

Science 3rd grade

Next Generation Science Standards

- 3-PS2 Motion and Stability: Forces and Interactions
- 3-LS1 From Molecules to Organisms: Structures and Processes
- 3-LS2 Ecosystems: Interactions, Energy, and Dynamics
- 3-LS3 Heredity: Inheritance and Variation of Traits
- 3-LS4 Biological Evolution: Unity and Diversity
- 3-ESS2 Earth's Systems
- 3-ESS3 Earth and Human Activity
- 3-5-ETS1 Engineering Design

Technology

SMART Board, Elmo, computer, iPads

Standards	Essential Questions	Content	Skills	Assessment	Resources
Scientific Method and Force and Motion 3-PS2 3-5-ETS1	Scientific Method and Force and Motion How do scientists work and solve problems? How do different forces affect the motion of objects?	Scientific Method and Force and Motion -Question -Hypothesis -Experiment -Conclusion -Types: electric and magnetic -Cause and effect/Action and reaction -Balanced and unbalanced -Strength and direction	Scientific Method and Force and Motion -Explore scientific topic -Ask a scientific question -Form a hypothesis -Plan and carryout experiment -Observe and collect data -Draw and report conclusion -Engineer an object that demonstrates force and motion -Identify how different forces (actions) cause reactions	Scientific Method and Force and Motion -TBD	Scientific Method and Force and Motion -TBD
Living Things 3-LS1 3-LS2	Living Things Ecosystems: What are the interactions between living things and their environments?	Living Things Ecosystems: -Food chains -Producers, consumers, decomposers -Predators and prey -Group behavior -Adaptations	Living Things Ecosystems: -Construct models of food chains -Differentiate between producer, consumer, decomposer -Explore how animal groups have unique behaviors and interactions for survival -Explain how living things adapt to their environments	Living Things -TBD	Living Things -TBD

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<p>Living Things 3-LS3 3-LS4 3-ESS2 3-ESS3</p>	<p>Living Things Heredity: How does environment and heredity influence traits?</p> <p>Weather and Climate: How does climate affect ecosystems?</p>	<p>Living Things Heredity: -Inherited traits -Variation of traits -Environment influence</p> <p>Weather and Climate: -Patterns -Predictions -Climate -Human actions to reduce the impact of natural hazards</p>	<p>Living Things Heredity: -Determine if an offspring's trait is inherited and/or due to the environment</p> <p>Weather and Climate: -Track daily weather and make predictions based on information gathered -Describe climates in different ecosystems of the world -Investigate ways to minimize the impact of natural hazards</p>	<p>Living Things -TBD</p>	<p>Living Things -TBD</p>