

Curriculum Map

	Aug	Sep	Oct	November	December	Jan	February	March	April	May
6th	Introduction - worldviews - Scientific method -Note Taking -Sig Figs	Physics: Mechanical Concepts -Motion -Forces -Density & Buoyancy - Work -Energy - Power	Energy, Heat, and Energy Transfer	Astronomy - Gravity -Stars - Galaxies -Black Holes	Is It Alive? - Review basic building blocks - review classifications - review parts of plants -Trees	The Forest - Temperate & Tropical	Colorado Ecosystems - Various Ecosystems	The Human Body -circulatory system	The Human Body -Lymphatic Systems	The human body -Bacteria & Diseases
7th	Introduction - Worldviews - Scientific method -Note taking -sigfigs	Atomic Structures -Early theories of matter -start of modern chemistry - Biographies Note Taking	Chemical bonds & Reactions - Review: matter & periodic table - Bonds -Kinds of reactions - chemical equations and balances	Cell Division - Review Cell Parts -Cell Division & Genetics -Mitosis	Cell Division & Genetics -Meiosis -Protein Synthesis	Cell Division & Genetics -Gregor Mendel's experiment - Chromosomes & Genes	Modern Genetics -Genetic Mutations - Cloning	In The Beginning -New Earth & Old Earth Theories - Evolution - Natural selection	Earth's structure & Earth's Atmosphere	Weather & Storms vs. Climate
8th	Introduction - Worldviews - Scientific method -Note taking -sigfigs	Electricity & Magnetism - review basic terms & concepts -flow of electrons -static electricity - flowing electricity	Magnetism & Electricity - Review of earth layers -earth's magnetism - connection of Electricity & Magnetism	Electromagnetic Radiation & Light -Wave parts & Behaviors - Electromagnetic spectrum	Sound Waves - Parts & Behaviors -frequency - amplitude -speed	Ear, Eyes, & Waves	Ecology & Energy Transfer through Ecosystems	Chemistry of Food & Respiration - where does energy come from? - photosynthesis - respiration - human nutrition - human health	Earth -Plate Tectonics - Earthquakes - Natural hazards - Cycling of earth's materials (rock cycle)	Oceans - waves & Tides -ocean circulation - the ocean floor -ocean life