Cherokee County School District

GSE Science Kindergarten 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	Physical Attributes	Motion	Living/Non-Living	Earth Materials	Time Patterns and Organisms
Estimated Time	7 weeks	7 weeks	6 weeks	7 weeks	9 weeks
Crosscutting Concepts	● Patterns ● Scale, Proportion, and Quantity	● Patterns ● Cause and Effect ● Energy and Matter ● System and System Models	● Patterns ● Energy and Matter ● Structure and Function ● Stability and Change	● Patterns ● Energy and Matter ● Structure and Function	● Patterns ● Cause and Effect ● System and System Models ● Structure and Function
Anchoring Phenomenon	Aircraft Carrier	Motion Animation	Living Plant, Previously Living Plant, Fake Plant	Bucket Wheel Excavator	Day and Night Time lapse, Mother and Baby Elephant Photo
Core Ideas	● Properties of Matter ● Physical Attributes ● Floating and Sinking	● Objects pull or push each other when they collide or are connected. ● Pushes and pulls can have different strengths and directions. ● Pushing or pulling on an object can change the speed or direction of its motion and can start or stop it.	● All animals need food to live and grow. ● Plants need water and light to live and grow. ● Animals can move around, but plants cannot. ● Living things can survive only where their needs are met. ● Living things exist in different places on land and in water.	● Rocks, soils, and sand ● Plants and animals (including humans) depend on the land, water, and air to live and grow. ● Living things need water, air, and resources from the land, and they try to live in places that have the things they need. (Will connect to life science.)	● Patterns of the motion of the Sun, moon, and stars in the sky, can be observed, described, and predicted. ● Some events on Earth occur in cycles, like day & night ● Animals and plants have different parts. ● Plants and animals have predictable characteristics at different stages of development. Plants and animals grow and change. Adult plants and animals can have young.
Science and Engineering Practices	● Asking questions and defining problems ● Planning and carrying out investigation ● Constructing explanations and designing solutions ● Obtaining, evaluating, and communicating	● Planning and carrying out investigations ● Developing and using models ● Engaging in argument from evidence ● Obtaining, evaluating, and communicating	● Asking questions ● Developing and using models ● Planning and carrying out investigations ● Engaging in argument from evidence ● Obtaining, evaluating, and communicating	● Asking questions ● Planning and carrying out investigations ● Constructing explanations ● Engaging in argument from evidence ● Obtaining, evaluating, and communicating	● Asking questions ● Developing and using models ● Planning and carrying out investigations ● Engaging in argument from evidence ● Obtaining, evaluating, and communicating
GSE	**SKP1**a, b, c	**SKP2**a, b	**SKL1**a, b	**SKE2**a, b, c	**SKE1**a, b; **SKL2**a, b, c