

**REDBANK VALLEY SCHOOL DISTRICT
SCIENCE CURRICULUM MAP**

APPLIED SCIENCE 11-12

PA SCIENCE & TECHNOLOGY STANDARDS	CHAPTER									
	TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
UNIFYING THEMES	Rock Cycle; Techtonics; Erosion; Weathering	Universe Solar System	Meteorology; Climates	Atoms; Matter	Chemistry	Environmental Concerns	Physical Science	Biological Systems	Maps and Graphs	
INQUIRY & DESIGN		Model of Solar System	Climate Maps	Atomis Models		Wise use of Resources	Building Structures		Making Graphs	
BIOLOGICAL SCIENCES	Fossils	Life in Space	Water as Necessary for Life; Climates	Protein & Carbohydrates	Organic Compounds	Pollution Effects on Humans		Photosynthesis; Ecology		
PHYSICAL SCIENCE, CHEMISTRY, PHYSICS	Convection			Atomic Structure; Energy	Mixtures & Compounds	Water & Soil Analysis	Motion & Forces			
EARTH SCIENCES	Rocks & Minerals; Fossils; Erosion Weathering		Water Cycle; Erosion	Crystals		Soil / H ₂ O; Oil/ Gas/ Coal		Fossils		
TECHNOLOGY EDUCATION		Inventions from Space Program	Prediction of Weather		Drug and medical Use				Graphs	
SCIENCE, TECHNOLOGY, AND HUMAN ENDEAVORS	Anthropology	Space Program	Agriculture	Early Development of Atomic theory		Wise use of Resources			Road Maps Topographic Maps	

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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									