

## Grade 6 Science Standards

### Truth in Science - Science Standards for Content Breakdown by Grade Level and Unit

	Grades 3-4	Grades 5-6
<b>Life</b>	Science as a human endeavor Science as inquiry	Science as a human endeavor Nature of science Science as inquiry
<b>Earth</b>	The characteristics of organisms Life cycles of organisms Organisms and environments Characteristics and changes in populations Types of resources Changes in environments	Structure and function in living systems Reproduction and heredity Regulation and behavior Populations and ecosystems Diversity and adaptations of organisms Populations, resources, and environments Natural hazards
<b>Physical</b>	Properties of earth materials Objects in the sky Changes in earth and sky Understanding about science and technology Abilities of technological design Distinguish between natural and man-made objects Types of resources Science and technology in local challenges	Structure of the earth's system Earth in the solar system Earth's history Abilities of technological design Understanding about science and technology Populations, resources, and environments Natural hazards Science and technology in society

### Grade 6 - Science Standards for Content Breakdown by Chapter

Chapter 1 - Worldview	Science Standard Content
<ul style="list-style-type: none"> <li>• What is Worldview?</li> <li>• What is Evolution?</li> <li>• Evolution vs. Creation Worldviews</li> <li>• What is the Scientific Method?</li> </ul>	<ul style="list-style-type: none"> <li>• Science as a human endeavor</li> <li>• Science as inquiry</li> <li>• Nature of science</li> </ul>
Chapter 2 - Classification	
<ul style="list-style-type: none"> <li>• Methods of Classifying</li> <li>• Classifying Vertebrates</li> <li>• Classifying Invertebrates</li> <li>• Classifying Plants</li> </ul>	<ul style="list-style-type: none"> <li>• Structure and function in living systems</li> <li>• Science as inquiry</li> </ul>
Chapter 3 - Plants	
<ul style="list-style-type: none"> <li>• How Plants Get and Use Energy</li> <li>• Vascular Plants</li> <li>• How Plants Grow</li> <li>• Comparing plants from the past</li> </ul>	<ul style="list-style-type: none"> <li>• Reproduction and heredity</li> <li>• Regulation and behavior</li> <li>• Structure and function in living systems</li> </ul>
Chapter 4 - Cells	
<ul style="list-style-type: none"> <li>• A Look at Cells</li> <li>• Cells to Systems</li> <li>• Functions of Organelles</li> <li>• Cells Grow and Divide</li> </ul>	<ul style="list-style-type: none"> <li>• Structure and function in living systems</li> <li>• Reproduction and heredity</li> <li>• Regulation and behavior</li> </ul>

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Chapter 5 - Reproduction	Science Standard Content
<ul style="list-style-type: none"> <li>• Asexual Reproduction</li> <li>• Passing on Traits</li> <li>• Sexual Reproduction</li> <li>• Genes</li> </ul>	<ul style="list-style-type: none"> <li>• Structure and function in living systems</li> <li>• Reproduction and heredity</li> <li>• Regulation and behavior</li> </ul>
Chapter 6 - Meteorology	
<ul style="list-style-type: none"> <li>• Earth's Atmosphere</li> <li>• Clouds and Precipitation</li> <li>• Weather Causes and Predictions</li> <li>• Severe Storms</li> </ul>	<ul style="list-style-type: none"> <li>• Structure of the earth's system</li> <li>• Abilities of technological design</li> <li>• Natural hazards</li> <li>• Understanding about science and technology</li> </ul>
Chapter 7 - Changing Earth	
<ul style="list-style-type: none"> <li>• Changes to Earth's Surface</li> <li>• Erosion and Deposition</li> <li>• Coastal Landforms</li> <li>• Dating the Earth</li> </ul>	<ul style="list-style-type: none"> <li>• Earth's history</li> <li>• Structure of the earth's system</li> <li>• Understanding about science and technology</li> </ul>
Chapter 8 - Geology	
<ul style="list-style-type: none"> <li>• Minerals and Rocks</li> <li>• Rock Cycle and Soil Formation</li> <li>• Earth's Layers</li> <li>• Earth's Plates and Features</li> </ul>	<ul style="list-style-type: none"> <li>• Structure of the earth's system</li> <li>• Earth's history</li> <li>• Natural hazards</li> </ul>
Chapter 9 - Earth's Resources	
<ul style="list-style-type: none"> <li>• Natural Resources</li> <li>• Energy Sources</li> <li>• Fossil Fuels</li> <li>• Conservation</li> </ul>	<ul style="list-style-type: none"> <li>• Populations, resources, and environments</li> <li>• Understanding about science and technology</li> <li>• Science and technology in society</li> </ul>
Chapter 10 - Ecology	
<ul style="list-style-type: none"> <li>• Biosphere and Biomes</li> <li>• Adaptations</li> <li>• Energy and Competing for Resources</li> <li>• Cycles</li> </ul>	<ul style="list-style-type: none"> <li>• Populations and ecosystems</li> <li>• Diversity and adaptations of organisms</li> <li>• Regulation and behavior</li> <li>• Structure and function in living systems</li> <li>• Populations, resources, and environments</li> </ul>
Chapter 11 - Astronomy	
<ul style="list-style-type: none"> <li>• Stars and the Universe</li> <li>• Solar System</li> <li>• Sun and Moon</li> <li>• Movements of the Earth and the Moon</li> </ul>	<ul style="list-style-type: none"> <li>• Earth in the solar system</li> <li>• Abilities of technological design</li> <li>• Understanding about science and technology</li> <li>• Earth's history</li> </ul>