



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

Plant Parts!

Grades: K – 2nd

Subjects: Life Science (Cells)

Curriculum Standards:

Kindergarten:

Standard 1 - Cells

GLE 0007.1.1 Recognize that many things are made of parts.

1st grade:

Standard 1 - Cells

GLE 0107.1.1 Recognize that living things have parts that work together.

- ✓ Make diagrams to record and communicate observations.

2nd grade:

Standard 1 – Cells

GLE 0207.1.1 Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.



Heirloom Daffodils
at Glen Leven Farm



Overview:

Through observation and activities in the education garden, as well as a tree tour of our certified arboretum, students will learn that there are many parts of living organisms that perform functions necessary for the organism to live.

Goals:

- Understand living things are made up of different parts, all of which work together in order for organisms to live.
- Identify the basic parts of flowers, vegetable plants, and trees and what they contribute to life processes.
- Understand that all plants begin with a planted seed.

Investigative Questions:

How do plant and animal parts work together to carry on life processes?

Activities:

During their visit to Glen Leven Farm, students will participate in a guided exploration of the entire farm landscape, including the historic home, arboretum, educational garden, shorthorn cattle, and honeybee sanctuary. While in the educational garden, Glen Leven staff will explain that all plants begin with a planted seed and point out the different parts of different types of plants including the roots, stems, leaves, seeds, flowers, petals, and produce, highlighting how the parts work together to use food, water, and air to survive.

This lesson of working parts will be further enforced during the guided tour of the arboretum where students will observe parts of the various tree species, including their roots, trunk,



branches, twigs, and leaves. Students will be encouraged to execute what they learned in the educational garden during this activity, recognizing features characteristic of both trees and smaller plants, such as roots and leaves.

Assessment:

Students will utilize the provided worksheet to identify the basic parts of a plant and exhibit an understanding of each part's role in the plant function.

Parts of a Plant

Label each part of the plant and describe its function.



Which part of the plant is found underground?