

**REDBANK VALLEY SCHOOL DISTRICT
SCIENCE CURRICULUM MAP**

ACADEMIC PHYSICAL SCIENCE 9

	CHAPTER									
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
PA SCIENCE & TECHNOLOGY STANDARDS	UNIFYING THEMES	Measuring; Solids, Liquids, gases	Atoms; Periodic Table	Acids/ Bases/ Solutions	Motion; Forces	Fluids; Work/Simple Machines	Energy/ Power; Heat	Waves; Sound	Electromagnetic Spectrum; Light	Electricity & Magnetism; Electric Current
	INQUIRY & DESIGN	Length, Mass, Volume, & Density Labs	Alloy Lab	Solution Labs; pH & Indicator Labs	Speed Lab; Newton's Laws Lab; Friction Lab	Buoyancy Lab; Bernoulli Experiments; Simple Machine Labs	KE/PE Labs; Energy Conversion Scavenger Hunt; Heat Transfer Lab			
	BIOLOGICAL SCIENCES							Hearing Sound		
	PHYSICAL SCIENCE, CHEMISTRY, PHYSICS	Length, Mass, Volume, Density, Metric Units, States of Matter	Atom Composition; Periodic Table	Solutions, Colloids, Suspensions, Solubility, Acids/Bases, pH, Indicators	Speed, Velocity Acceleration, Forces, Newton's 3 Laws, Friction, Gravity, Momentum	Pressure, Hydraulics, Buoyancy, Bernoulli, Work, Mechanical Advantage, Efficiency, Simple Machines	Kinetic & Potential Energy, Energy Forms & Conversions, Power, Temperature, Heat Transfer, Using Heat, Heating Systems	Waves, Interference, Sound, Applications of Sound	Electromagnetic Waves, Visible Light, Wireless Communications, Reflection, Refraction, Color, Uses of Light	Magnetism, Conductors, Insulators, Changes, Static Electricity, Current, Circuits
	EARTH SCIENCES						Energy From Fossil Fuels	Seismic Waves		Magnetic Earth
	TECHNOLOGY EDUCATION								Uses of Light	Electromagnets
	SCIENCE, TECHNOLOGY, AND HUMAN ENDEAVORS								Food Irradiation	

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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									