

Houston County Schools
6th Grade AMSTI Science Pacing Guide

First Semester Aug. 6-Dec. 17 82 Days Module (Topic) ALCOS or NSS Minimum Days of Instruction/Assessment Mobymax Alignment Lessons	Second Semester Jan. 4-May 26 92 Days Module (Topic) ALCOS or NSS Minimum Days of Instruction/Assessment Mobymax Alignment Lessons
<p>Weather and Climate Our Ideas About Weather and Climate Inquiry 1.1-1.2 NSS A 2 Class Periods (Based on 45-50 minutes) Earth's Water and Atmosphere: Weather: What is Weather?</p> <p>Weather and Climate Introducing Storms Inquiry 2.1 13 2 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Heating Earth's Surfaces Inquiry 3.1 13a 2 Class Periods (Based on 45-50 minutes) Earth's Water and Atmosphere: Weather: Air Masses</p> <p>Weather and Climate Heat Transfer and the Movement of Air Inquiry 4.1-4.2 12 2 Class Periods (Based on 45-50 minutes) Earth's Water and Atmosphere: Weather: Predicting Weather</p> <p>Weather and Climate Convection Currents in the Air Inquiry 5.1 13a 2 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Temperature, Pressure, and Cloud Formation Inquiry 6.1-6.4</p>	<p>Sun-Earth-Moon System Introducing the Sun-Earth-Moon System Inquiry 1.1-1.2 1, 3 3 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Tracking Shadows Inquiry 2.1-2.3 1 5 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Seasons on Earth Inquiry 3.1-3.3 1 5 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Investigating Lunar Phases Inquiry 4.1-4.2 1 4 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Exploration Activity: Spinoffs Part 1 ***Parts 2 and 3 will be completed later*** 1 Class Period (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Solar and Lunar Eclipses Inquiry 6.1-6.2 1 3 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Exploration Activity: Spinoffs ***Part 2 *** 1 Class Period (Based on 45-50 minutes)</p>

<p>7, 12a 3 Class Periods (Based on 45-50 minutes) ***Inquiry 6.5 will be completed later*** Earth's Water and Atmosphere: Weather: Clouds</p> <p>Weather and Climate Hurricanes: Destructive Storms Inquiry 7.1-7.2 12 4 Class Periods (Based on 45-50 minutes) Earth's Water and Atmosphere: Weather: Severe Weather</p> <p>Weather and Climate Temperature, Pressure, and Cloud Formation ***Inquiry 6.5*** 7, 12a 1 Class Period (Based on 45-50 minutes)</p> <p>Weather and Climate Earth: An Ocean Planet Inquiry 8.1-8.2 NSS A, D, E, F, G 4 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Ocean Currents Inquiry 9.1-9.3 13 5 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Climate and Climate Changes Parts 1-2 ***Parts 3 and 4 will be completed later*** A, D, E, G 3 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Earth's Climate Zones Inquiry 11.1-11.2 14, 15 4 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Climate and Climate Changes ***Part 3*** A, D, E, G 1 Class Period (Based on 45-50 minutes)</p>	<p>Sun-Earth-Moon System Gravity and Tides Inquiry 7.1 1 3 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Exploration Activity: Spinoffs ***Part 2 Continued*** 1 Class Period (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System The Sun as an Energy Source Inquiry 8.1-8.2 11 5 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Exploration Activity: Spinoffs ***Part 3*** 2 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Sunspots and Space Weather Inquiry 9.1-9.3 11 5 Class Periods (Based on 45-50 minutes)</p> <p>Sun-Earth-Moon System Sun-Earth-Moon System Assessment 4 Class Periods (Based on 45-50 minutes)</p> <hr/> <p>Planetary Systems Thinking About Our Solar System Inquiry 1.1 NSS A, D 3 Class Periods (Based on 45-50 minutes)</p> <p>Planetary Systems The Solar System: Designing A Scale Model Inquiry 2.1-2.3 3 4 Class Periods (Based on 45-50 minutes)</p> <p>Planetary Systems Surface Gravity Inquiry 3.1 2</p>
---	---

