

Upper Elementary Botany

ELC-4069

NGSS and COMMON CORE STANDARDS

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.

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.

COMMON CORE

RL.4.1

Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.

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RI.4.2

Determine the main idea of a text and explain how it is supported by key details; summarize the text.

RI.4.3

Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.

Ri.4.4

Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a *grade 4 topic or subject area*.

RI.4.7

Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.

W.4.2

Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

SL.4.2

Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

RL.5.1

Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RL.5.4

Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.

RI.5.1

Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.

RI.5.9

Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.

RF.5.4

Read with sufficient accuracy and fluency to support comprehension.

W.5.4

Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

W.5.7

Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.