

Systems	Properties, Patterns, and Models	Consistency and Change
3.5 – The student knows that systems exist in the world.	3.7 – The student knows that matter has physical properties.	3.6 – The student knows that forces cause change.
<p>3.5A – Observe and identify simple systems such as a sprouted seed and a wooden toy car.</p> <p>3.5B – Observe a simple system and describe the role of various parts such as a yo-yo and string.</p>	<p>3.7A – Gather information including temperature, magnetism, hardness, and mass using appropriate tools to identify physical properties of matter.</p> <p>3.7B – Identify matter as liquids, solids, and gases.</p>	<p>3.6A – Measure and record changes in the position and direction of the motion of an object to which a force such as push or a pull has been applied.</p> <p>3.6B – Identify that the surface of the Earth can be changed by forces such as earthquakes and glaciers.</p>
	3.8 – The student knows that living organisms need food, water, light, air, a way to dispose of waste, and an environment in which to live.	3.9 – The student knows that species have different adaptations that help them survive and reproduce in their environment.
	<p>3.8A – Observe and describe the habitats of organisms within an ecosystem.</p> <p>3.8B – Observe and identify organisms with similar needs that compete with one another for resources such as oxygen, water, food, or space.</p> <p>3.8C – Describe environmental changes in which some organisms would thrive, become ill, or perish.</p> <p>3.8D – Describe how living organisms modify their physical environment to meet their needs such as beavers building a dam or humans building a home.</p>	<p>3.9A – Observe and identify characteristics among species that allow each to survive and reproduce.</p> <p>3.9B – Analyze how adaptive characteristics help individuals within a species to survive and reproduce.</p>
	3.11 – The student knows that the natural world includes earth materials and objects in the sky.	3.10 – The student knows that many likenesses between offspring and parents are inherited from their parents.
	<p>3.11A – Identify and describe the importance of earth materials including rocks, soil, water, and gases of the atmosphere in the local area and classify them as renewable, nonrenewable, or inexhaustible resources.</p> <p>3.11B – Identify and record properties of soils such as color and texture, capacity to retain water, and ability to support the growth of plants.</p> <p>3.11C - Identify the planets in our solar system and their position in relation to the Sun.</p> <p>3.11D – Describe the characteristics of the Sun.</p>	<p>3.10A – Identify some inherited traits.</p> <p>3.10B – Identify some inherited traits of animals.</p>