

**REDBANK VALLEY SCHOOL DISTRICT
SCIENCE CURRICULUM MAP**

CHEMISTRY I

PA SCIENCE & TECHNOLOGY STANDARDS	CHAPTER								
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL
UNIFYING THEMES	Matter	Factor Label	Atoms; Molecules; Moles; Factor Label	Structure of Atoms Electron Locations	Structure of Molecules; Bonds	Formulas; Factor Label	Equations; Factor Label	Gases	Reactions; Theories of Acids
INQUIRY & DESIGN	Lab Procedure Lab	Lab Procedure Lab; Density Lab	Definite Composition Lab; Isotope Lab; Rutherford Investigation	Spectroscope Investigation	Molecular Model Lab; Ceramic Coating Lab	Mg O Lab; (Empirical Formula Lab)	NaHCO ₃ Lab; KC103 Lab	Boyle's Law; Molar Volume Labs; Graham's Law	Titration
BIOLOGICAL SCIENCES									
PHYSICAL SCIENCE, CHEMISTRY, PHYSICS	Scientific Method; Matter & its forms	Measurement Factor Label Density	Subatomic Particles; Moles	Quantum Numbers s,p,d,f	Lewis Structures; Bonds; Ionic, covalent	Writing Formula; Formulas using Math	Writing; Naming; Balancing equations; Stoichiometry	Gas; Laws	Acid- Bases
EARTH SCIENCES									
TECHNOLOGY EDUCATION									
SCIENCE, TECHNOLOGY, AND HUMAN ENDEAVORS									

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CHEMISTRY I

PA ENVIRONMENT & ECOLOGY STANDARDS	CHAPTER										
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	
	WATERSHEDS & WETLANDS										
	RENEWABLE & NONRENEW RESOURCES										
	ENVIRONMENT HEALTH										
	AGRICULTURE & SOCIETY										
	INTEGRATED PEST MANAGEMENT										
	ECOSYSTEMS AND INTERACTIONS										
	THREATENED, ENDANGERED AND EXTINCT SPECIES										
	HUMANS & ENVIRONMENT										
ENVIRONMENT LAWS											