

Plant Physiology

ELC-4077

NGSS and COMMON CORE STANDARDS

NGSS MS-LS1-4

Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.

NGSS 1-LS1-1

Use observations to describe patterns of what plants and animals (including humans) need to survive.

NGSS 1-LS3-1

Read texts and use media to determine patterns in behavior of Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.

NGSS 2-LS2-1

Plan and conduct an investigation to determine if plants need sunlight and water to grow.

NGSS 2-LS2-2

Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.

NGSS 2-LS4-1

Make observations of plants and animals to compare the diversity of life in different habitats.

NGSS 3-LS4-4

Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

NGSS 4-LS1-1

Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

NGSS 5-LS1-1

Support an argument that plants get the materials they need for growth chiefly from air and water.

NGSS 5-LS2-1

Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.

RST.6-8.7

Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table)

RST.6-8.9

Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.