

ENVIRONMENTAL AWARENESS DEPARTMENT 20

1. Read General Rules and Static Exhibit Rules carefully.
2. **Collections or exhibits/displays must not exceed 30"x36"** (unless noted otherwise). Any larger exhibit will require prior approval of the Department Chairman. Posters must be no smaller than 22"x28".
3. **All items in Lots 01-09 must have been collected by the exhibitor, not purchased.**
4. Lots 10 and 11 are for purchased items only. Read the lot description carefully.
5. **All items in lots 01-11 must be identified per the specifications listed below.**
6. As long as your articles for exhibit differ, you may make more than one entry in any lot designated with as asterisk (*) after the description. In the case of 3 or more exhibits of the same kind in a particular lot, a new lot will be formed. Only one of each type listed may be entered.

PLEASE NOTE: Exhibits or displays, which have been carefully, neatly and thoroughly presented, are given preference in judging over the exotic entry which is incompletely presented.

REMEMBER that school projects that were created during the 2018/2019 school year are eligible to be exhibited at the 2019 Fair.

CLASS A

NATURAL ENVIRONMENT COLLECTIONS

- Lot 01A.** Collection of 12 NATIVE wildflowers only, pressed, mounted and named
- Lot 01B.** Collection of 12 NON-NATIVE/ALIEN wildflowers only, pressed, mounted and named with place of origin
- Lot 02.** Collection of 12 leaves only, pressed, mounted and named; or 12 pairs of leaves showing fronts and backs
- Lot 03.** Collection of 12 leaf prints only, mounted and named
- Lot 04.** Collection of 12 cones only, mounted and named
- Lot 05.** Collection of 12 seeds only, mounted and named
- Lot 06.** Collection of 12 insects only, mounted and named
- Lot 07.** Collection of 12 collected shells only, mounted or un-mounted, and named
- Lot 08.** Collections of 12 collected rocks and minerals only, mounted or un-mounted, and named
- Lot 09.** Miscellaneous Lot - Collection of 12 other nature related items, mounted and named, different from any of the above lots such as 12 different feathers, etc. Collection must be a natural product and not purchased.
- Lot 10.** Collection of 12 purchased shells only, mounted or un-mounted, named, and labeled with place of origin. (Not place of purchase.)
- Lot 11.** Collection of 12 purchased rocks and minerals only, mounted or un-mounted, named and labeled with place of origin. (Not place of purchase.)

POSTERS

Exhibits in **Lots 12-26A** will be a single poster only, not larger than 24"x36", illustrating one of the topics listed below. Posters should be clear, with all elements properly identified. Please use two posters glued together, or foam core, as a single thickness poster will curl very easily in the dampness of the Static Building. **PLEASE NOTE: Use of tri-fold posters is only allowed for Challenge Lots.**

- Lot 12.** Ecology: Different types of animal tracks – pick 3 diff types of wild animals. Depict & describe the track they make and what their typical habitat is. A plaster cast may be included, but not required.
- Lot 13.** Ecology: Create a poster depicting why bees are important to man, threats to them and what is being done to protect them. You may include any other interesting information.
- Lot 14.** Ecology: A poster depicting an ecosystem (i.e. – desert, grasslands, tundra, tropical forests, etc.)
- Lot 14A.** Ecology: A poster depicting an ecosystem (i.e. – desert, grasslands, tundra, tropical forests, etc.) and **ALSO** a diorama to go with it.
- Lot 15.** Ecology: Natural pest controls with an experiment – Do you have an insect pest in your garden or home? What are some natural pest controls you can use against them? Try an experiment with your suggestions and tell us what type of pest you had, what you used, was it effective and any other information you think is important.
- Lot 16.** Ecology: Massachusetts State Symbols – We have many state symbols from flower to marine mammal. List at least three, what they are, their habitat, a little history and any other interesting information. Also include pictures of each.
- Lot 17.** Dendrology: Create a poster depicting the importance of trees and/or forests and how they benefit people.
- Lot 18.** Dendrology: Why do leaves change color? Demonstrate how autumn colors happen, where the colors come from, how weather affects color and what causes them to drop/fall from trees in the fall.
- Lot 19.** Meteorology: Different types of clouds and the weather they are associated with.
- Lot 20.** Meteorology: El Niño/ La Niña – Define what each one is and how they differ from each other. Also include what causes each and the types of weather patterns or storms they produce. Other interesting information may be included.

