



Science Curriculum Time Line



Grade 7

1st Grading Period	Science Inquiry and Application	Physical Science	
	Thinking like a Scientist Intro to Science, Technology and Engineering: Lab Safety, Procedures/Equipment; Team Building: Process Skills, Computer Technology: engineering Design *These skills/topics should continue throughout the year. 3 weeks	Properties of Matter (7.PS.1) Elements, Mixtures, compounds, Periodic Table of elements, pH Scale, Chemical and Physical Changes 6 weeks	
2nd Grading Period	Physical Science		Earth and Space Science
	Energy (7.PS.2-3) Energy Transfer and Transformations, Energy Conservation Transfer Methods: Forces, Waves, Conduction, Convection, Radiation, Electrical Circuits 6 weeks		Hydrologic Cycle (7.ESS.1a) Water changes state, Water flow rate 3 weeks
3rd Grading Period	Earth and Space Science		
	Hydrologic Cycle (7.ESS.1b) Water Flow Patterns, Contamination, Water Quality 3 weeks	Earth's Atmosphere (7.ESS.3) Cycles, Layers, Properties, Gases, Contemporary Issues 3 weeks	Current and Climate Patterns (7.ESS.2) Causes of Moving Currents, Current and Climate Patterns 3 weeks
4th Grading Period	Earth and Space Science	Life Science	
	Cycles and Patterns of Earth, Moon and Sun (7.ESS.4) Moon Phases, Eclipses, Tides 3 weeks	Matter & Energy Flow (7.LS.1) Photosynthesis, Respiration, Energy Transformation, Conservation of Matter and Energy 3 weeks	Biomes (7.LS.2) Biotic and Abiotic Factors, Types, Environmental Factors, Populations 3 weeks