

~ Entomology ~

Project Requirements (for all levels): Collect, mount, and identify number of orders and species required for fair exhibit. Complete at least one activity in the project manual each year enrolled in the project.

General Guidelines:

- This project area is exempt from department size requirements. The size of exhibit should relate appropriately to the number of insects being displayed for a specified class.
- Exhibitors should note that Entomology exhibits may be placed UPRIGHT for display.
- Rules for pinning and labeling insects are available from the Extension office.



H0401A Entomology I ☺

Exhibit Requirements:

- Exhibit fifteen (15) or more species representing four (4) or more orders. Collection must be accurately labeled as suggested in the manual.
 - Exhibitors enrolled in the second or third year of this project must also include an exhibit or display illustrating one of the completed activities in the *Creepy Crawlies* project manual. 4-Her should be able to discuss the skills learned.
 - **Bring the completed manual to the fair to show project requirements have been met for the current year.**
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H0401B Entomology II ☺

Exhibit Requirements:

- Exhibit thirty (30) or more species representing eight (8) or more orders. Collection must be accurately labeled as suggested in the manual.
 - Exhibitors enrolled in the second or third year of this project must also include an exhibit or display illustrating one of the completed activities in the *What's Bugging You* project manual. The 4-H member should be able to discuss the skills learned.
 - **Bring the completed manual to the fair to show project requirements have been met for the current year.**
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H0401C Entomology Level III ☺

Exhibit Requirements:

- Exhibit sixty (60) or more species representing twelve (12) or more orders. Collection must be accurately labeled as suggested in the manual.
 - Exhibitors enrolled in the second or third year of this project must also include an exhibit or display illustrating one of the completed activities in the *Dragons, Houses, and Other Flies*. The 4-H member should be able to discuss the skills learned.
 - **Bring the completed manual to the fair to show project requirements have been met for the current year.**
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H0401D Entomology Display, Other ☺

Exhibit Requirements:

- Exhibit any activity or display from the Entomology project books that does not fit into the above classes
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

~ Forestry ~

Project Requirements (for all projects) – Complete at least four activities in the project manual each year.

Size Limitations (for all levels): Table top displays should be no larger than 2' wide x 15" deep. Posters should be no larger than 22" x 30".

- H0501 Forests of Fun 1: Follow the Path ☺**
- H0502 Forests of Fun 2: Reach for the Canopy ☺**
- H0503 Forests of Fun 3: Explore the Deep Woods ☺**



Exhibit Requirements (for all levels):

- Exhibit any product or display illustrating an activity from the book.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

~ Geology ~

General Requirements:

- This project area is exempt from department size requirements.
- Size of exhibit should relate appropriately to the number of specimens being displayed for a specified class.
- All levels of Geology use the same manual, *What on Earth – Geology Study Guide*.

H0601A Pebble Pups I ☺

Project Requirements: Collect, clean, identify and label 8-19 rocks or minerals. Complete at least three required activities and two optional activities for Pebble Pups I in the project manual each year.

Exhibit Requirements:

- Display eight (8) to 19 rocks AND mineral specimens with a minimum of three (3) minerals in the collection.
- Collection may include duplications that show variations.
- Label the collection and note where each specimen was found.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



H0601B Pebble Pups II ☺

Project Requirements: Collect, clean, identify and label 20-29 rocks or minerals. Complete at least four required activities and three optional activities for Pebble Pups II in the project manual each year.

Exhibit Requirements:

- Display twenty (20), but no more than 29, rocks AND mineral specimens with a minimum of seven (7) minerals in the collection.
- Collection may include duplications that show variations.
- Label the collection and note where each specimen was found.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

Geology Continued...

H0601C Rock Hounds I ☺

Project Requirements: Collect, clean, identify and label 30-40 rocks or minerals. Complete at least five required activities and four optional activities for Rock Hounds I in the project manual each year.

