

Junior High Science Curriculum

3-year rotation

2022-23 Life Science	
First Trimester	Cells
	Anatomy of a Cell
	Bodies and Systems
	Sensory Receptors
	Reproduction in Plants and Animals
	Growth of Organisms
	Introduction to Photosynthesis
	Energy Flow in Organisms
Second Trimester	Competition in Ecosystems
	Organism Interactions in Ecosystems
	Relationships in Ecosystems
	Flow of Energy in Ecosystems
	Dynamic Nature of Ecosystems
	Ecosystem Biodiversity
	Genes and Proteins
	Mutations
	Inheritance and Genetic Variation
Third Trimester	Fossil Record
	Evolutionary History and Relationships
	Embryonic Similarities
	Natural Selection
	Artificial Selection

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2023-2024 Physical Science	
First Trimester	Structure of Matter
	Physical and Chemical Properties
	Synthetic Materials
	Characteristics of Chemical Reactions
	Modeling Conservation of Mass
	Heat and Matter
	Changes in Energy on the Molecular Level
	Thermal Energy in Chemical Reactions
Second Trimester	Newton's Third Law of Motion
	Changes in Force and Motion
	Electric and Magnetic Forces
	Gravitational Forces
	Kinetic Energy
	Potential Energy
	Thermal Energy Transfer
	Energy Transfer and Temperature
Third Trimester	Introduction to Properties of Waves
	Modeling Waves through Various Mediums
	Properties of Visible Light
	Modeling Light Waves
	Digital vs. Analog Signals

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2024-2025 Earth & Space Science	
	Earth, Sun, and Moon System
	Formation and Motion of Galaxies
	The Solar System
	Geologic History of Earth
	Plate Tectonics
	Seafloor Spreading
	Earth Materials
	Weathering and Erosion
	Geoscience Processes
	Natural Hazard Predictions
	The Water Cycle
	Predicting Weather
	Ocean Currents
	Influences of Weather and Climate
	Human Impact on the Environment
	Human Activities and Global Climate Change
	Human Dependence on Natural Resources