

DEPARTMENT I-18 – Natural Resources

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Entries must be completed online at www.carrollcountyfair.com. Entry fees need to be paid by credit card only. No late entries will be accepted.

Due to proposed Maryland budgetary constraints that are beyond the control of the Carroll County 4-H/FFA Fair Board, Inc., the Board reserves the right to withhold a portion of premium monies, up to and including all of an exhibitors earned premium payment, for the Carroll County 4-H/FFA Fair.

- A 4-H or FFA member must be enrolled in aquatic-science project, a conservation, marksmanship, entomology, forestry, craft, photography, or wildlife project in order to enter the Natural Resources Dept. at the Fair.

RULES AND REGULATIONS – General

1. Exhibits must include work completed since August 1, 2025. Continuing projects should show growth and development from previous year.
2. Project displays less than 30" X 18" X 36" will be displayed at the fair. Display photos of projects greater than 30" X 18" X 36" may be taken for display at the fair and the project returned to the exhibitor.
3. Posters less than 22" X 36" will be displayed at the fair. Photos of posters larger than 22" x 36" may be displayed instead of the original poster.
4. Any "special" equipment such as computers must be supplied at the owner's discretion or call by July 7 to arrange to use the Extension Office's equipment.
5. No domestic animals can be the subject of displays (see General Department). Domestic animals may be part of a display with a natural resource or environmental theme. For example, goats used to clear land for bog turtle conservation.
6. Exhibitors must have done all the work on the exhibit.
7. All exhibitors must be prepared to give a short presentation to the judges. Presentation does not need to be memorized, note cards permitted.
8. All displays must conform to the Maryland Department of Natural Resources Rules and Regulations, i.e., collections of bird nests or feathers are not permitted in Maryland. A copy of these regulations can be found under the specific sections at <https://i18natres.wordpress.com/> .
9. Live animal and insect displays must be native species to Maryland. They must have proper enclosures and are the 4-her's responsibility to care for throughout the fair week. All live displays must be approved by email by department superintendents by 6/1 and the approval email must be presented when the live display is entered in the fair.
10. Premiums – Class Champion - \$5; Blue Award - \$4; Red Award - \$3.75; White Award - \$3.50; Clover Award - \$3.00

RULES AND REGULATIONS – Collections

1. Each item within a collection should be labeled with, if applicable: Common Name – Scientific Name – Area of Origin – Date Found
2. Collections will be judged on:
 - a. Accuracy in naming and grouping by order
 - b. Variety of species
 - c. Neatness in labeling
 - d. Neatness in displaying specimen.
 - e. Growth of collection
 - f. Knowledge of collection
3. Insects should be mounted according to the instructions which can be found by following the links on this page, <https://i18natres.wordpress.com/wildlife-insects/insect-collection/> . Insects of the same order should be grouped together. Specimens should be mounted on standard insect pins. Each specimen should be labeled as described in #1 above. Boxes should be covered with glass or another transparent top.
4. Rock, Shell or Arrowhead Collections should be grouped logically and labeled as described in #1. Each collection container should be covered with a transparent top.
5. Forestry Collections can be entered in a notebook, on poster board, or other display material. Follow above labeling guidelines.
6. Collection containers less than 30" X 18" X 36" will be displayed at the fair. Individual containers larger than 30" X 18" X36" may be displayed at the fair or photos may be taken for display and the containers returned to the exhibitor. Collections may have multiple containers.

RULES AND REGULATIONS- Series of Photographs

1. Natural Resource photographs will consist of a series of 3 to 5 pictures. Displayed together in an album, on a poster board or other media.
2. All pictures should be labeled with, if applicable: Common Name, Scientific Name, Location picture taken, Date picture taken.

Section 001 – Aquatics

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|--|
| 1002 | 2002 | 3002 | Shell Collection –Collections should have 6 or more different specimens. At least 3 new specimens should be added each year the exhibit is displayed |
| 1003 | 2003 | 3003 | Shell Collection – First year of collection |
| 1004 | 2004 | 3004 | Aquatic Habitat or Investigation Item – Single item, made by exhibitor which will educate about, improve the habitat or aid in the investigation or identification of aquatic species |
| 1007 | 2007 | 3007 | Aquatic Discovery Kit or Backpack – At least 3 items in a container that could be used to explore, investigate, analyze or teach about streams, ponds or wetlands. Items might include aquatic identification cards, collection devices (net, seine, etc.), under water viewer, secchi disk or tube, etc. The container might be a tub, backpack, drawstring bag, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1008 | 2008 | 3008 | Live Aquatic Display – might include blue gills, macroinvertebrates, cray fish, native or recreational fish. All live displays must be approved by email by department superintendents by 6/1 and the approval email must be presented when the live display is entered in the fair. |
| 1009 | 2009 | 3009 | Aquatics photo series |
| 1010 | 2010 | 3010 | Self- determined aquatics project |