Exhibit Requirements:

- Display at least thirty (30), but no more than 40 rocks AND mineral specimens with a minimum of ten (10) minerals in the collection.
 - Rocks should include at least three(3) igneous, two (2) metamorphic, & three (3) sedimentary groups.
 - Label collection and note where each specimen was found.
 - Exhibitor should be able to discuss various aspects of geology with the judge.
 - **Bring the completed manual to the fair to show project requirements have been met for the current year.**
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H0620 Rock Hounds II ☺

Project Requirements: Collect, clean, identify & label no more than 50 rocks or minerals. Complete at least five required activities & four optional activities for Rock Hounds II in the project manual each year.

Exhibit Requirements:

- This level is for those who have successfully completed Rock Hounds I.
- Display no more than fifty (50) specimens that have been selected to illustrate a specific theme of the exhibitor's choosing. *Be creative!* Sample categories could include (but are not limited to): industrial minerals and their uses; a specific rock group and the variety that occurs in that group, including some minerals that occur in that environment; select fossils traced through the geologic ages; minerals and their crystal habits; rocks and minerals used in the lapidary arts.
- Exhibitor should be able to discuss their theme and choice of specimens related to the theme with the judge.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

~ Geospatial ~

Project Requirements: Complete at least three activities in the project manual each year.

Size Limitations: Table top displays should be no larger than 2'x15". Posters should be no larger than 22"x30".

G1000 Exploring Spaces, Going Places, Level 1 ☺

Exhibit Requirements:

- Participant is responsible for their own exhibit equipment.
- Exhibit one of the two options listed below:
 - Using the "Take Me on a Tour" activity, create a display and map showing four to six tour sites, geo-tools used to create the map, positional data for the sites, and information about the selected sites.
 - Using the information from the "What are Geographical Tools?" activity, prepare an exhibit showing and describing ten mapping tools. Explain how mapping tools are used and why maps are important.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



Geospatial Continued...

G1010 Exploring Spaces, Going Places, Level 2 ☺

Exhibit Requirements:

- Using the table from the “Take Me on a Tour” activity, create a map showing recreational, historic, or public service sites in your community.
 - Determine if there is a need for additional community resources. Make written suggestions for what resources should be added and where they should be located on your map.
 - **Bring the completed manual to the fair to show project requirements have been met for the current year.**
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G1020 Exploring Spaces, Going Places, Level 3 ☺

Exhibit Requirements:

- Create a computer-generated map with layered data that provides information on a community need.
- Explain how the need was identified; how you gathered information; and your recommendations on how to solve the need.
- Use the template from “Take Me on a Tour” activity to gather data for the map.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

~ Horticulture ~

**** Members wishing to do public presentations with Horticulture subject matter should enter the Horticulture Public Speaking & Demonstration Contests in June on the University of Illinois campus in Champaign-Urbana. This includes members who wish to participate in a Flower Arranging Demonstration.****

J0305 Horticulture Display ☺

Project Requirements: Complete at least four required activities and three challenge activities in the project manual each year.

Exhibit Requirements:

- Exhibit an experimental or educational poster or display related to horticulture that does not fall into any of the other Horticulture classes. This could include herb displays as well as classes on vegetable, fruits, and houseplants and flower arranging.
- Include an explanation for public understanding
- **Size Limitations:** Tabletop displays should be limited to 2' wide x 15" deep. Posters no larger than 22"x30". Tri-fold poster boards may be used.

J0306 Flower Gardening☺

Project Requirements: Complete at least four required activities and three challenge activities in the project manual each year.

Exhibit Requirements:

Exhibit in one container, 3 stems of blooms, - each with attached foliage. Foliage that would go inside the container may be removed. All three blooms or stems to be the same variety, color, shape, and size. Must have been grown from seed, young seedling plants, bulbs or rhizomes by exhibitor. (Note) Exhibitors choosing lilies should include not more than 2/3 of foliage for their exhibit

Horticulture Continued...
Floriculture

Project Requirements: Complete at least four activities in the project manual each year.



