

Cartersville Middle School- Sixth Grade Earth Science

Topic of Study	Earth's Changing Landscape	Our Solar System and Beyond	Water in Earth's Processes	Climate and Weather	Human Energy Needs
<p align="center">Core Ideas</p>	<ul style="list-style-type: none"> • Geologic time scale • Rock strata • Plate tectonics • Rock cycle • Thermal energy transfer • Mineral formation • Land features • Catastrophic events • Weathering • Erosion • Deposition • Density 	<ul style="list-style-type: none"> • Origins of the universe • Milky Way Galaxy • Gravity • Inertia • Formation of the solar system • Structure of the solar system • Lunar cycle & eclipses • Day/Night cycle • Seasons • Earth's tilt • Elliptical orbit • Revolution & rotation • Direct/Indirect sunlight • Tides 	<ul style="list-style-type: none"> • Water cycle • Thermal energy transfer • Weathering • Erosion • Deposition • Waves & currents • Sunlight • Gravity • Density • Temperature • Salinity 	<ul style="list-style-type: none"> • Ocean and atmosphere patterns • Water cycle • Air masses • Unequal heating & rotation of Earth • Natural hazards • Global climate change • Weathering • Erosion • Deposition 	<ul style="list-style-type: none"> • Renewable and nonrenewable resources • Global climate change • Pollution • Global Warming • Greenhouse Effect
<p align="center">Science & Engineering Practices</p>	<ul style="list-style-type: none"> • Planning and carrying out investigations • Constructing explanations • Analyzing and interpreting data • Asking questions and defining problems • Developing and using models 		<p align="center">Overall Concepts</p>	<ul style="list-style-type: none"> • Cause & Effect • System/System Model • Matter & Energy • Patterns 	