

NATURAL RESOURCES SECTION – SE

Judging: Monday, 2:30 p.m. - 7:00 p.m.
Premiums: Blue – 6 units; Red – 4 units; White 2 units

- Remember to include (on a separate piece of paper) a project story, stating why your project was interesting to you, it's relevance in natural resources and/or environmental education and detailing information you learned or the exhibit will be marked down one award level.
- The codes listed below (e.g. L-5-10...) refer to Cornell University Publications. To order any of these booklets please contact the 4-H Office.

ENVIRONMENTAL EDUCATION – SEA

CLASS NUMBER

- SEA-1 **NATURE TRAILS** - e.g. Display of 4-H constructed nature trail or observation made along another nature trail.
- SEA-2 **GEOLOGY** - Simple collections must include a minimum of 15 specimens properly identified, labeled and mounted. Labels must show the specimen's name, date of location, specific site of collection (distance and direction to nearest town, county, state or province) and collector. Inclusion of field journals is strongly encouraged, and identification criteria must be completely and clearly defined. Exhibits showing evolutionary histories, vertical or horizontal studies of strata, etc., are encouraged.
- SEA-3 **FIELD IDENTIFICATION PROJECTS** - Collections of preserved specimens, photographs or sketches properly labeled and showing identified criteria may be displayed for any habitat in New York. Any taxon may be selected. For example: urban, wetlands, woodlands, marine or estuary.

FISHERIES

- SEA-6 **FISHERIES AND AQUATIC RESOURCES** - Exhibits may be displays or records of any Fisheries and Aquatic Resources related activity including but not limited to fishing techniques, aquatic sampling methods, aquatic insect ecology, habitat improvement or fisheries management and biology. Other fishing projects may be found in 4-H Publications.
- SEA-7 **WATER MONITORING** – Project ideas may be found in *Water Worlds, Water Wise, Pond & Stream Safari*.
- SEA-8 **SELF-INITIATED PROJECTS** – County or self-initiated projects related to fish or fishing, including mariculture, aquaculture, commercial fisheries, sport fisheries or related equipment, skills or observations.

FORESTRY

- SEA-9 **LOVE YOUR TREES** – Displays & presentations may be based upon but are not limited to the following projects: Consult "Know Your Trees, Timber Management for Small Woodlands" (IB-180), "Wildlife and Timber from Private Lands: A Landowners Guide to Planning (IB-193); "Woods of New York, Trees: Dead or Alive, Know Your Tree Diseases, "Maple Syrup Production for the Beginner," and other forestry exhibits based upon nation, regional, county or self-initiated projects.
- SEA-10 **BACKYARD MAPLE SYRUP** - Show the processes of Maple Syrup production, and what you have learned about the process. Your final product (the syrup) may be entered and judged in the Foods Section Class SBG-27.

RESOURCE-BASED RECREATION

SEA-11 **SHOOTING SPORTS** – Any exhibit or record based upon the NYS Shooting Sports Programs or any of the NYS DEC certification programs.

SEA-12 **OTHER OUTDOOR RECREATION** – Exhibits based upon related outdoor recreation activities, e.g. orienteering, cross-country skiing, snowshoeing, wilderness camping, or outdoor cookery.

WILDLIFE

SEA-13 **BIRD STUDY** - Consult *Bluebirds of New York*, *Birds of Prey*, *Introduction to Bird Study* or any other bird materials for exhibit ideas. If bird house is done as a Wood Science project, it should be entered in Section SH (Ag Engineering), classes SH-1, SH-2, or SH-3.

SEA-14 **HABITAT IMPROVEMENT** - Consult "Information Bulletin 157", "Information Bulletin 181", and 147L-5-16 "Wildlife Habitat Enhancement" for exhibit ideas.

SEA-15 **TRAPPING FURBEARERS** - Exhibits based upon the NYS DEC Trapper Training Program are acceptable as are displays of equipment, pelt preparation and discussions of the role of trapping in wildlife management.

SOLID WASTE

SEA-16 **EXHIBITS BASED ON RECYCLING OR COMPOSTING PROJECTS IN THE HOME OR COMMUNITY**
Clothing, crafts and other items created using post-consumer waste materials. Consult *Composting: Wastes to Resources*, *Recycling in Your School Makes Good Sense*, *Recycling: Mining Resources From Trash*, or *Recycling in Your School Makes Good Sense*, for exhibit ideas.

DO YOUR OWN THING

SEA-17 **OPEN CLASS** – Class is an option for exhibits that fall outside the categories described above. Suggestion: Do something creative! Examples include but are not limited to: interpretation of aerial photographs, vegetation maps, plant adaptations, demonstrations of ecological principles, computer models like GIS or demonstration program about GIS.