









## EARTH SCIENCE COURSE OVERVIEW - 2019-2020

Earth Science is designed as a one-year course. The eight units are tied together through a set of enduring topics\* that spiral in the course. The sequence of units below is designed to introduce the new three-dimensional learning standards, while still preparing students for the Earth Science Regents Exam. More information: <http://bit.ly/NV-Sci-Shifts>

<p><b>● SPACE SYSTEMS:</b> What is Earth's place in the Universe? What makes up our solar system and how can the motion of Earth explain seasons and eclipses? (MS.ESS) What is the universe, and what goes on in stars? What are the predictable patterns caused by Earth's movement in the solar system? (HS.ESS)</p> <p><b>● HISTORY OF EARTH:</b> How do people figure out that the Earth and life on Earth have changed over time? How does the movement of tectonic plates impact the surface of Earth? (MS.ESS) How do people reconstruct and date events in Earth's planetary history? Why do the continents move? (HS.ESS)</p>	<p><b>● EARTH'S SYSTEMS:</b> How do the materials in and on Earth's crust change over time? How does water influence weather circulate in the oceans, and shape Earth's surface? (MS.ESS) How do the major Earth systems interact? How do the properties and movements of water shape Earth's surface and affect its systems? (HS.ESS)</p> <p><b>● WEATHER AND CLIMATE:</b> What factors interact and influence weather and climate? (MS.ESS) What regulates weather and climate? (HS.ESS)</p>	<p><b>● HUMAN SUSTAINABILITY/IMPACTS:</b> How can natural hazards be predicted? How do human activities affect Earth systems? (MS.ESS) How do humans depend on Earth's resources? How do people model and predict the effects of human activities on Earth's climate? (HS.ESS)</p>
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\*See the High School ESS storylines in NGSS for more information.

<p><b>UNIT 1:</b> Origin of the Universe and Our Solar System</p>  <p>● ● ●</p>	<p><b>UNIT 2:</b> Earth's Interior and Plate Tectonics</p>  <p>●</p>	<p><b>UNIT 3:</b> Landscapes and Surface Processes</p>  <p>●</p>	<p><b>UNIT 4:</b> Geologic History and Evolution of Life</p>  <p>●</p>	<p><b>UNIT 5:</b> The Earth-Sun-Moon System</p>  <p>●</p>	<p><b>UNIT 6:</b> Weather</p>  <p>● ●</p>	<p><b>UNIT 7:</b> Geography, Climate, and Human Cities</p>  <p>● ● ● ●</p>	<p><b>UNIT 8:</b> Review of Major Topics</p>  <p>● ● ● ● ●</p>
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### UNIT STRUCTURE:

