

7th Grade Life Science – Curriculum Overview

Quarter 1	The Animal Kingdom				
	Introduction to Life Science	Invertebrates	Invertebrates Continued	Vertebrates	Vertebrates Continued
	<ul style="list-style-type: none"> • The Scientific Method • Experimentation 	<ul style="list-style-type: none"> • Characteristics of Invertebrates • Sponges • Jellyfish • Flatworms: Planarians • Roundworms • Annelids: Earthworms and other Segmented Worms 	<ul style="list-style-type: none"> • Mollusks • Arthropods • Echinoderms 	<ul style="list-style-type: none"> • Body Systems of Vertebrates • Fish • Amphibians • Reptiles 	<ul style="list-style-type: none"> • Cold-blooded and Warm-blooded • Birds • Mammals
Quarter 2	Classification and Cells				
	Classifying Living Things	Life and Cells	Cell Structure	Activities of the Cell	Mitosis and Genes
	<ul style="list-style-type: none"> • Taxonomy and Taxonomic Keys • Scientific Names 	<ul style="list-style-type: none"> • Living Organisms • Molecules and Compounds • The Cell as the Basic Unit 	<ul style="list-style-type: none"> • Membranes • Diffusion and Osmosis • Organelles of the Cell 	<ul style="list-style-type: none"> • Specialization • Cellular Respiration • Photosynthesis 	<ul style="list-style-type: none"> • Genes and Mitosis • Functions of Genes
Quarter 3	Genetics of Organisms	Genetic Changes	Origins	Kingdoms of Life	
	<ul style="list-style-type: none"> • The Origin of Modern Genetics • Genes and Chromosomes • Heredity 	<ul style="list-style-type: none"> • Mutations • Applied Genetics 	<ul style="list-style-type: none"> • Literal Day Creationism • Geological Ages 	<ul style="list-style-type: none"> • Monera • Kingdom Protista • Kingdom Fungi 	

Quarter 4	Kingdom Plantae	Plant Activities	Plant Reproduction	The Interaction of Species	Support and Movement of the Body
	<ul style="list-style-type: none"> • Form and Structure of Plants • Anatomy • Major Groups of Plants 	<ul style="list-style-type: none"> • Functions of Plants • The Environment and Plant Responses 	<ul style="list-style-type: none"> • Sexual Reproduction • Asexual Reproduction 	<ul style="list-style-type: none"> • Ecosystems • The Biotic Environment • The Abiotic Environment • Energy Flow in Ecosystems 	<ul style="list-style-type: none"> • Human Skin • The Skeletal System • The Muscular System
	Internal Balance of the Body	Energy of the Body	Control of the Body		
	<ul style="list-style-type: none"> • The Heart and Blood Vessels • The Blood 	<ul style="list-style-type: none"> • The Respiratory System • The Digestive System 	<ul style="list-style-type: none"> • The Nervous System • The Endocrine System 		