

# Sixth Grade Earth Science Curriculum Map

Created by: Stephanie Ring (2008)

Each unit integrates laboratory experiences, tools of science, the scientific method, and lab safety using the process of inquiry.

Grading Period	1 <sup>st</sup> Six Weeks	1 <sup>st</sup> & 2 <sup>nd</sup> Six Weeks	2 <sup>nd</sup> Six Weeks	3 <sup>rd</sup> Six Weeks	3 <sup>rd</sup> & 4 <sup>th</sup> Six Weeks	4 <sup>th</sup> Six Weeks	5 <sup>th</sup> Six Weeks	5 <sup>th</sup> Six Weeks	6 <sup>th</sup> Six Weeks	6 <sup>th</sup> Six Weeks
<b>Name of Unit</b>	Introduction to Earth Science	Geology Rocks!	The Changing Earth	The Blue Planet	What's With this Weather?	The Celestial Dance	What's out there?	Earth Resources	Wrapping Up	Accelerate
<b>Big Ideas</b>	Nature of Science Inquiry Perception vs. Reality Scientific Method Lab Safety	Rock Compositions Rock Classification Rock Formation Processes Fossils Natural Resources Forming New Rock Plate Tectonics Crust, Mantle, Core Temperature, Density & Composition of Earth Lithospheric Plates Major Geologic Events	Weathering, Erosion, and Deposition Soil Human Activity Conservation Earthquakes Volcanoes	Role of water in Earth processes Water Cycle Subsurface Topography Currents, Waves, Tides	Tilt of the Earth Heat and Weather Patterns Heating of Land vs. Water Wind & Water Energy Oceans and Weather Water Cycle Seasons	Motion of objects in day/night sky Changing positions of earth, moon, sun Causes of tides	Evolution of Solar System Models Position of our Solar System Planets Gravity Comets, Asteroids, and Meteors	Renewable and Nonrenewable Resources Sun's relationship to wind and water energy Conserving Natural Resources Effects of human activity on erosion	Review All Topics for the CRCT	Cell Structure & Function
<b>Pacing of Unit</b>	2 weeks	6 weeks	3 weeks	5 weeks	5 weeks	3 weeks	3 weeks	3 weeks	3 weeks	3 weeks
<b>Domain &amp; Content Weight</b>	Characteristics of Science	Geology 40%	Geology 40%	Hydrology & Meteorology 40%	Hydrology & Meteorology 40%	Astronomy 20%	Astronomy 20%	Geology 40%	All Domains 100%	7 <sup>th</sup> Grade Cells & Genetics 35%
<b>Resource</b>	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Georgia Earth Science</u></a> Prentice Hall	<a href="#"><u>Life Science</u></a> Holt
<b>Key Standard</b>	S6CS 1-9	S6E5 b, c, d, f, g, j S6E6 b	S6E5 d, f, h, i, j	S6E3 a-d	S6E4 a, b, c S6E6 a, b	S6E2 a, b, c	S6E1 a-f	S6E5 a, e, f	All Standards	S7L2 a-e
<b>Related Standard</b>	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6	S6CS 1-9 ISTE 2, 3, 6

**Reading Across the Curriculum** – The student consistently reads at least twenty-five books each year.

**Writing Across the Curriculum** – Students will be engaged in meaningful writing on a daily basis.

**NOTE: Pacing of units is subject to change as necessary to accommodate student needs.**