ENVIRONMENTAL AWARENESS DEPARTMENT 20 (continued)

- Lot 21.** Geology: Describe the four types of volcanoes and give one example of each.
- Lot 22.** Geology: List the three different types of rocks found on earth and how they are formed. Give one example of each.
- Lot 23.** Oceanography: Tides – Depict what tides are, what causes them and the different types of tides.
- Lot 24.** Oceanography: Coral Reefs – Their importance to ocean life and the dangers they face.
- Lot 25.** Astronomy: Pick a specific topic and illustrate it. Examples, our exploration of the moon, our Solar System, a single planet in the Solar System, space travel, etc.
- Lot 25A.** Astronomy: Pick a specific topic and illustrate it. Examples, exploration of the moon, Solar System, a single planet, space travel, etc. and **ALSO** create an astronomy diorama to go with it.
- Lot 26.** Astronomy: Constellations – A poster depicting what they are, give some examples and any other fun facts.
- Lot 26A.** Astronomy: Constellations – A poster depicting what they are, give some examples and any other fun facts and **ALSO** create an astronomy diorama to go with it.

HABITATS

Lots 27-32A will be a diorama, in a box or similar container, no bigger than 12"x18". Create a scene in miniature from one of the environments listed below, using both manmade and/or natural objects. Include both animal and plant life that is typically found in that environment.

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| <p>Lot 27. Life in a field</p> <p>Lot 28. Life in a forest</p> <p>Lot 29. Life at the seashore (dunes, tide pools, etc.)</p> <p>Lot 30. Life in and around a pond</p> <p>Lot 31. Life in a desert (anywhere in the world)</p> | <p>Lot 32. Astronomy diorama – be creative (could be the solar system or a constellation of stars)</p> <p>Lot 32A. Astronomy diorama – be creative (could be the solar system or a constellation of stars). ALSO submit a poster from EITHER lot 25 or 26 for more points!</p> |
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OTHER CREATIONS

- Lot 33.** Garden gnome/fairy house - Build a Garden Gnome/Fairy House that could be used as a garden decoration. You may use a man-made object for the base **ONLY** such as an upside down clay flowerpot, a wire frame, a box, etc., and any type of glue you choose. **ALL** other material must be natural. For example, sticks, leaves, moss, cones, seeds, pebbles, etc. Please put your house on a base so it can be easily moved. House and base should be no bigger than 12" x 12". *Please note, any house that contains man-made materials other than the base, will not be given preference, even if it contains more work or is more exotic.

CHALLENGES

- Lot 34.** Challenge Lot – Choose a natural defense exhibited by an animal or a plant that helps it survive long enough to pass down their traits to their offspring. An example of this is mimicry such as the Viceroy Butterflies use. Make a poster about one specific type of natural defense using an example, explaining what the defense is, why it is beneficial to the species and any other information about it.
- Lot 35.** Challenge Lot - Fire – Friend or Foe: Managing Wildfires. Sometimes a controlled fire in a wildland is prescribed. Tell us how these controlled fires benefit both the wild and mankind. Use examples of both controlled burns and out of control fires and what happens with both. Include information on the increased danger of wild fires during a drought like we had last summer. Information is available at <http://www.nwccg.gov/> or at <http://www.symbols.gov/> and other places.

PREMIUMS

	First	Second	Third
Lots 01A-09, 12-14, 15-25, 26	5 PTS	4 PTS	3 PTS
Lots 10 & 11	4 PTS	3 PTS	2 PTS
Lots 14A, 25A, 26A, 32A	10 PTS	9 PTS	8 PTS
Lots 27-32	8 PTS	7 PTS	6 PTS
Lot 33	11 PTS	10 PTS	9 PTS
Lots 34, 35	12 PTS	11 PTS	10 PTS
