

SECOND GRADE Science PRIORITY STANDARDS

Earth & Space Science

2.ESS2 Earth's Systems

2.ESS2.2	<p>Develop a model to represent the shapes and kinds of land and bodies of water in an area. [Clarification Statement: Examples of model could include a map identifying components of specific bodies of water (e.g. creek, ocean, lake, river) and shapes of land describing their relationship (e.g. playground, park, hill).] [Assessment Boundary: Assessment does not include quantitative scaling in models.]</p>
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Engineering, Technology, and the Application of Science

2.ETS1 Engineering Design

2.ETS1.3	<p>Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. [Clarification Statement: Observations and measurements are collected and information is displayed to compare the performance of two objects. Students test solutions and collect data to identify the strengths and weaknesses of each object. Objects could feature shape, thickness, strength, speed, etc.] [Assessment Boundary: Assessment is limited to sharing observations about the strengths and weaknesses of the analyzed data. Students will not be asked to propose an improved design based on the analyzed data.]</p>
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Life Science

2.LS4 Biological Evolution: Unity and Diversity

2.LS4.1	<p>Make observations of plants and animals to compare the diversity of life in different habitats. [Clarification Statement: Emphasis is on the diversity of living things in each of a variety of different habitats.] [Assessment Boundary: Assessment does not include specific animal and plant names in specific habitats.]</p>
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Physical Science

2.PS1 Matter and Its Interactions

2.PS1.1	<p>Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. [Clarification Statement: Observations could include color, texture, hardness, and flexibility. Patterns could include the similar properties that different materials share.] [Assessment Boundary: Assessment is limited to classification by observable properties and does not include Moh's hardness scale or identification of materials based on their properties.]</p>
2.PS1.4	<p>Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. [Clarification Statement: Examples of reversible changes could include materials such as water and butter at different temperatures. Examples of irreversible changes could include cooking an egg, freezing a plant leaf, and heating paper.] [Assessment Boundary: Assessment does not include conservation of mass or the mixing of substances to form new substances.]</p>