



Welcome to Plentiful Plants! In this class packet you'll learn all about the native plants that can be found on Nantucket and why they make fruits, leaves, and flowers! Activities will include nature exploration, art, and scientific study. If you pick up this packet in-person at the LLNF at 110 Eel Point Rd, then all materials will be provided in the packet. Pick-up is non-contact and adheres to all COVID-19 guidelines. **Everything in the bag is yours to keep, please do not return anything to the pick-up box.** Hand sanitizer is also available in the pick-up box.

You can also download this packet from our website and follow along with the instructions, even if you are not on Nantucket, but you'll need to provide your own materials.

Activities included:

- Plentiful Plants Scavenger Hunt
- Botanical Field Drawings
- Transpiration Experiment



Plentiful Plants Scavenger Hunt

Materials:

- Scavenger Hunt Card
- Colored Pencil

Instructions:

On the next page is a scavenger hunt full of native Nantucket plants. All of the species can be found on our property but many can also be found elsewhere if you downloaded the pack and are following along from home. Walk on the LLNF trail or somewhere else in nature to try to find these plants!



Scavenger Hunt: Plentiful Plants Edition!

These plants all provide food
and habitat for native
species on Nantucket. See if
you can find them!



Beach Plum _____



Black
Huckleberry _____



Low Bush Blueberry



Scrub Oak



American Hazelnut

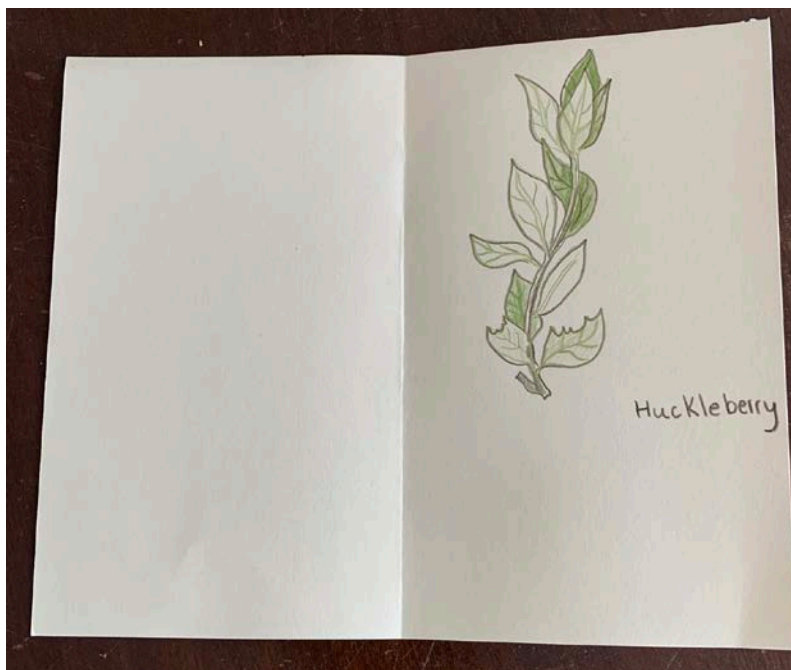
Botanical Field Drawings

Materials:

- Cardstock drawing paper
- Colored pencils
- Plant to observe. Can be an outdoor plant or even a cutting (*cuttings of Black Huckleberry have been provided in the packet as an example*)

Instructions:

Create a botanical record of your nature walks by drawing a plant you see. First go out in nature and find a plant to observe. Second, try to draw it on your card focusing on the unique characteristics of the plant, for instance the fruits, leaves, and flowers. Then, once you've created your field drawing, you can use it to try to identify the species you observed! Go Botany (<https://gobotany.nativeplanttrust.org/>) is a helpful resource for this. You can also decorate the front and back of the card and hold on to it as a keepsake or send it to a friend or family member as a gift!



Transpiration Experiment

Materials:

- Plastic bag
- Plant to use for the experiment

Instructions:

Transpiration is the loss of water through the pores of a plant's leaves. Similar to sweating, transpiration allows plants to regulate their temperature. The action of the plant pushing out water also helps the plant's roots uptake minerals from the soil.

1. Place a plastic bag over a small plant (or branch of a plant) in your yard or in an area where you can observe the plant, and make sure it is secure.
2. Wait about 30 minutes and you will start to see the process of transpiration. You will start to see the water be released from the plant's leaves and collect on the inside of the bag.

