



The Land Trust works to preserve the unique character of Tennessee's natural and historic landscapes and sites for future generations.

The Five Senses

Grades: K – 2nd

Subjects: Science

Curriculum Standards:

Embedded Inquiry

- ✓ **0007. - 0207.Inq.1** Use senses and simple tools to make observations.
- ✓ **0007.-0207.Inq.2** Communicate interest in simple phenomena and plan for simple investigations.
- ✓ **0007.-0207.Inq.3** Communicate understanding of simple data using age-appropriate vocabulary.
- ✓ **0007.-0207.Inq.4** Collect, discuss, and communicate findings from a variety of investigations.

Overview:

During a guided tour of the Glen Leven landscape, students will observe the arboretum, cattle, historic house, and educational garden where they will be confronted with simple investigations for which they will use their five senses to gather information.



Trifoliate Orange Tree
at Glen Leven Farm



Goals:

- Utilize the five senses in order to gather information about the immediate environment.

Activities:

Cattle:

- Have students describe the cattle using sight, smell, and sound (i.e. are cows hard or soft, what kinds of sounds do they make, etc.)
- Discuss food that comes from cows, including dairy and beef. What forms do dairy and beef come in? (Milk, ice cream, butter, cheese, hamburgers, etc.)
- Cattle manure is used as a fertilizer in the garden.
- Explain the difference between “cow” (female that has had a calf), “bull” (male), “heifer” (young female that has not had a calf), and “calf” (young cattle of either sex).
- Have students count the cows

Garden:

- Some plants are sources of food; these are called fruits and vegetables.
- Point out some of the plants/produce that is growing in the garden and the different parts of each.
- Have students identify the different colors of the produce, feel the difference in the plants’ leaves, and recall whether or not they like the taste of each type of produce.
- Visit the trifoliate orange tree; discuss this as the only citrus fruit that grows in Tennessee.
- Explain that larger oranges come from warmer climates.
- Students taste an orange wedge and describe whether it tastes salty, sweet, bitter, or sour.



House:

- Scavenger hunt handout will be distributed and students will be spread throughout the downstairs to find things shaped like an egg, a fork, a target, and a flower.

Arboretum:

- Walk past the black walnut, the ginkgo, the sugar maple, naming each and describing identifying characteristics of each tree, encourage students to compare the trees using their senses (difference in produce, difference in bark, trunk size, leaf shape, leaf texture, etc.).
- Point out the different animals that occupy trees (birds, squirrels, owls, etc.). What kinds of sounds do these animals make?