Section 002 – Wildlife: Insects

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|---|
| 1011 | 2011 | 3011 | Butterflies – If you are interested in raising monarchs for display at fair you must contact the Natural Resources superintendent via email by 6/1. If eggs are available, you will receive eggs and training to raise monarchs for display at the fair You may also raise monarchs or other butterflies from eggs or caterpillars collected from the wild in Carroll County. These caterpillars or chrysalis will be displayed at the fair, but any butterflies will be returned to the youth to be released. Any butterflies eclosing (hatching) during the fair will be released within 24 hours. Youth are responsible for making sure their caterpillars have the proper food at all times during the fair and cleaning their cages daily. More information can be found at this link https://i18natres.wordpress.com/wildlife-insects/raising-monarchs/ |
| 1012 | 2012 | 3012 | Insect Collection (entomology) should have 6 or more different specimens, at least 5 new specimens should be added each year the exhibit is displayed. |
| 1013 | 2013 | 3013 | Insect Collection – First year of collection |
| 1014 | 2014 | 3014 | Insect Habitat or Investigation Item —single item, made by exhibitor, which will educate about, improve the habitat of or aid in the investigation or identification of insects. |

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|--|
| 1017 | 2017 | 3017 | <p>Insect Discovery Kit or Backpack – At least 3 items in a container that could be used to explore, investigate, analyze or teach about insects. Items might include magnifiers, field guides, collection jar, magnifying bug jar, butterfly net, net cage, journal, etc.</p> <p>The container might be a tub, backpack, drawstring bag, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth.</p> |
| 1018 | 2018 | 3018 | <p>Live Insect Display – may be ant farm or other insect. All live displays must be approved by email by department superintendents by 6/1 and the approval email must be presented when the live display is entered in the fair.</p> |
| 1019 | 2019 | 3019 | Insect photo series |
| 1020 | 2020 | 3020 | Self-determined insect project |

Clover Class – 101

Butterflies – If you are interested in raising monarchs for display at fair you must contact the Natural Resources superintendent via email by 6/1. If eggs are available, you will receive eggs and training to raise monarchs for display at the fair. You may also raise monarchs or other butterflies from eggs or caterpillars collected from the wild in Carroll County. These caterpillars or chrysalis will be displayed at the fair, but any butterflies will be returned to the youth to be released. Any butterflies eclosing (hatching) during the fair will be released within 24 hours. Youth are responsible for making sure their caterpillars have the proper food at all times during the fair and cleaning their cages daily. More information can be found at this link <https://i18natres.wordpress.com/wildlife-insects/raising-monarchs/>

Section 003 – Wildlife: Birds

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|---|
| 1021 | 2021 | 3021 | Bird Box – for specific species. Box will be judge on how well the box meets the criteria for the species and your knowledge of the species. Be prepared to discuss where you have used or plan to use the bird box |
| 1022 | 2022 | 3022 | Bird Feeder – any item designed to feed birds. May be a pinecone feeder, log or other suet feeder, seed ornament (include recipe) or suet cake or log (include recipe), etc. Be prepared to discuss where you plan to put the feeder and what type of birds you hope to attract. |
| 1023 | 2023 | 3023 | Bird Habitat or Investigative Item — single item, made by exhibitor, which will educate about, improve the habitat of or aid in the investigation or identification of birds |
| 1026 | 2026 | 3026 | Bird Discovery Kit or Backpack – At least 3 items in a container that could be used to explore, investigate, analyze or teach about birds. Items might include field guide, activity guide, coloring book, egg replicas, beak replicas, nest replicas, feather replica, stickers, stamps, storybooks, etc. The container might be a tub, backpack, drawstring bag, etc. Kit may be for birds in general, a specific bird behavior – feeding, migrations, etc., or a specific bird species – bluebird, owl, saw whet owl, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1027 | 2027 | 3027 | Bird photo series |
| 1028 | 2028 | 3028 | Self- determined bird project |

Section 004 – Wildlife: Mammals

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|---|
| 1029 | 2029 | 3029 | Mammal Collection – castings, skulls, furs, deer jaws or any other collection. Label with common name, scientific name, date & location. |
| 1030 | 2030 | 3030 | Mammal Habitat or Investigative Item — single item, made by exhibitor, which will educate about, improve the habitat of or aid in the investigation or identification of mammal(s). |
| 1033 | 2033 | 3033 | Mammal Discovery Kit or Backpack – At least 3 items in a container that could be used to explore, investigate, analyze or teach about mammals. Items might include box instructions & example, skull, fur, track, scat replica, puppet, model, field guide, books, rubber stamp, stickers, activity guides, etc The container might be a tub, backpack, drawstring bag, etc. Kit might be for bats, beavers, deer, rabbits, squirrels, raccoon, black bear, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1034 | 2034 | 3034 | Mammal photo series |
| 1035 | 2035 | 3035 | Self- determined mammal project |