J0201 Floriculture A ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Create a flower arrangement; either a round arrangement or a bud vase. All arrangements should fit into a space no larger than 2'x2'. No silk flowers are permitted. Flowers may be homegrown or bought.
 - Create a photo collage or a collection of flowers that you have raised. Label your flowers by name and tell if you started with a seed, cutting or transplants. Mount pictures on a poster board or mount board no larger than 22"x30".
- **Bring the completed project manual to the fair to show that project requirements have been met for the current year.**

J0301 Floriculture B ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Create an artistic display of dried flowers explaining how each was dried. Flowers may be homegrown or bought.
 - Create a photo collage or collection of pictures of plants from your theme garden. Label your plants by name and explain how the plants were chosen to fit the theme.
- **Bring the completed project manual to the fair to show that project requirements have been met for the current year.**

J0501 Floriculture C ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Create a terrarium. At least 2 of the plants should have been propagated by the exhibitor (seeds, cuttings, etc). All flowers must be home grown.
 - Exhibit a plant that you propagated from cuttings. Create a photo board no larger than 11"x14" showing the progression of growth.
- **Bring the completed project manual to the fair to show that project requirements have been met for the current year.**



J0801 Floriculture D ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Create a centerpiece around a theme such as a wedding, holiday, birthday, etc. no larger than 2'x2'. No silk flowers are permitted. All flowers must be home grown.
 - Create an exhibit of forced bulbs in a pot no larger than 12"x12".
- **Bring the completed project manual to the fair to show that project requirements have been met for the current year.**

Horticulture Continued...

Fruits & Vegetable Classes

General Guidelines:

- All vegetables and fruits exhibited must have been grown by the exhibitor as part of their current 4-H vegetable and fruit gardening project.
- Vegetable exhibits should be prepared according to the New Illinois Vegetable Garden Website <http://web.extension.uiuc.edu/vegguide/> .
- Waxes and oils may not be used on vegetables or fruits.
- **Any plant infested with insects will be removed from the exhibit area.**
- **Refer to the Plate/Basket Lists below.**

Vegetable Plate/ Basket List

Asparagus (5 spears)
Beans, Lima (12 pods)
Beets (5)
Broccoli (1 head)
Brussels Sprouts (12 sprouts)
Cabbage (1 head)
Cauliflower (1 head)
Carrots (5)
Cucumber, pickling or slicing (5)
Eggplant (1)
Garlic (5)
Kohlrabi (5)
Lettuce (1 head or plant)
Muskmelon including cantaloupe (1)
Okra (12)
Onions, large, dry (5)
Onions, green or set (12)
Parsnips (5)
Peas (12 pods)
Peppers, large fruited (bell/banana) (5)
Peppers, small fruited (chili/cherry) (12)
Popcorn (5)
Potatoes (any variety) (5)
Pumpkin (1)
Rhubarb, trimmed stalks (3)
Rutabaga (5)
Salsify (5)
Squash, summer (any variety) (5)
Sweet Corn, in husks (5)
Tomatoes, slicing (5)
Tomatoes, small fruited (12)
Turnip (5)
Watermelon (1)
Squash, winter (Acorn, butternut, buttercup, spaghetti, Hubbard, Turks's Turban) (1)
Beans, Snap, Green Pod or Golden Wax (12 pods)
Greens (collard, endive, escarole, kale, mustard, spinach, Swiss chard) (1 plant)
Horseradish Root (1 marketable root specimen harvested this year)

Fruit and Nut Plate List

Apples and large crab apples (5)
Apricots (5)
Blackberries (1 pint)

Blueberries (1 pint)
Cherries (1 pint)
Gooseberries/Currants (1 pint)
Grapes (3 clusters)
Nuts (walnut, hickory, pecan, filbert) (10)
Peaches and nectarines (5)

Pears (5)
Plums (5)
Raspberries (1 pint)
Strawberries (1 pint)



Horticulture Continued...

