

**CURRICULUM GUIDE**  
**Sixth Grade Science**  
**Sixth Six Weeks**

Unit of Study— Objective 2 – Life Science: Energy and Matter in Ecosystems; Classification; Scott & White Sexual Abstinence.

TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
6.8C	(6.8) <b>Science concepts.</b> The student knows that complex interactions occur between matter and energy.	(C) <b>describe</b> energy flow in living systems including food chains and food webs.	Energy pyramid Food chain Food web Carbon dioxide-oxygen cycle Photosynthesis Respiration decomposition Nitrogen cycle Ecological succession		
6.10C	(6.10) <b>Science concepts.</b> The student knows the relationship between structure and function in living systems.	(C) <b>identify</b> how structure complements function at different levels of organization including organs, organ systems, organisms, and populations.	Pioneer species Colonize Biosphere Climate Biome Tundra Permafrost Coniferous trees Taiga		
6.5AB	(6.5) <b>Science concepts.</b> The student knows that systems may combine with other systems to form a larger system.	(A) <b>identify and describe</b> a system that results from the combination of two or more systems such as in the solar system; and  (B) <b>describe</b> how the properties of a system are different from the properties of its parts.	Deciduous trees Canopy Grasslands Savanna Deserts Nocturnal Freshwater ecosystem Estuaries Saltwater ecosystem Coral reef Classify Aristotle Carolus Linnaeus Domain Kingdom		

			Phylum Class Order Family Genus Species Fungi Protist Vertebrate Invertebrate Arthropod Vascular plant Xylem Phloem Nonvascular plant Taxonomic tree Dichotomous key Endocrine system Glands Hormones Pituitary gland Ovaries Testes Puberty		
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