

Content: Science  
 Grade Level: Science 6 & 6 Honors  
 Team Members: Bobby, Carver, Steward  
 Unit CFA's: 6

## QUARTER 1

Dates	Unit Title	Objectives
<b>September 9-10</b>	<b>Pre-Test</b>	<b>All SOL objective Science 6 content</b>
<b>CFA date: October 9 -10</b>	<b>Unit 1 &amp; 2: Earth's Atmosphere &amp; Weather</b>	6.7 a: air is a mixture of gaseous elements and compounds 6.7b: atmosphere has physical characteristic 6.7c: properties of atmosphere change with altitude 6.7d: relationship between air movement, thermal energy & weather 6.7e: atmospheric measures are used to predict weather 6.7f: weather maps give basic info about fronts, systems & weather measurements
<b>CFA date: October 23-24</b>	<b>Unit 3: Solar Systems</b>	6.2a: matter is distributed throughout the solar system 6.2b: planets have different sizes and orbit at different distances from the sun 6.2c: gravity contributes to orbital motion 6.2d: the understanding of the solar system has developed over time
<b>CFA date: November 6-7</b>	<b>Unit 4 : Sun-Earth-Moon Interactions</b>	ES.3a: Earth supports life because of its relative proximity to the sun and other factors ES.3b: the dynamics of the Sun-Earth-Moon system cause seasons, tides, and eclipses.
<b>Testing Window</b>	<b>District Benchmark Assessment</b>	<b>Quarter 1 Objectives</b>

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<p style="text-align: center;"><b>CFA Date: November 20-21</b></p>	<p style="text-align: center;"><b>Unit 5: Energy</b></p>	<p>6.4a: the sun is important in the formation of most energy sources on Earth            6.4b: Earth's energy budget relates to living systems and Earth's processes            6.4c: radiation, conduction, and convection distribute energy            6.4d: energy transformations are important in energy usage.</p>
<p style="text-align: center;"><b>CFA Date: January 15-16</b></p>	<p style="text-align: center;"><b>Unit 6: Compositions of Matter</b></p>	<p>6.5a: atoms consist of particles, including electrons, protons, and neutrons            6.5b: atoms of a particular element are similar but differ from atoms of other elements            PS.2 a: our understanding of atoms has developed over time            PS.2b: the periodic table can be used to predict the chemical and physical properties of matter;            PS.2c: the kinetic molecular theory is used to predict and explain matter interactions.</p>
<p style="text-align: center;"><b>Testing Window</b></p>	<p style="text-align: center;"><b>District Benchmark Assessment</b></p>	<p style="text-align: center;"><b>Quarter 2 Objectives</b></p>

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### QUARTER 3

Dates	Unit Title	Objectives
<b>CFA Date:</b> <b>March 4-5</b>	<b>Unit 7: Water</b>	6.6a: water as the universal solvent 6.6b: water has specific properties the properties of water in all three phases 6.6c: thermal energy has a role in phase changes 6.6d: water has a role in weathering; 6.6e: large bodies of water moderate climate 6.6f: water is important for agriculture, power generation, and public health
<b>Testing Window</b>	<b>District Benchmark Assessment</b>	<b>Quarter 3 Objectives</b>
<b>CFA Date:</b> <b>April 1-2</b>	<b>Unit 8: Watersheds</b>	ES.8a: water impacts geologic processes including soil development and karst topography ES.8b: the nature of materials in the subsurface affect the water table and future availability of fresh water; ES.8c: weather and human usage impact freshwater resources, including water locations, quality, and supply ES.8d: stream processes and dynamics impact the major watershed systems in Virginia, including the Chesapeake Bay and its tributaries
<b>CFA Date:</b> <b>April 29-30</b>	<b>Unit 9: Earth's Resources</b>	6.9a: management of renewable resources; 6.9b: management of nonrenewable resources

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### QUARTER 4

Dates	Unit Title	Objectives
<b>CFA Date May 27-28</b>	<b>Unit 10: Human Impact</b>	6.9c: major health and safety issues are associated with air and water quality . 6.9d: major health and safety issues are related to different forms of energy 6.9e: preventive measures can protect land-use and reduce environmental hazards 6.9f: there are cost/benefit tradeoffs in conservation policies
<b>Post Test June 3-4</b>	<b>All SOL objectives Science 6 content</b>	

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<b>Unit Title</b>	<b>Copy of Test to Department Chair</b>	<b>Test Administered to Students</b>	<b>Data Team Meeting</b>	<b>Data Packet Due to Department Chair</b>
<b>Unit 1 &amp; 2: Earth's Atmosphere &amp; Weather</b>	10/3/19	<b>October 9 -10</b>	10/20/19	10/23/19
<b>Unit 3: Solar Systems</b>	10/17/19	<b>October 23-24</b>	11/1/19	11/4/19
<b>Unit 4 : Sun-Earth-Moon Interactions</b>	10/31/19	<b>November 6-7</b>	11/15/19	11/18/19
<b>Unit 5: Energy</b>	11/14/19	<b>November 20-21</b>	12/2/19	12/3/19
<b>Unit 6: Compositions of Matter</b>	1/9/20	<b>January 15-16</b>	1/24/20	1/27/20
<b>Unit 7: Water</b>	3/26/20	<b>April 1-2</b>	4/10/20	4/13/20
<b>Unit 8: Watersheds</b>	4/23/20	<b>April 29-30</b>	5/8/20	5/11/20
<b>Unit 9: Earth's Resources</b>	5/21/20	<b>May 27-28</b>	6/5/20	6/8/20
<b>Post-Test</b>	5/28/20	<b>June 3-4</b>	6/11/20	6/12/20