J0401 Vegetable Plate ☺

Project Requirements: Complete at least four required activities and three challenge activities in the project manual each year. Plant and care for five vegetables in a garden.

Exhibit Requirements:

- Must include two single vegetable plates. (Exhibitor will furnish their own paper plates.)
 - Number of vegetables on plates must conform to the plate list on the previous page.
 - Only one variety on each plate. Vegetables of different varieties may not be shown as separate plates (ie.: red and yellow onions).
 - Each exhibitor will receive a ribbon and premium, which will be based on knowledge about the project and an overall average of the two plates.
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J0405 Fruit or Nut Plate ☺

Project Requirements: Complete at least four required activities and three challenge activities in the project manual each year. Plant and care for five fruits or nuts in a garden.

Exhibit Requirements:

- Must include two single fruit plates. (Exhibitor will furnish their own paper plates.)
 - Number of fruits on plates must conform to the plate list on the previous page.
 - Only one variety on each plate. Fruits of different varieties may not be shown as separate plates (ie.: red delicious and Granny Smith apples).
 - Each exhibitor will receive a ribbon and premium which will be based on knowledge about the project and an overall average of the two plates.
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J0601 Vegetable Market Basket ☺

Project Requirements: Complete at least four required activities and three challenge activities in the project manual each year. Plant and care for eight vegetables in a garden.

Exhibit Requirements:

- Basket must include 6 and not more than 12 different vegetables.
- There may NOT be more than 2 different varieties of any vegetable.
- The number and type of vegetables used must conform to the plate/basket lists on the previous page.
- Basket must be labeled with the name and variety of all vegetables used.
- The size of the display must NOT exceed 2'6" x 2'6" display space.



~ Interior Design ~

EO401 Beginning Design Decisions - (recom. for members w/ 1-3 yrs. in project)

Project Requirements: By using the project manual learn a new project skill each year.

Exhibit Requirement:

- Exhibit one of the following groupings:
 - ☺ Wall Treatment - Poster showing the application of a decorative treatment for a wall (stenciling, rag rolling, etc.) used by the exhibitor. Treatment should cover approximately ½ of the board. Remaining area of the board should include before / after photos, a picture story of the application, cost comparison, etc.
 - ☺ Three-dimensional surface accessory that will set on a table, dresser, or floor. Item must be made by the exhibitor. Include before and after photos of the space where the item is used in the room.
 - ☺ An item that has been recycled (significantly altered) by the member. Include before and after photos of the recycled item and where it is used in the room.
 - ☺ Wall hanging (2 or 3-dimensional), made by the exhibitor. Include before and after photos of the space where the item is used in the room.
 - **Size Limitations:** Exhibit should be no larger than 2' wide x 15" deep. Posters no larger than 22" x 30".
 - Tie/Fleece items do not belong in this category.
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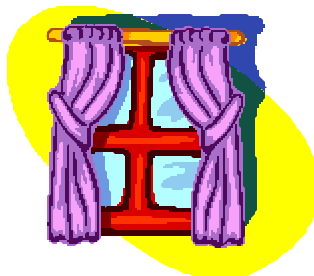


EO410 Intermediate Design Decisions

Project Requirements: By using the project manual learn a new project skill each year.

Exhibit Requirements:

- Exhibit one of the following:
 - ☺ Comparison shopping study of at least two items showing wants and needs, costs, use in overall design plan, quality comparison, etc. and final selection made. May be displayed via poster or notebook.
 - ☺ Bedcover - May include a quilt, comforter, bedspread, dust ruffle, pillow sham, canopy, etc. made by the exhibitor. Include before and after photos of the space where the item is used in the room.
 - ☺ Window Treatment - May include curtains, draperies, shades, shutters, etc. made by the exhibitor. Include before and after photos of the space where the item is used in the room.
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- **Size Limitations:** Exhibit should be no larger than 2' wide x 15" deep. Posters no larger than 22" x 30".
- Tie/Fleece items do not belong in this category.



