



2021-2022 Pacing 6th Grade- Science

1st Quarter Aug 4-Oct 6	2nd Quarter Oct 7-Dec 17	3rd Quarter Jan 4-Mar 10	4th Quarter Mar 11-May 20
<p><i>Content/Units:</i></p> <p>Intro. and Process Skills Introduction, Rules and Procedures, Interactive notebooks, Lab safety and Process skills</p> <p>Water in Earth's Processes Earth's water, Factors affecting water cycle, Subsurface topography, Currents, waves, and tides</p> <p>Atmosphere Investigate atmospheric conditions that drive Earth's climate and weather · Atmospheric conditions that drive the water cycle · Atmospheric Layers and greenhouse gases · -troposphere, stratosphere, mesosphere, thermosphere, ozone</p>	<p><i>Content/Units:</i></p> <p>Weather Investigate atmospheric conditions that drive Earth's climate and weather · Local and global wind patterns, air pressure, weather fronts, and air masses influence thunderstorms, tornadoes, hurricane formation and paths of travel · Sun's heat transfer to air, land, and water occurs at different rates -conduction, convection, radiation · Interaction between unequal heating and Earth's rotation—local and global wind systems · Introduce the concept of plate tectonics · Evaporation of moisture from oceans -analyze and interpret data -weather patterns and weather events · Air Masses · Global Climate Change</p> <p>Human Energy Needs (Natural Resources) Conservation of natural resources and impact; renewable and non-renewable resources; global climate change · Air, water, and soil pollution · Solutions to sustain the quality of air, water, and soil. · Human impact</p>	<p><i>Content/Units:</i></p> <p>Earth's Changing Landscape Plate Tectonics Movement of lithospheric plates on geologic features of land and in the oceans: mountains, ridges, trenches, etc. · layers of the Earth · Characteristics of geologic structures – *mountains *ridges *trenches – at crustal boundaries -- *divergent *convergent *transform · Earthquakes and volcanic eruptions · Geothermal energy (renewable energy) · Fossils evidence for plate tectonic theory</p> <p>Rocks and Minerals Formation of rocks and minerals, how they change through the rock cycle to form Earth's surface · Mineral characteristics and rock composition</p>	<p><i>Content/Units:</i></p> <p>Rocks and Minerals continued · Weathering, erosion, and deposition effects · Mineral deposits and formation of soil · Layers of soil composition · Impact of human activity</p> <p>Astronomy (Solar System and Beyond / Earth-Moon-Sun) · Scientific Theories and models Governing forces of motion in our solar system (gravity/inertia) · Position of our solar system within the Milky Way Galaxy and the universe · Compare and contrast planets and other bodies (asteroids, comets, meteoroids) within our solar system · Effects of the relative positions of the Earth, Moon, and Sun: -lunar phases -solar and lunar eclipses · Tilt of Earth affects distribution of light and seasons</p>
<p><i>Common Assessments:</i> Quizzes</p> <p>Big 20 #1 (Pre test)</p>	<p><i>Common Assessments:</i> Quizzes</p> <p>Big 20 Test #3</p>	<p><i>Common Assessments:</i> Quizzes</p> <p>Big 20 Test #5</p>	<p><i>Common Assessments:</i> Quizzes</p> <p>Big 20 Test #7</p>

<p><i>Big 20 #2</i></p> <p><i>Activities, labs, and projects</i></p>	<p>Big 20 Test #4</p> <p>Activities, labs, and projects</p>	<p>Big 20 Test #6</p> <p>Activities, labs, and projects</p>	<p>Big 20 Test #8 (Post test)</p> <p>Activities, labs, and projects</p>
<p><i>Georgia Standards of Excellence:</i></p> <p>S6E3 a-c; S6E4 a-e</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S6E3 b; S6E4 b-e S6E6. a-c; S6E5 e</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S6E5 a-h</p>	<p><i>Georgia Standards of Excellence:</i></p> <p>S6E5 a-h S6E1 a-e; S6E2 a-c; S6E3 a-d</p>
<p><i>Important Notes:</i></p> <p>8/4/21 First Day of School! 9/2/21 Progress Reports 9/6/21 Labor Day Holiday 10/6/21 End of 1st Quarter</p>	<p><i>Important Notes:</i></p> <p>10/11/21 Columbus Day Holiday 10/14/21 1st Quarter Report Cards Parent/Teacher Conf. 10/15/21 Early Dismissal Homecoming 11/9/21 Progress Reports 11/11/21 Veterans Day Holiday 11/19/21 Early Dismissal 11/22-26 Thanksgiving Holidays 12/17/21 Early Dismissal End of 2nd Quarter 12/20-1/3 Christmas Break</p>	<p><i>Important Notes:</i></p> <p>1/3/22 Teacher Planning Day 1/6/22 2nd Quarter Report Cards Parent Teacher Conf 1/7/22 Early Dismissal 1/17/22 MLK, Jr. Holiday 2/3/22 Progress Reports 2/18/22 Teacher Planning Day 2/21/22 President's Day Holiday 3/10/22 End of 3rd Quarter</p>	<p><i>Important Notes:</i></p> <p>3/11/22 Teacher Planning Day 3/17/22 3rd Quarter Report Cards Parent/Teacher Conf 3/18/22 Early Dismissal 4/1/22 Early Dismissal 4/4-8 Spring Break 4/21/22 Progress Reports 5/20/22 Last Day of School!</p> <p><i>*Georgia Milestone Testing is tentatively scheduled to occur April/May 2022.</i></p>

****Content within a quarter is at the pace appropriate to individual classes and student needs***