

High School Science Overview



SDPC Academic Department Links

Cross Content Connections - First Nine weeks							
Biology I		Chemistry CP		Earth Science		Environmental Science	
Introduction to Biology	2 weeks	Lab Safety/Equipment/ Lab Skills & Measurement	5 weeks	Astronomy	9 weeks	Introduction to Environmental Science	2 weeks
Chemistry of Life	5 weeks					Earth Science Overview	2 weeks
Cells	2 weeks					Ecosystems	2.5 weeks
Cellular Transport	1 week					Energy Flow in Ecosystems	2.5 weeks
Cross Content Connections - Second Nine weeks							
Biology I		Chemistry CP		Earth Science		Environmental Science	
Cellular Transport (cont.)	1 week	Periodic Table/Periodic Trends	2 weeks	Geology	9 weeks	Biomes	3 weeks
Energy and the Cell	4 weeks	Bonding & Molecular Structure	4 weeks			Population Studies	3 weeks
Nucleic Acids	3 weeks	Carbon-Based Compounds/Organic Chemistry	3 weeks			Biodiversity	2 weeks
Cell Division/Regulation	1 week					Review	1 week
Cross Content Connections - Third Nine weeks							
Biology I		Chemistry CP		Earth Science		Environmental Science	
Cell Division/Regulation (cont.)	2 weeks	Reactions	3 weeks	Meterology	4 weeks	Water and Water Pollution	3 weeks
Mendelian Genetics/Heredity	2 weeks					Stoichiometry	6 weeks
Non-Mendelian Genetics	2 weeks	Land Use	3 weeks				
Biotechnology/Genetic Technology	1 week						
Evolution	2 weeks						
Cross Content Connections - Fourth Nine weeks							
Biology I		Chemistry CP		Earth Science		Environmental Science	
Evolution (cont.)	2 weeks	Gas Laws/States of Matter	2 weeks	Oceanography	4 weeks	Mineral Resources	2 weeks
Ecology	4 weeks	Nuclear Chemistry	2 weeks			Paleontology	5 weeks
		Acids/Bases/Salts: Identification, Properties & Reactions	2 weeks	Wastes	3 weeks		
Research / Projects	3 weeks	Solubility & Solutions	3 weeks	Review	1 week		

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Cross Content Connections - First Nine weeks

Physical Science		Physics CP		Physics Honors		Physics AP			
Introduction to Physical Science	3 weeks	Scientific Inquiry and Technological Design; Mathematical Analysis	2 weeks	Scientific Inquiry	2 weeks	Kinematics	4 weeks		
Properties of Matter	3 weeks	Vector Math, Vector Addition, Graphics, Components	3 weeks	Principles of Force and Motion	7 weeks			Newton's Laws of Motions	2 weeks
Atomic Structure and Nuclear Chemistry	4 weeks	One Dimensional Kinematics; Graphical Analysis; Free Fall	4 weeks					Work, Energy, Power	1 week
						Systems of Particles, Linear	1 week		
						Circular Motion	1 week		

Cross Content Connections - Second Nine weeks

Physical Science		Physics AP		Physics AP		Physics AP	
Bonding and Organic Chemistry	3 weeks	Curved Motion (Projectile motion and uniform circular motion)	3 weeks	Conservation, Transformation and Transfer of Mechanical Energy	4 weeks	Circular Motion, cont.	1 week
Reactions & Acids and Bases	5 weeks	Newton's Laws of Motion	3 weeks	Electricity and Magnetism	4 weeks	Fluid Mechanics and Thermal Physics	3 weeks
		Work/Energy and Conservation of Energy	3 weeks			Wave Motion	3 weeks
		Exam	1 week				

Cross Content Connections - Third Nine weeks

Physical Science		Physics AP		Physics AP		Physics AP	
Motion and Forces	4 weeks	Momentum and Its Conservation	3 weeks	Properties and Behavior of Mechanical and Electromagnetic Waves	6 weeks	Physical Optics	3 weeks
Energy and Work	4 weeks	Electrostatics	3 weeks			Geometric Optics	1 week
		Circuits	3 weeks	Properties and Behavior of Sound	3 weeks	Electrostatics	1 week
						Conductors, Capacitors, and	1 week
						Electric Circuits	3 weeks

Cross Content Connections - Fourth Nine weeks

Physical Science		Physics AP		Physics AP		Physics AP	
Electricity and Magnetism	3.5 weeks	Wave Mechanics	3 weeks	Properties and Behavior of Sound (cont.)	2.5 weeks	Magnetic Fields	1.5 weeks
Waves	3.5 weeks	Sound	3 weeks	Properties and Behavior of Light and Optics	5 weeks	Electromagnetism	1.5 weeks
EOC Review	2 weeks	Optics	3 weeks			Atomic and Nuclear Physics	2 weeks
Post EOC Enrichment	1 week					Review of AP Exam	1 week
				Exams	1 week	Special Topics	3 weeks

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Cross Content Connections - First Nine weeks							
Biology 2							
Classification	3 weeks						
Bacteria/Viruses	3 weeks						
Protists	3 weeks						
Cross Content Connections - Second Nine weeks							
Biology 2							
Fungi	3 weeks						
Plants	3 weeks						
Arthropods	3 weeks						
Cross Content Connections - Third Nine weeks							
Biology 2							
Vertebrates	3 weeks						
Chordates	3 weeks						
Animal Behavior	3 weeks						
Cross Content Connections - Fourth Nine weeks							
Biology 2							
Evolution	3 weeks						
Reproductive and Endocrine Systems	3 weeks						
Effects of Drugs	2 weeks						
Review	1 week						