Interior Designs Continued...

E0420 Advanced Design Decisions - (recommended for members with over 5 years in project)

Project Requirements: By using the project manual learn a new project skill each year.

Exhibit Requirements:

- Exhibit one of the following:
 - ☺ Select one problem such as storage, unusual or odd-sized window, need for better lighting, privacy, or an invention or idea that solves an energy or water problem.
 - Show the steps used to solve the problem and the final product.
 - Display pictures, samples, drawings, etc. in a notebook or on a poster to tell the story. If an item was made by the exhibitor to solve the problem, include that item in the display.
 - Include before and after photos in the display.
 - Displays illustrating a general “redecorating” of a room are NOT appropriate for this exhibit.
 - ☺ Exhibit one item of refinished furniture.
 - Include a neatly typed or written story explaining why the exhibit was selected and the specific steps taken to refinish the item.
 - Include before and after photos of the item. Mount photographs on poster board (approximately 9" x 12").
- **Size Limitations:** Exhibits should be no larger than 2' wide x 15" deep. Posters no larger than 22" x 30". Furniture exhibited must be able to fit through a 6' wide door.
- Tie/Fleece items do not belong in this category.

~ Natural Resources ~

Natural Resources

Project Requirements: Complete at least four activities in the project manual each year.

General Requirements:

- **Size Limitations:** Table-top displays should be limited to approximately 2' wide x 15" deep and recommended poster size is 22" x 30". Tri-fold display boards are acceptable.
- Electricity and water are **not** available for these displays.
- Be able to explain the importance of and concept behind the project exhibit.
- No live animals or reptiles.

H0701A Natural Resources - Unit I ☺

Exhibit Requirements:

- Exhibit any item developed from the *Step Into Nature* project manual.
- Some things members can do are: classify animals as domestic or wildlife, build a miniature ecosystem, make a leaf print collection, or do a splash erosion experiment.
- Be able to explain the importance of and concept behind the project exhibit.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



Natural Resources Continued...

H0701B Natural Resources - Unit II ☺

Exhibit Requirements:

- Exhibit any item developed from the *Explore the Natural World* project manual.
- Some things members can do are: make a compost column, develop a habitat improvement plan, videotape an interview with a water quality expert, or conduct a soil percolation test.
- Be able to explain the importance of and concept behind the project exhibit.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

H0701C Natural Resources - Unit III ☺

Exhibit Requirements:

- Exhibit any item developed from the *Blaze the Trail* project manual.
- Some things members can do are: plan & conduct a nature hike, mentor a younger member, develop an instructional video on a natural resources topic, or interview persons in natural resources careers.
- Be able to explain the importance of and concept behind the project exhibit.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

Sportfishing

Project Requirements (for all levels): Do at least four (4) activities in the manual each year.

General Requirements:

- **Size Limitations:** Table displays should be limited to approximately 2' wide x 15" deep and recommended maximum poster size is 22" x 30".
- Items should be tightly secured.
- For safety reasons remove all hooks from fishing lures. All lures should be placed in a plastic case.
- Displays should include an inventory of items on a separate piece of paper.
- No live animals or reptiles.

H0805 Sportfishing I – Take The Bait ☺

Exhibit Requirements:

- Exhibit a product or display made to complete the activities in the *Take the Bait* manual.
- This could include, but is not limited to, displays on: different types of fishing tackle, identifying different baits and their uses (no actual bait please), or identifying anatomy of a fish.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



H0810 Sportfishing II – Reel in the Fun ☺

Exhibit Requirements:

- Exhibit a product or display made to complete the activities in the *Reel in the Fun* project manual.
- This could include, but is not limited to, displays on: different types of knots of rigs and their use; a collection of fishing lures, labeled with their use; or information on preparing and cooking fish (not recipes).
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

Natural Resources Continued...

