

**CURRICULUM GUIDE**  
**Sixth Grade Science**  
**Fifth Six Weeks**

Unit of Study— Objective 3 – Earth Science: Space; Earth’s Natural Resources.

TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
6.13AB	(6.13) <b>Science concepts.</b> The student knows components of our solar system.	(A) <b>identify</b> characteristics of objects in our solar system including the Sun, planets, meteorites, comets, asteroids, and moons; and  (B) <b>describe</b> types of equipment and transportation needed for space travel.	Astronomy Globe Axis Rotation Day Revolution Year Orbit Solstices Equinoxes Phases		
6.5A	(6.5) <b>Science concepts.</b> The student knows that systems may combine with other systems to form a larger system.	(A) <b>identify and describe</b> a system that results from the combination of two or more systems such as in the solar system; and	Eclipse Solar eclipse Lunar eclipse Tides Solar system Moon Satellite Terrestrial planets		
6.9ABC	(6.9) <b>Science concepts.</b> The student knows that obtaining, transforming, and distributing energy affects the environment,	(A) <b>identify</b> energy transformations occurring during the production of energy for human use such as electrical energy to heat energy or heat energy to electrical energy;  (B) <b>compare</b> methods used for transforming energy in devices such as water heaters, cooling systems, or hydroelectric and wind power plants; and  (C) <b>research and describe</b> energy types from their source to their use	Gas giants Asteroids Comet Coma Solar wind Meteor Meteorite Stars Apparent magnitude Absolute magnitude Spiral galaxy Elliptical galaxy Irregular galaxy Constellations Environment		

		<p>and determine if the type is renewable, non-renewable, or inexhaustible.</p>	<p>Natural resources  Energy resources  Material resources  Renewable resources  Nonrenewable  Fossil fuels  Petroleum  Refining  Reserves  Natural gas  Coal  Mining  Geothermal energy  Nuclear energy  Fission  Radioactive  Wind energy  Turbine  Generator  Hydroelectric energy  Wave energy  Tide energy  Solar energy  Photovoltaic cells  Biomass  Wood  Peat  Dung  Alcohol  Gasohol  Methane  Minerals  Metals  Plastics  Conservation  Consumption  Biodegradable  Landfills  Incinerator  Toxic waste  Pollution  Air pollution  Greenhouse effect  Global warming  Acid rain  Groundwater</p>		
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