Cherokee County School District

GSE Science 6th Grade Pacing Guide

These are 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:	Solar System and Beyond	Earth-Moon-Sun	Earth's Changing Landscape	Water in Earth's Processes	Climate and Weather	Human Energy Needs
Estimated Time	8 weeks	4 weeks	7 weeks	7 weeks	7 weeks	3 weeks
Crosscutting Concepts	• Cause & Effect • System & System Models • Matter & Energy • Scale, Proportion & Quantity	• Cause & Effect • System • Patterns	• Cause & Effect • Matter & Energy • Patterns	• Cause & Effect • Matter & Energy • Patterns • Stability & Change	• Cause & Effect • Matter & Energy • Patterns • Systems • Stability & Change	• Cause & Effect • Matter & Energy • Stability & Change • Systems
Anchoring Phenomenon	Celestial Objects from Different Perspectives	A Total Eclipse in Georgia Tides on the Georgia Coast What to wear? Seasonal data	Georgia's Landscape Ellison's Cave: GPB: Georgia Rocks! Weathering & Erosion photos	A Study of Water on Earth Photo of snowcapped mountain and clouds Barrier Islands of Georgia	Georgia Weather/ Climate Patterns Thunder and Lightning Visuals of a tornado	Adjusting solar panels to improve efficiency Energy Resources - Living in a Solar House
Core Ideas	• origins of the universe • Milky Way galaxy • engineering/technology • gravity • inertia • formation of the solar system • structure of the solar system	• lunar cycle (eclipses) • day/night • seasons • elliptical orbit • tilt of Earth • revolution/rotation • direct/indirect sunlight • gravity • tides • Earth's surface	• geologic time scale • rock strata • plate tectonics • rock cycle • thermal energy transfer • mineral formation • land features • catastrophic events • weathering • erosion	• water cycle • thermal energy transfer • weathering • erosion • deposition • waves, currents • sunlight • gravity • density • temperature • salinity	• ocean and atmosphere patterns • water cycle • air masses • unequal heating & rotation of Earth • natural hazards • global climate change • weathering • erosion • deposition	• renewable and non-renewable resources • global climate change
Science and Engineering Practices	• Developing and using models • Asking questions and defining problems • Analyzing and interpreting data	• Developing and using models • Constructing explanations • Analyzing and interpreting data	• Planning and carrying out investigations • Constructing explanations/arguments • Analyzing and interpreting data • Asking questions • Developing a model	• Planning and carrying out investigations • Constructing explanations • Analyzing and interpreting data • Asking questions • Developing a model	• Planning and carrying out investigations • Constructing explanations • Analyzing and interpreting data • Developing a model • Asking Questions	• Planning and carrying out investigations • Constructing explanations • Analyzing and interpreting data
GSE code	**S6E1** a-e	**S6E2** a-c; **S6E3** d; **S6E5** d	**S6E5** a-h	**S6E3** a-c; **S6E4** a-e	**S6E3** b; **S6E4** c, d, e; **S6E5** d, e	**S6E6** a-c