H0815 Sportfishing III – Cast into the Future ☺

Exhibit Requirements:

- Exhibit any product/display made to complete the activities in the *Cast Into the Future* project manual.
- This could include, but is not limited to, displays on: making artificial flies and lures; researching effects of water temperature; sportfishing careers; or identifying insects that fish eat.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

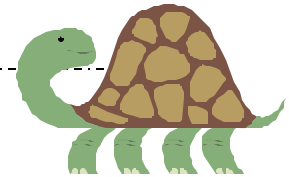
Wildlife

Project Requirements (for all levels): Complete at least six sections in the project manual each year.

H0910 Wildlife I

Exhibit Requirements:

- Exhibit any product or display made in the project. No live animals or reptiles.
- This could include, but is not limited to: animal identification, food chains, or animal observations.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**
- **This project is not eligible for State Fair.**



H0920 Wildlife II ☺

Exhibit Requirements:

- Exhibit any activity developed from the project manual. Within the exhibit explain the importance of and concept behind the exhibit. No live animals or reptiles.
- Example: create a display of the life history of an animal
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

~ Photography ~

Project Requirements: Complete at least 4 activities from the project manual each year that include the completed photo journal page and review questions for each activity.

B0210 Photography I: Focus on Photography ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Exhibit 5-7 photos that tell a story. The story must have a beginning, middle, and end. Exhibit will be judged on how well the pictures tell a story and use of composition techniques. Photos must be mounted on poster board, no larger than 22"x30". Digital photos may be used; cropping and red eye removal is the ONLY acceptable alterations.
 - Exhibit 2 photos: One photo with an unclear focal point and a second photo highlighting an area of the first photo in which you have eliminated clutter and framed the photo with a clear focal point. Both photos must be mounted on one poster board or mount board no larger than 11"x14". Digital photos may be used; cropping and red eye removal are the ONLY acceptable alterations.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**

Photography Continued...

Photography II and III projects that are framed are required to be hung by wire.

Photos that are intended to stand must be in a standing frame or the exhibitor will need to furnish the stand.

B0220 Photography II: Controlling the Image ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Exhibit photos of action scenes. Exhibit one 8"x10" or two 5"x7" photos. Photos must be mounted on one mount board or poster or framed in one frame no larger than 11"x14" (this is the outside measurement of frame). Hinged frames are not acceptable. Digital photos may be used; cropping and red eye removal are the ONLY acceptable alteration.
 - Create a collection of 5-7 candid photos taken at one event. Photos must be mounted on one poster board no larger than 22"x30". Digital photos may be used; cropping and red eye removal are the ONLY acceptable alterations.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



B0230 Photography III: Mastering Photography ☺

Exhibit Requirements:

- Exhibit one of the following options:
 - Exhibit photos with reflections as subjects (see page 30 of manual), using one 8"x10" or two 5"x7" photos. Photos must be mounted on one mount board or poster board or framed in one frame. Poster board, mount board or frame (outside measurement) must be no larger than 11"x14". Digital photos may be used; cropping and red eye removal is the ONLY acceptable alterations.
 - Exhibit a still-life photo that demonstrates good composition, including color, form, texture, lighting, and depth or field. Photo must be mounted on one mount board or poster board or framed in one frame. Poster board, mount board or frame (outside measurement) must be no larger than 11"x14". Digital photos may be used; cropping and red eye removal is the ONLY acceptable alterations.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**



B0250 Photo Editing ☺

Exhibit Requirements:

- Exhibit one 8"x10" photo or two 5"x7" photos that have been altered using digital photo-editing techniques (beyond cropping and red-eye reduction).
- Include a print of the original photo(s), taped to the back of the photo frame.
- Photos must be mounted on one mount board or one poster board or framed in one frame. Hinged frames are not acceptable.
- Exhibit must be no larger than 11"x14".
- This class is open to youth enrolled in any of the three photography project levels.
- **Bring the completed manual to the fair to show project requirements have been met for the current year.**