

**REDBANK VALLEY SCHOOL DISTRICT
SCIENCE CURRICULUM MAP**

PHYSICS II

	CHAPTER									
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
PA SCIENCE & TECHNOLOGY STANDARDS	UNIFYING THEMES	Units; Problem Solving; Kinematics	Vectors Force	Work; Energy; Momentum	Temperature; Electric Forces & Fields	Electrical Energy; Current	Magnetism; Inducing & Alternating Current	Atomic Physics; Modern Electronics	Subatomic Physics; Relativity	Quantum Physics; Nuclear Reactions
	INQUIRY & DESIGN									
	BIOLOGICAL SCIENCES									
	PHYSICAL SCIENCE, CHEMISTRY, PHYSICS	Measurment; Speed; Velocity; Acceleration; Kinematic Equations	Vectors; Relative Velocity; Forces, Newton's Laws	Work; Energy; Power, Momentum; Collisions	Temperature; Gas Laws; Expansion; Electric charges; Forces & Fields	Electrical Energy; Potential Difference; Capacitance; Current; Resistance	Magnetism; Electromagnetism; Induced Current; Alternating Current; Inductance	Energy Quantization; Atomic Models; Quantum Mechanics; Solid State Conductors; Semi- & Super - Conductors	Nuclear Decay; Particle Physics; Relativity	Planck's Hypothesis; Bohr Theory; Nuclear Reactions
	EARTH SCIENCES									
	TECHNOLOGY EDUCATION									
	SCIENCE, TECHNOLOGY, AND HUMAN ENDEAVORS									

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PHYSICS 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									