

Create and use a variety of devices using light and sound to communicate over long distances (light beams, beeps, etc.)								
Describe and classify different kinds of materials by their properties (color, texture, hardness)								
Explain and understand the properties of matter and that some matter can be solid or liquid depending on temperature								
Understand how heating or cooling a substance may cause changes that can be observed								
Investigate the effect of balanced and unbalanced forces of motion on an object								
Observe and explain the relationships of electric or magnetic interactions between two objects (example: an electrically charged balloon on hair; two magnets, etc.)								
Explain and describe the idea that energy and fuels come from natural resources								
Explain the relationship between speed and the energy of an object								
Provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents								
Ask questions and predict outcomes about the changes in energy that occur when objects collide								
Analyze, describe, or create scientific ideas to design a device that converts energy from one form to another (example: electric circuits)								
Understand and explore simple machines and their functions (levers, wheel & axle, pulleys)								

KEY		
Material is Introduced	Material is Reinforced	Material is Mastered