

Science 2nd grade

Next Generation Science Standards					
1-PS4 Waves and their Applications in Technologies for Information Transfer					
1-LS1 From Molecules to Organisms: Structure and Processes					
1-LS3 Heredity: Inheritance and Variation of Traits					
1-ESS1 Earth's Place in the Universe					
K-2-ETS1 Engineering Design					
Technology					
SMART Board, iPads, Mystery Science					
Standards	Essential Questions	Content	Skills	Assessment	Resources
Scientific Skills K-2-ETS1	Scientific Skills How do scientists work and solve problems?	Scientific Skills -Inquiry skills: investigate, observe, predict -Hypothesis -Investigation: test, model, record -Inference -Conclusion -Tools and safety	Scientific Skills -Make a logical prediction -Develop a hypothesis that can be tested -Use five senses to observe and gather information -Plan steps to an investigation -Record information -Make inferences and draw a conclusion -Identify, read, and use tools accurately and safely	Scientific Skills -TBD	Scientific Skills -TBD
Matter 2-PS1	Matter How are the characteristics of a solid, liquid and gas unique? How does matter change from one state to another?	Matter -Properties -States -Changes	Matter -Classify matter by its properties -Identify the characteristics of a solid, liquid, and gas -Investigate the changes in states of matter	Matter -Investigations -Lab report	Matter -“States of Matter for Kids” unit plan by Miss Decarbo from Teacher Pay Teacher - <i>Change it! Solids, Liquids, Gases and You</i> by Adrienne Mason

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Standards	Essential Questions	Content	Skills	Assessment	Resources
Earth's Systems 2-EES1 2-ESS2	Earth's Systems How do the Earth's systems change over time?	Earth's Systems -Landforms -Water -Water Cycle -Weathering and erosion -Fast and slow changes	Earth's Systems -List the characteristics of different landforms -Identify different bodies of salt and fresh water -Discuss the water cycle: evaporation, condensation and precipitation -Describe the effects of weathering and erosion on landforms -Compare and contrast fast and slow Earth changes	Earth's Systems -Investigations -Lab report	Earth's Systems -TBD
Ecosystems 2-LS2 2-LS4	Ecosystems How are animals and plants dependent on each other in their habitats?	Ecosystems -Environments -Interdependent relationships -Food chains	Ecosystems -Explain how plants and animals adapt to their environments -Understand how living organisms are interdependent with their living and non-living surroundings	Ecosystems -TBD	Ecosystems -TBD