Cherokee County School District

GSE Science 7th 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:	**Stability and Change in Living Systems Which Food Would You Choose?**	**Structure and Function in Living Systems**	**Patterns in Living Systems**
Estimated Time	12 Weeks	10 weeks	12 weeks
Crosscutting Concepts	• Patterns • Stability and Change • Systems and System Models	• Structure and Function • Systems and System Models • Cause and Effect • Scale, Proportion and Quantity • Patterns	• Patterns • Cause and effect • System and System Models • Energy and Matter: Cycles and Flows • Stability and Change
Anchoring Phenomenon	The meals we choose impact ecosystems. Some foods we eat have a local and global connection because they are imported to the United States.	Some foods are not good for you.	There are similarities among all organisms, but they are also different and fulfill important roles in the ecosystem. Organisms are dependent on their environment and changes in the environment can cause populations of organisms to change over time.
Core Ideas	• Interdependent Relationships in Ecosystems • Ecosystem Dynamics, Functioning, and Resilience • Artificial Selection • Impact of Food Production Practices on Ecosystems • Human Impact on Ecosystems • Biomes	• Cell Structure and Function • Levels of Organization • Organ Systems • Inheritance of Traits • Genes and Chromosomes • Growth and Development of Organisms • Sexual and Asexual Reproduction • Variation of Traits • Selective Breeding (Artificial Selection)	• Structure and Function • Interdependent Relationships in Ecosystems • Cycles of Matter and Energy Transfer in Ecosystems • Ecosystem Dynamics, Functioning, and Resilience • Inheritance of Traits • Variation of Traits • Evidence of Common Ancestry and Diversity • Natural Selection • Adaptation
Science and Engineering Practices	• Developing and using models • Analyze and interpreting data • Engaging in argument from evidence • Obtaining, evaluating, and communicating information • Asking questions • Using mathematics and computational thinking	• Asking questions • Developing and using models • Constructing explanations • Engaging in argument from evidence • Obtaining, evaluating and communicating information	• Develop and use models • Analyze and interpret data • Constructing explanations • Asking Questions • Obtaining, evaluating, and communicating information
GSE code	**S7L3**.c, **S7L4.**c, **S7L4.**d	**S7L2**.a, **S7L2**.b, **S7L2**.c, **S7L3**.a, **S7L3**.b, **S7L3**.c	**S7L1**.a, **S7L1.**b, **S7L4**.a, **S7L4**.b, **S7L5**.a, **S7L5**.b, **S7L5**.c