

**REDBANK VALLEY SCHOOL DISTRICT
SCIENCE CURRICULUM MAP**

CHEMISTRY II

	CHAPTER									
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
PA SCIENCE & TECHNOLOGY STANDARDS	UNIFYING THEMES	Factor Label; Periodic Table	Factor Label; Equations	(Molarity) Equations; Heat	Heat; Gases	Structure of Atoms; Bonds	Structure of Molecules; Bonds	Reactions (Equations)	Reactions; Various Theories	Reactions (Balancing Equations)
	INQUIRY & DESIGN	Preparatory Labs	Empirical Formula Labs	Heat of Fusion Labs; Heat of Reaction Labs	Charles Law; Boyles Law; Molar Volume Labs	Ceramic Coating Lab	Molecular Model Lab (Tinker Toy Lab)	Indicator Lab- Change in color to Signify Equil.	Titration	Titration
	BIOLOGICAL SCIENCES									
	PHYSICAL SCIENCE, CHEMISTRY, PHYSICS	Measurement; Periodic Table; Mixtures	Atoms; Molecules; Ions/Moles; Chemical Formulas	Chemical Reactions & Equations; Thermo chemistry	Gas Laws; Electronic Structure of Atoms	Bonds Ionic Covalent	Molecular Structure; Liquids & Solids	Equilibrium	Acid-Bases; Solutes in Water	Oxidation Reduction
	EARTH SCIENCES									
	TECHNOLOGY EDUCATION									
	SCIENCE, TECHNOLOGY, AND HUMAN ENDEAVORS									

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CHEMISTRY II

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											