



Fairchild Challenge at Phipps

2019 – 2020 Middle School Challenges In-Depth

Challenge 1: Sculpture

“Litter Birds”

For individuals or groups | Maximum points: 200

Due at Phipps: Friday, October 4 by 5 p.m.

Your Challenge: We know littering is bad. Garbage that is not disposed of properly can contaminate our soil and waterways and harm habitat and wildlife! Yet litter continues to grow as an environmental issue. For this challenge, you will draw attention to the problem of litter by creating a set of three to five bird sculptures entirely out of “found objects,” litter* or recycled materials. Along with your set of sculptures, submit one short (no more than three paragraphs) description of how litter/plastics in the environment can affect birds and wildlife.

Each finished sculpture should be no larger than 6”x6”x6” and should weigh no more than three pounds. Sculptures should not contain any food or edible ingredients (including wheat, seeds, or pinecones). Sculptures from this challenge will be featured in Phipps’ 2019 Winter Show. Therefore, each sculpture should have a string, wire or other attachment so that it can be hung on display.

Resources: The following list of online resources may be used when preparing your entry:

- [Lauritzen Garden Exhibit: Metamorphosis](#)
- [Longwood Garden Children’s Christmas Trees](#)
- [Washed Ashore: Art to Save the Seas](#)
- [EPA: Impacts of Mismanaged Trash](#)

Entry Requirements: Deliver to high school program coordinator at Phipps in person or via certified mail (electronic submission is not accepted):

- Challenge Entry Form
- One set of three to five bird sculptures made from “found objects,” litter* or recycled materials
- Each sculpture should have an attached wire or string for hanging and be no larger than 6”x6”x6” and 3 lbs.
- One written description, three paragraphs or less, explaining how litter in the environment affects birds and wildlife.

- Please include the school name and a list of the students involved in the project.

** Use caution when collecting and sculpting with litter, please do not use any materials that are sharp, soiled or otherwise dangerous.*

School Submits: One set of five sculptures, Challenge Entry Form

State Standards:

- 4.1.12.B Research solutions to problems caused by interrupting natural cycles.
- 4.1.12.E Research solutions addressing human impacts on ecosystems over time.
- 4.5.6.A Examine how historical events have shaped the sustainable use of natural resources.
- 4.5.6.D Identify reasons why organisms become threatened, endangered, and extinct.

Keystone Final Assessment:

BIO.B.4.2.4 Describe how ecosystems change in response to natural and human disturbances (e.g., climate changes, introduction of nonnative species, pollution, fires).
