangement of space. Cards need not align as a set.
783. **Jewelry** - Items made from purchased materials or handmade materials Ex. glass blowing, clay formation, paper formation beads etc., may include designs from pattern books, bead loom, crochet etc. Only first year entrants in Jewelry class are permitted to submit jewelry made with purchased materials and simply strung. These projects will be evaluated on bead, color selection, and pattern used to string the beads. No Kits, No Pony Beads.
784. **Miscellaneous**: attach a card explaining procedure. List three skills learned. Contact Educator before entering.
Section 24 - Category 11
Club Leadership & Achievement

Note: Entries for clubs should be made on the entry form in the name of the Club with the coordinating leaders’ names.

Class No.

801. 4-H Club Action Booths

802. Club Secretary's Book - Each 4-H Club may enter its official current year 4-H Secretary's Book. Consideration in judging, will be given to: completeness and neatness of minutes recorded in the book. Club roll is complete and up to date. Age and experience of secretary. Please remember that ALL exhibits are at the exhibitor's risk for any loss, etc.

803. Club Scrap Book - Each club may enter its club record book. Neatness and effective organization of materials will be considered in judging. Entered in leader's name. Club record books will be judged on the same criteria as individual member's books.

804. Club Exhibit - An exhibit on which many or all of the club members have worked together. Ex. a club quilt and or banner. Attach a 3 x 5 card to describe how this project is to be used. Size: 2 x 3, 4 x 6, made to hang, plastic or

Section 26 - Category 11
Animal Science Exhibits

Projects such as but not limited to: Litter board, feed board, forage board, horse sculpture, tool box, rope halter, photo display, pin up lamps & clocks, field crops display, horse craft project, knot board, bedding board as per Dairy, Goat, Horse, Rabbit, Dog, Sheep and Poultry Areas.

Class No.

825. Dairy Related Projects

826. Horse Related: i.e., Horse Science Scrapbook entered as per regulations for color & markings or breeds of Horse Levels; Horse Program Record Book (Blue Book).

827. Rabbit/Cavy Related Projects: i.e., Breed Book (10 different breeds), Feed board, Grooming Care Kit, Nest Box, Hutch, Rabbit or Cavy Project Management Record Book, Visual displays, Disease Scrapbook (at least 10 diseases listed), First Aid kit, Cages or other necessary equipment build within standard regulation.

828. Dog Related Projects

829. Goat Related Projects

830. Poultry Science Projects i.e., Breed Book, Candler, Feed Board, Health Care Kit, Poultry Record Book, Disease Book, Poultry Science Poster, Breed or Species poster, Poultry Shipping coop, Show Supply Box, Feather Board, Bedding Board, Nest Box, Wooden Brooder, Wooden Poultry Feeders, Miscellaneous (must be approved by Educator in charge). No hand-made incubators permitted.

831. Other Species Not Listed

Section 27 - Category 11
Heritage & Horizons

Emphasis in the Heritage & Horizon program is on personal growth and knowledge through learning about a cultural heritage. This category emphasizes authentic use of traditional design and materials and/or documentation of history, folk art or material culture.

Each entry in this category must include a written information which presents: source of traditional design (specific ethnic group or family); design plan/chart and historical background as appropriate. It is based on research of traditional designs, methods and materials as well as learning the necessary skills. Please site sources and titles of your heritage information: personal interview, book, magazine, etc.

Class No.

901. Heritage Art and Crafts - Traditional objects using materials, methods and/or decoration based on a continuation of ethnic art or handed down from one generation to another.

EXAMPLES: Hand spun wool or fur objects; soap; cordage; dolls, cured and tanned leather objects; natural dyed objects; tin ware; wood toys and games; stenciled wood and tin ware; natural clay potter; traditional embroidery and quilted objects; splint or natural reed basketry; ethnic art objects or instruments.

902. Heritage Foods - Traditional baked goods or food preparation materials and methods handed down from one generation to another.

EXAMPLES: Hoe cakes, apple cornbread, spider cornbread, sourdough bread, etc.; dried fruit, vegetables or herbs; butter, apple butter or other fruit butters; herb exhibit and charts.

903. Heritage Documentation - Documentation of family or community history, buildings, methods of processing and/or use.

EXAMPLE: Genealogy Notebook containing a three to five Generation Family Tree. Start with your generation as the first and going through your great, great, great-grandparents. Include names, birthplaces, dates, occupations, places of residence, where a person is buried and with a personal description of each. Criteria: neatness, easy to read and follow, completeness of information, indication of what information is not available, etc.; Architectural drawings and legends.
Section 28 - Category 11
Community Service & Marketing

Community Service

A youth County Community Service project is defined as an activity that members' do for the direct benefit of someone else. This does not include “marketing 4-H” activities such as marching in parades, window displays, etc. Fundraising is appropriate if it is for an organization outside of their own 4-H club. See class numbers 977 and 978 for Marketing classes.

Class No.

975. COMMUNITY SERVICE MEMBER EXHIBIT -
Each member may enter up to 2 exhibits in this class. These may include:

◆ Single Photo: One photo of a community service project with title and caption taken by the exhibitor, mounted on poster board with glue. This photo does not have to be of the member entering the exhibit. Poster board should be 8" by 10" with an explanation of the activity written on the poster board under the caption.