<p>Earth's Water and Atmosphere: Weather: Climate change</p> <p>Weather and Climate Climate and Energy Use Inquiry 12.1-12.2 14, 16 4 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Climate and Climate Changes ***Part 4*** A, D, E, G 2 Class Periods (Based on 45-50 minutes)</p> <p>Weather and Climate Weather and Climate Assessment 3 Class Periods (Based on 45-50 minutes)</p> <hr/>	<p>2 Class Periods (Based on 45-50 minutes)</p> <p>Planetary Systems Exploration Activity: Solar System Explorations Part 1 ***Parts 2 and 3 will be completed later*** A, C, D, E, F 1 Class Period (Based on 45-50 minutes)</p> <p>Planetary Systems Impact Craters Inquiry 5.1-5.2 2, 5 5 Class Periods (Based on 45-50 minutes)</p> <p>Planetary Systems Exploration Activity: Solar System Explorations ***Part 2*** A, C, D, E, F 1 Class Period (Based on 45-50 minutes)</p>
<p>Plate Tectonics Introducing Earthquakes Inquiry 1.1-1.2 5 2 Class Periods (Based on 45-50 minutes)</p>	<p>Planetary Systems Other Surface Features Inquiry 6.1 5, 15 3 Class Periods (Based on 45-50 minutes)</p>
<p>Plate Tectonics When the Earth Shakes Inquiry 2.1 5 2 Class Periods (Based on 45-50 minutes)</p>	<p>Planetary Systems Gravity and Motion Inquiry 7.1-7.4 2 5 Class Periods (Based on 45-50 minutes)</p>
<p>Plate Tectonics Recording Earthquake Waves Inquiry 3.1-3.3 5 4 Class Periods (Based on 45-50 minutes) Sound and Light: Waves</p>	<p>Planetary Systems Exploration Activity: Solar System Explorations ***Part 2 Continued*** A, C, D, E, F 1 Class Period (Based on 45-50 minutes)</p>
<p>Plate Tectonics Plotting Earthquakes Inquiry 4.1 5 2 Class Periods (Based on 45-50 minutes)</p>	<p>Planetary Systems Asteroids, Comets, and Meteoroids Inquiry 8.1-8.3 2 5 Class Periods (Based on 45-50 minutes)</p>
<p>Plate Tectonics Using Earthquake's to Study the Earth's Interior Inquiry 5.1 9</p>	<p>Planetary Systems Fossils As Evidence of Asteroid Impact Inquiry 9.1-9.3 4 5 Class Periods (Based on 45-50 minutes)</p>

<p>2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Investigating Plate Movement Inquiry 6.1 6 3 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Investigating Faults Inquiry 7.1 5 3 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Convection in the Mantle Inquiry 8.1 9 2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Introducing Volcanoes Inquiry 9.1 5 2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Exploration Activity: Exploring Mitigation of Earthquakes and Volcanic Eruptions Part 1 ***Parts 2 and 3 will be completed later*** 10 1 Class Period (Based on 45-50 minutes)</p> <p>Plate Tectonics Volcanoes Change the Landscape Inquiry 11.1-11.2 8 2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Exploration Activity: Exploring Mitigation of Earthquakes and Volcanic Eruptions ***Part 2*** 10 1 Class Period (Based on 45-50 minutes)</p> <p>Plate Tectonics Viscosity and Volcano Types Inquiry 12.1</p>	<p>Planetary Systems Exploration Activity: Solar System Explorations ***Part 3*** A, C, D, E, F 3 Class Periods (Based on 45-50 minutes)</p> <p>Planetary Systems Planetary Systems Assessment 3 Class Periods (Based on 45-50 minutes)</p>
---	---

<p>8 3 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Igneous Rock Inquiry 13.1</p> <p>8 2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Exploration Activity: Exploring Mitigation of Earthquakes and Volcanic Eruptions ***Part 3***</p> <p>10 1 Class Period (Based on 45-50 minutes)</p> <p>Plate Tectonics Volcanic Ash Inquiry 14.1</p> <p>5 3 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Exploration Activity: Exploring Mitigation of Earthquakes and Volcanic Eruptions ***Part 3 Continued***</p> <p>10 2 Class Periods (Based on 45-50 minutes)</p> <p>Plate Tectonics Plate Tectonics Assessment 3 Class Periods (Based on 45-50 minutes)</p>	
---	--

Cycle	Pick Up Date	Return Date
1	8/17/21	10/19/21
2	10/19/21	1/10/22
3	1/10/22	3/15/22
4	3/15/22	5/23/22