GSE Second Grade Curriculum Map

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:	Patterns in Day and Night	Forces at Work	What Is Matter and How Does It Change?	Stability and Change in Plants and Animals
Estimated Time	12 Weeks	10 Weeks	8 Weeks	6 Weeks
Crosscutting Concepts	• Patterns • Cause and Effect • Scale, Proportion, and Quantity	• Cause and Effect • Structure and Function • Scale, Proportion, and Quantity	• Matter and Energy • Stability and Change	• Stability and Change • Patterns • Cause and Effect
Anchoring Phenomenon	Shadow Pictures Presentation or Shadows Pictures Handout	Sports Photos	Hot Spring in Yellowstone National Park	Animal bodies collect and transfer pollen from one flower to another.
Core Ideas	• Sunlight warms the Earth's surface. • Patterns of sun, moon, and stars apparent motion in the day and night sky • Seasonal changes of sunrise and sunset • Some events on Earth occur in cycles, like day and night.	• Forces and Motion • Pushes and pulls • Energy transfer • Size of the object impacts force and motion	• Structure and properties of matter • Heating or cooling can change the properties of matter	• Plants and the function of their structures • Life cycles of plants and animals • Pollination of plants by animals • Changes in habitat and its effects on plants and animals • Plants and animals can change their environment. • Plants and animals (including humans) can change their environment (eg. the shape of the land, the flow of water.) • Humans can impact the environment.
Science and Engineering Practices	• Asking questions and defining problems • Developing and using models • Planning and carrying out investigations • Constructing explanations and designing solutions • Obtaining, evaluating, and communicating information	• Asking questions and defining problems • Developing and using models • Planning and carrying out investigations • Analyzing and interpreting data • Using mathematics and computational thinking • Constructing explanations and designing solutions • Obtaining, evaluating, and communicating information	• Asking questions and defining problems • Planning and carrying out Investigations • Constructing explanations and designing solutions • Obtaining, evaluating, and communicating information	• Asking questions and defining problems • Developing and using models • Planning and carrying out investigations • Constructing explanations and designing solutions • Obtaining, evaluating, and communicating information
GSE	**S2E1** a, b; **S2E2** a, b, c, d.	**S2P2** a, b, c	**S2P1** a, b, c	**S2L1** a, b, c, d; **S2E3** a, b