

Science 1st 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, Elmo, iPad, YouTube, BrainPOP Jr., PBS Kids					
Standards	Essential Questions	Content	Skills	Assessment	Resources
Scientific Skills and Waves 1-PS4 K-2-ETS1	Scientific Skills and Waves How do scientists work and solve problems? How does sound and light allow communication?	Scientific Skills and Waves -Predictions -Observations using five senses -Data collection -Conclusions -Tools and safety -Sound waves -Sound wave vibrations -Light waves	Scientific Skills and Waves -Identify guess of outcome prior to investigation -Determine appropriate senses to aid observations -Collect and organize data with assistance -Compare initial guess to final conclusion -Communicate predications, observations, and conclusions of an investigation -Use tools appropriately -Participate in investigations with sound and light	Scientific Skills and Waves -TBD	Scientific Skills and Waves - <i>National Geographic Young Explorer</i> by National Geographic - <i>Scholastic News</i> by Scholastic -Non-fiction books
Sun, Moon and Stars 1-ESS1	Sun, Moon and Stars How and why does the sky seem to change over time?	Sun, Moon and Stars -Patterns -Rotation -Shadows	Sun, Moon and Stars -Observe the patterns of the sky during different times of the day and year -Record the shadows of the Earth on the moon (moon phases)	Sun, Moon and Stars -Teacher observations -Class discussions -Journal writing on data collection -Acting activity -Reteaching chart -Brochure	Sun, Moon and Stars - <i>National Geographic Young Explorer</i> by National Geographic - <i>Scholastic News</i> by Scholastic -Non-fiction books

Standards	Essential Questions	Content	Skills	Assessment	Resources
<p>Living Things 1-LS1 1-LS3</p>	<p>Living Things How do the characteristics of living things determine their classifications? How do living things' structures and functions help them survive? How and why do living things adapt to their environments?</p>	<p>Living Things -Living and non-living -Classification -Heredity -Structure and function -Adaptations</p>	<p>Living Things -Classify an object as living or non-living -Define characteristics of six major classes of animals -Classify animals based on its characteristics -Express that young living things are like, but not exactly like, their parents -Identify the external parts and basic functions of living things -Apply animal adaptations to human survival</p>	<p>Living Things TBD</p>	<p>Living Things -<i>National Geographic Young Explorer</i> by National Geographic -<i>Scholastic News</i> by Scholastic -Non-fiction books</p>