

Lesson Plan: Invasive Plants

Level 3 Question(s) Addressed:

Plants

- How do plants grow and spread?
- Why are plants important?
- What are the common plants in your area?
- Are the identified plants native or invasive?
- Where are the invasive plants from and how did they get here?
- How do invasive plants affect our ecosystem?

Date(s)

Content Standard(s):

Science SOL: 4.4

The student will investigate and understand basic plant anatomy and life processes. Key concepts include

- a) the structure of typical plants and the function of each structure.
- b) processes and structures involved with plant reproduction.
- c) photosynthesis
- d) adaptations allow plants to satisfy life needs and respond to the environment.

Science SOL: 4.9

The student will investigate and understand important Virginia natural resources.

- f) Key concepts include animals and plants.

NOS Aspects

The natural world is understandable.

Science is a blend of imagination.

Science is a social activity.

Science demands evidence.

Science is durable.

Scientific ideas are subjective to change.

Student Objective(s) for this lesson:

- Students will understand the structure of a typical plant.

- Students will understand the function of each plant structure.
- Students will label the parts of a flower.
- Students will understand the function of each flower part.
- Students will understand how plants are pollinated.

Misconceptions to address in this lesson:

Native insects can also cause damage to trees. The difference is that there are natural predators and other factors, such as temperature, to keep native insect populations manageable. This is not always the case for invasive insects.

Safety Concerns in this lesson:

No safety concerns for the following activities.

- Students will understand the structure of a typical plant.
- Students will understand the function of each plant structure.
- Students will label the parts of a flower.
- Students will understand the function of each flower part.
- Students will understand how plants are pollinated.
- Students will understand the difference between seeds and spores.
- Students will understand what a plant needs to grow.
- Students will explain dormancy and why seeds are dormant.

Misconceptions to address in this lesson:

No misconceptions.

Safety Concerns in these lessons:

Discuss poisonous plants.

Discuss plants that can cause rashes. (Poison Ivy, Poison Oak, and Sumac)

Dissecting Tools used are sharp and need to be used with great caution and supervision.