



Spring Showers Bring More Spring Flowers
Grade Band Elementary

Life Science	Grade	Next Generation Science Standards
1-LS1-1	1	Use materials to design a solution to a human problem by mimicking how plants or animals use their external parts to survive, grow, and meet their needs.
2-LS2-1	2	Plan and conduct an investigation to determine if plants need sunlight and water to grow.
3-LS3-2	3	Use evidence to support the explanation that traits can be influenced by the environment.
3-LS4-3	3	Construct an argument that plants and animals have internal and external structures that support survival, growth, behavior, and reproduction.
4-LS1-1	4	Construct an argument that plants and animals have internal and external structures that support survival, growth, behavior, and reproduction.
5-LS1-1	5	Support an argument that plants get the materials they need for growth from air and water.
Engineering Design		
3-5-ETS1-1	3-5	Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
3-5-ETS1-2	3-5	Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints.
3-5-ETS1-3	3-5	Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.

Reading	English Language Arts (Reading & Writing)
RI.1.1. to RI.5.1.	Ask and answer questions about key details in a text.

RI.1.3. to RI.5.3.	Describe the connection between ideas or steps in a scientific or technical procedure.
RI.1.4 to RI.5.4	Determine meaning of domain-specific vocabulary (e.g., stamen, pollination, photosynthesis, adaptation).
Writing	
W.1.2 to W.5.2	Write informative/explanatory texts to examine a topic and convey ideas.
W.3.1 to W.5.1	Write opinion pieces with reasons supported by facts and details (e.g., defending a flower's adaptive trait).
W.3.6 to W.5.6	Use digital tools to produce and publish writing.
Measurement and Data	Mathematics
1.MD.4 to 5.MD.2	Represent and interpret data using graphs.
2.MD.1 to 4.MD.5	RMeasure lengths and angles (e.g., petal angles, stem height).
3.MD.3 to 5.MD.5	Use data collected (e.g., temperature, light, soil moisture) in bar graphs, line plots, or tables.
Mathematical Practice Standards	Modeling & Problem Solving
MP2	Reason abstractly and quantitatively.
MP4	Model with mathematics.
MP5	Use appropriate tools (e.g., sensors, measurement tools, graphing tools).
Computer Science	Missouri K-5 Draft Standards
DA.K-5.1	Collect and represent data in various ways.
AP.K-5.2	Develop programs with sequences and simple loops to solve problems.
AP.K-5.4	Test and refine programs using data and debugging.
IC.K-5.1	Communicate how computing can affect personal and global impact.

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