GSE 6th Grade Earth Science Curriculum Map

These are the bundles of core ideas from the Georgia standards of Excellence related to an anchoring phenomenon.

This document is part of a framework that includes lessons and resources.

Instructional Segment	Water in Earth's Processes	Climate and Weather	Earth's changing Landscape	Solar System and Beyond	Earth-Moon-Sun	Human Energy Needs
Estimated Time:	7 weeks	7 weeks	7 weeks	8 weeks	4 weeks	3 weeks
Cross Cutting Concepts	• Cause and effect • Matter and energy • Patterns • Stability and Change	• Cause and effect • Matter and energy • Patterns • Systems and System models • Stability and Change	• Cause and effect • Matter and energy • Patterns	• Cause and effect • Matter and energy • Scale, Proportion, and quantity	• Cause and effect • Patterns	• Cause and effect • Matter and energy • Stability and Change • Systems and System Models
Anchoring Phenomenon	• A Study of water on Earth • Photo of snowcapped mountains • Barrier islands of Georgia.	• Georgia weather/climate patterns • Thunder and lightning • Tornado visuals	• Georgia's landscape • Ellison's Cave: • GPB: Georgia Rocks • Weathering and Erosion photos	• Celestial Objects from different perspectives	• A Total Eclipse in Georgia • Tides on the Georgia Coast • What to wear • Seasonal data	• Solar Panels • Living in a Solar house
Core Ideas	• Water Cycle • Thermal Energy transfer • Weathering and Erosion • Deposition • Waves and currents • Sunlight	• Ocean and atmosphere patterns • Water cycle • Air masses • Unequal heating of earth	• Geologic time scale • Plate Tectonics • Rock cycle • Mineral Formation • Land feature • Catastrophic events	• Origins of the universe • Milky Way Galaxy • Gravity • Inertia • Formation and Structure of	• Eclipses • Day/night • Seasons • Elliptical Orbit • Tilt of the Earth • Direct/indirect sunlight • Gravity • Tides • Earth's surface	• Renewable and non Renewable Resources • Global climate change

	temperature	• Natural hazards • Global Climate change	• Weathering and Erosion	Solar System	•	
Science and Engineering Practices	• Asking questions and defining problems • Developing and using models	• Asking questions and defining problems • Planning and carrying out investigations • Analyzing and Interpreting data	• Asking questions and defining problems • Planning and carrying out investigations • Constructing explanations • Developing and using models • Engaging in argument from evidence	• Asking questions and defining problems • Developing and using models • Analyzing and Interpreting data	• Developing and using models • Constructing explanations • Analyzing and Interpreting data • Asking questions and defining problems	• Asking questions and defining problems • Constructing explanations and designing solutions • Engaging in argument from evidence
GSE	**S6E5** d, e	**S6E3** a, b, c, d; **S6E4** a, b, c, d, e	**S6E5** a, b, c, d, e, f, g, h	**S6E1** a, b, c, d, e	**S6E2** a, b, c; S6E3d; **S6E5** d	**S6E 6** a, b, c