Section 005 – Wildlife: Reptiles, Amphibians & Others

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|--|
| 1036 | 2036 | 3036 | Wildlife Habitat or Investigative Item not insects, birds or mammals — single item, made by exhibitor, which will educate about, improve the habitat of or aid in the investigation or identification of wildlife: Examples: Toad Abode or house |
| 1039 | 2039 | 3039 | Wildlife Discovery Kit or Backpack not insects, birds or mammals – At least 3 items in a container that could be used to explore, investigate analyze or teach about reptiles, amphibians or other wildlife. Items might include skull, snakeskin, turtle shell, track, scat replica, puppet, model, field guide, books, rubber stamp, stickers, activity guides, etc. The container might be a tub, backpack, drawstring bag, etc. Kit might be for turtles, frogs, toads, snakes, salamanders, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1040 | 2040 | 3040 | Wildlife Live display – May be a worm habitat or meal worm jar or other live animal display that complies with Maryland DNR guidelines. All Live displays must be approved by email by department superintendents by 6/1 and the approval email must be presented when the live display is entered in the fair. |
| 1041 | 2041 | 3041 | Wildlife photo series not insects, birds or mammals |
| 1042 | 2042 | 3042 | Self- determined wildlife project not insects, birds, or mammals |

Section 006 – Forestry & Plants

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|---|
| 1043 | 2043 | 3043 | Forestry Collection –Includes leaf, bark, tree ring, acorns, pinecones, and any other forestry related collection. The collection should have 5 or more different species; at least 3 new specimens should be added each year the exhibit is displayed |
| 1044 | 2044 | 3044 | Forestry Collection – First year of collection |
| 1045 | 2045 | 3045 | Plants and Fungus Collection – Any domestic species included in collections must have wildlife or environmental value. Collection may have a specific theme like wildflowers, invasive species, host or nectar plants, etc. |
| 1046 | 2046 | 3046 | Forestry or Plants Habitat or Investigative Item – single item which will educate about or aid in the investigation or identification of forest and plants. |
| 1049 | 2049 | 3049 | Forestry or Plants Discovery Kit or Backpack – At least 3 items in a container that could be used to explore, investigate, analyze or teach about forests or plant communities. Items might include Biltmore sticks, diameter tapes, identification items, field guide, books, rubber stamp, stickers, activity guides, etc. The container might be a tub, backpack, drawstring bag, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1050 | 2050 | 3050 | Forestry/Plant photo series |
| 1051 | 2051 | 3051 | Self- determined Forestry/Plant project |

Section 007 – Soils & Rock

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|--|
| 1052 | 2052 | 3052 | Rock, Minerals, and/or Fossil Collection –should have 6 or more different specimens; at least 3 new specimens should be added each year the exhibit is displayed |
| 1053 | 2053 | 3053 | Rock, Mineral, and/or Fossil Collection – First year of collection |
| 1054 | 2054 | 3054 | Rock, Fossil or Soil Item – cards, poster, game, display or other item for identification of or education about rocks, soil, or fossils |
| 1056 | 2056 | 3056 | Rock, Fossil and/or Soil Discovery Kit or Backpack - At least 3 items in a container that could be used to explore, investigate, analyze or teach about rocks, fossils or soil. Items might include small shovel, strainer, pick, field guide, books, rubber stamp, stickers, activity guides, etc. The container might be a tub, backpack, drawstring bag, etc. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1057 | 2057 | 3057 | Soils, Rocks or Fossils photo series |
| 1058 | 2058 | 3058 | Self- determined Soils, Rock or Fossils project |

Section 008 – Recreation & Misc.

| <u>Jr. (8-10)</u> | <u>Int. (11-13)</u> | <u>Sr. (14-18)</u> | |
|-------------------|---------------------|--------------------|--|
| 1059 | 2059 | 3059 | Recreation/ Misc. Habitat or Investigative Item - single item which will improve or aid in the investigation of recreational areas. |
| 1061 | 2061 | 3061 | Hiking or Kayaking Backpack – A backpack or dry bag prepared for a day or overnight hiking experience or for a canoe or kayaking expedition. Items entered in previous years in other categories may be entered as part of the kit. Kits entered in previous years must show signs of growth. |
| 1062 | 2062 | 3062 | Recreation/ Misc. photo series |
| 1063 | 2063 | 3063 | Self- determined Recreation/ misc. project |

Section 009- Natural Resource Special Awards

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|------------|---|
| Class 1064 | Champion & Reserve Natural Resources Exhibit Junior – rosette & rosette |
| Class 2064 | Champion & Reserve Natural Resources Exhibit Intermediate – rosette & rosette |
| Class 3064 | Champion & Reserve Natural Resources Exhibit Senior – rosette & rosette |
| Class 4064 | Grand Champion & Reserve Natural Resources Exhibit – rosette & rosette |