

April 11, 2006	September	October	November	December	January	February	March	April	May	June
7th Grade Science	<ul style="list-style-type: none"> Introduction to 7th grade science (Boot camp) Physical science 	<ul style="list-style-type: none"> Physical Science Property of matter (chemistry) 1 week 	<ul style="list-style-type: none"> Physical Science Property of matter (chemistry) 1 week Out of this world 	<ul style="list-style-type: none"> Reproduction & heredity 	<ul style="list-style-type: none"> Reproduction & heredity 	<ul style="list-style-type: none"> Human body 	<ul style="list-style-type: none"> Human body Forces in motion 	<ul style="list-style-type: none"> Forces in motion Ecology 	<ul style="list-style-type: none"> Ecology 	<ul style="list-style-type: none"> Ecology
8th Grade Science	<ul style="list-style-type: none"> Density (mass & volume) Buoyancy Scientific method Phase changes 	<ul style="list-style-type: none"> Chemistry – all matter made atoms too small to see Atoms bond to form molecules – about 100 Periodic table 	<ul style="list-style-type: none"> Chemical change transformation of matter Electric circuits and conservation of electricity Voltage 	<ul style="list-style-type: none"> Electricity & magnetism Light – radiant energy Refraction electro-magnetic spectrum 	<ul style="list-style-type: none"> Heat energy – heat increase motion molecules 	<ul style="list-style-type: none"> Meteorology Water cycle Sun Seasons 	<ul style="list-style-type: none"> Geology rock cycle 	<ul style="list-style-type: none"> Geology – continued Start diversity and evolution 	<ul style="list-style-type: none"> Diversity and evolution Motion start 	<ul style="list-style-type: none"> Forces and motion Velocity Acceleration Momentum
Science I	<ul style="list-style-type: none"> Forces and motion 	<ul style="list-style-type: none"> Forces and motion 	<ul style="list-style-type: none"> Heat and Energy 	<ul style="list-style-type: none"> Magnetism and Light 	<ul style="list-style-type: none"> Chemistry 	<ul style="list-style-type: none"> Chemistry 	<ul style="list-style-type: none"> Astronomy 	<ul style="list-style-type: none"> Geology 	<ul style="list-style-type: none"> Meteorology 	
Science II	<ul style="list-style-type: none"> Natural selection 	<ul style="list-style-type: none"> Cell biology 	<ul style="list-style-type: none"> Cellular energy flow 	<ul style="list-style-type: none"> Heredity reproduction 	<ul style="list-style-type: none"> Cello tissue differentiation 	<ul style="list-style-type: none"> Energy flow through ecosystems 	<ul style="list-style-type: none"> Path of carbon through ecosystems 	<ul style="list-style-type: none"> Recycling of inorganic 	<ul style="list-style-type: none"> Comparing natural to human applied ecosystems 	<ul style="list-style-type: none"> Comparing natural to human applied ecosystems
Chemistry	<ul style="list-style-type: none"> Atomic structure Physical behavior of matter: chemistry and physical properties 	<ul style="list-style-type: none"> Atomic structure Physical behavior of matter; chemistry and physical properties 	<ul style="list-style-type: none"> Physical behavior of matter: heat energy 	<ul style="list-style-type: none"> Periodic table 	<ul style="list-style-type: none"> Moles and stoichiometry 	<ul style="list-style-type: none"> Physical behavior of matter: Properties of a gas 	<ul style="list-style-type: none"> Chemical bonding Oxidation reduction 	<ul style="list-style-type: none"> Acids bases and satts 	<ul style="list-style-type: none"> Kinetics and equilibrium 	<ul style="list-style-type: none"> Nuclear chemistry
Physics	<ul style="list-style-type: none"> Intro to Physics, problem solving, assess and fill in math gaps Waves and sound 	<ul style="list-style-type: none"> Light and reflection 	<ul style="list-style-type: none"> Lens and refraction Diffraction and particle-wave duality 	<ul style="list-style-type: none"> Electricity and magnetism (new this year): not a GE, but relevant for a college-prep physics 	<ul style="list-style-type: none"> Motion in one dimension 	<ul style="list-style-type: none"> Vectors and motion in two dimension 	<ul style="list-style-type: none"> Gravitation Forces Research project-Interpreting data 	<ul style="list-style-type: none"> Forces (continued) Work, power and energy Research project-interpreting data 	<ul style="list-style-type: none"> Momentum, impulse Circular motion add this year (not GE required) Research project-interpreting data 	<ul style="list-style-type: none"> Momentum, impulse Circular motion add this year (not GE required) Research project-interpreting data
AP Physics	<ul style="list-style-type: none"> Intro-Preassess Math and Physics skills Review math Kinematics 	<ul style="list-style-type: none"> Newton Laws Work, energy, power 	<ul style="list-style-type: none"> Systems & Momentum Circular motion Rotation Oscillations Gravitation 	<ul style="list-style-type: none"> Wave motion Optics Reflection, refraction, mirrors, lenses 	<ul style="list-style-type: none"> Electrostatics Conductors Capacitors Circuits 	<ul style="list-style-type: none"> Magnetostatics Electromagnetism Atomic physics 	<ul style="list-style-type: none"> Nuclear physics Fluid mechanics 	<ul style="list-style-type: none"> Temperatures Heat Kinetic theory Thermodynamics 	<ul style="list-style-type: none"> Prepare for AP test Basic Astronomy/Astrophysics Structure of universe New topics in Astrophysics (probable) 	