

Archdiocese of Washington Core Standards for Grade 3 Science

Core Standard 1	Core Standard 3
<p>The Nature of Science</p> <p><i>Reproducibility</i></p> <p>Work collaboratively to identify and investigate questions that can be examined using a fair test. Confirm that if an investigation is repeated, similar results are expected.</p> <p>[Standard Indicators: 3.1.1, 3.1.2, 3.1.3, 3.1.5, 3.2.3, 3.2.6, 3.2.7]</p>	<p>Physical Science</p> <p><i>Properties of Matter</i></p> <p>Give examples of solids, liquids, and gases and identify the characteristics of each. Describe ways in which the properties of solids, liquids, and gases can be measured.</p> <p>[Standard Indicators: 3.2.4, 3.4.2, 3.5.2, 3.6.4, 3.6.5]</p> <p><i>Energy</i></p> <p>Identify light and sound as forms of energy. Demonstrate that light travels in a straight line until it strikes an object, thus making a shadow. Show how a vibrating object makes the surrounding air vibrate and thus produces sound.</p> <p>[Standard Indicators: 3.3.9, 3.6.5]</p>

Core Standard 2
<p>The Nature of Technology</p> <p><i>Significance of Inventions</i></p> <p>Identify ways in which people use technology and tools in their daily life and work. Describe how recent inventions have significantly changed the way people live.</p> <p>[Standard Indicators: 3.1.6, 3.1.7]</p>

Core Standard 4**Core Standard 5**

Earth and Space Science*Earth and Space Systems*

Explain that the Earth is part of a larger system that includes the sun, planets, various moons, and other smaller objects. Observe that the sun appears in different locations in the sky during the day. Observe that the shape of the moon appears a little differently each day, but looks the same again about every four weeks.

[Standard Indicators: 3.3.1, 3.3.3, 3.3.4, 3.6.3, 3.6.4, 3.6.5]

Life Science*Structures and Functions of Living Systems*

Investigate and diagram the life cycle of a plant and of an animal. Identify stages that are similar within the life cycle of organisms from the same group. Identify differences in the life cycles of organisms from different subgroups.

[Standard Indicators: 3.4.1, 3.4.2, 3.4.3]

Changes in Living Systems

Give examples of characteristics in plants and animals that could be advantageous for survival and reproduction. Describe the fossil evidence that shows some kinds of plants and animals that once lived on the Earth have disappeared but resemble plants and animals alive today.

[Standard Indicators: 3.4.3, 3.4.5]