◆ Photo Story: 4 or more pictures taken by the exhibitor of community service project work with title and captions, mounted on poster board or other like substance.

◆ Community Service Planning/Record Form: Available from 4-H office and online.

◆ Video: Must be taken by the member, will not be judged on judging day, but will be judged before the end of the Project Exhibit.

976. COMMUNITY SERVICE CLUB EXHIBIT – Each club may enter up to 2 exhibits in this class. These may include:

◆ Photo Story: 4 or more pictures taken by more than one member of community service project work with title and captions, mounted on poster board or other like substance. Exhibit to be entered under club leader name.

◆ Video: must be taken by more than one member, will not be judged on judging day, but will be judged before the end of the Project Exhibit. Exhibit to be entered under club leader name.

Marketing

Included things such as parades, displays, community exhibits, window displays, newspaper articles, or media events.

977. MARKETING MEMBER EXHIBIT

◆ Club News Reporter's News Releases: 3 or more club news articles that have been printed in a newspaper. May be copy of original and need to be neatly displayed with the club news reporter's name on the exhibit.

◆ Single Photo: One photo of a marketing activity with title and caption taken by the exhibitor, mounted on poster board with glue. This photo does not have to be of the member entering the exhibit. Poster board should be 8" by 10" with an explanation of the activity written on the poster board under the caption.

◆ Photo story: 4 or more pictures taken by the exhibitor of a marketing activity with title and caption, mounted on poster board or other like substance.

◆ Video: must be taken by the exhibitor, will not be judged on judging day, but will be judged before the end of the Project Exhibit.

978. MARKETING CLUB EXHIBIT

◆ Photo Story: 4 or more pictures taken by more than one member of marketing activities with title and captions mounted on poster board or other like substance. Exhibit to be entered under club leader name.

◆ Video: Must be taken by more than one member, will not be judged on judging day, but will be judged before the end of the Project Exhibit. Exhibit to be entered under club leader name.

Entry Tags

See page 31. Each exhibitor will be provided a 3 x 5-inch entry tag for each item submitted. Tags can be attached to the back or bottom of the item with tape or string. For additional tags call the 4-H Office. To ensure that each project can be returned, please use a piece of masking tape or self-sticking label and affix to an inconspicuous part of project. On this label, please write name and club name.

Exhibitor Awards

Every Exhibitor that exhibits at the will earn one exhibitor ribbon for each learning activity exhibited at the Project Exhibit.
“SAMPLE” Entry List

Name: Jeffrey Smith  Club: Handy Dandy

Complete Mailing Address:

18 Seward Avenue  Middletown  NY  10940
(Street #/P.O. Box)  (City)  (State)  (Zip Code)

Age: 10  Date of Birth: 4/7/2005  Years in 4-H: 4  Phone: 845-344-1234

Each exhibitor must list each exhibit. You may have additional Entry Forms if you bring exhibits in later, (i.e., Vegetable and Flowers second day judging). Livestock entries require additional forms. Club entries (i.e., booth, banner) should use a separate form using Club name and name of coordinating leader.

<table>
<thead>
<tr>
<th>Section</th>
<th>Class</th>
<th>Description of Exhibit</th>
<th>Award</th>
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<tbody>
<tr>
<td>6</td>
<td>210</td>
<td>Beans - Lima</td>
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<tr>
<td>7</td>
<td>260</td>
<td>Zinnia - Baby</td>
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<td>8</td>
<td>300</td>
<td>Know your Trees Book - 10 Samples</td>
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<td>12</td>
<td>400</td>
<td>4-H Kit - Footstool</td>
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<td>15</td>
<td>450</td>
<td>Model Rocket - Beginning</td>
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<td>18</td>
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<td>Yeast Bread</td>
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<td>19</td>
<td>607</td>
<td>Intermediate Clothing - Shirt</td>
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<td>23</td>
<td>774</td>
<td>4-H Public Presentation Poster - Horse Science</td>
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<td>25</td>
<td>810</td>
<td>Exhibitor Achievement Book - Age 8</td>
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<tr>
<td>26</td>
<td>825</td>
<td>Animal Science - dairy related</td>
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Directions for Entry List

All youth are recognized for their accomplishments at the Project Exhibit.

1. List ALL projects in numerical order by Section and Class. Delete any project you do not bring.
2. Fill in all information completely.
Entry List

Name: ..........................................................  Club: ..........................................................

Complete Mailing Address:

(Street #/P.O. Box)  (City)  (State)  (Zip Code)

Age: ______ Date of Birth: ____________ Years in 4-H: __________ Phone: ____________

Each exhibitor must list each exhibit. You may have additional Entry Forms if you bring exhibits in later, (i.e., Vegetable and Flowers second day judging). Livestock entries require additional forms. Club entries (i.e., booth, banner) should use a separate form using Club name and name of coordinating leader.

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<table>
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<th>FILL OUT</th>
<th>PARTS A &amp; B</th>
<th>PART B</th>
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