

Standards Based Curriculum

Subject/Discipline: SciencePA Academic Standards Category: 3.4Major Concept: Physical Science, Chemistry and PhysicsGrade Level: 5

Objectives: The student will be able to:	Instructional Methods	PA Academic Standards	Assessment	Materials/Resources
<p>Describe reactants and products of simple chemical reactions</p> <p>Describe the motion of an object based on its position, direction, and speed</p> <p>Identify and articulate space program efforts to investigate possibilities of living in space and on other planets</p>	<p>Whole group instruction</p> <p>Experiments</p> <p>Small group discussion</p> <p>Group work</p> <p>Direct instruction</p>	<p>3.4.7A Describe concepts about the structure and properties of matter</p> <p>3.4.7C Identify and explain the principles of force and motion</p> <p>3.4.7D Describe essential ideas about the composition and structure of the universe and the earth's place in it</p>	<p>PSSA-Science (4th)</p> <p>Teacher created tests</p> <p>Experiments</p> <p>Labs</p>	<p>FOSS-Measurement</p> <p>Lab materials</p> <p>Transparencies</p> <p>Videos</p> <p>Vocabulary notebooks</p> <p>Workbook-PSSA</p> <p>Worksheets</p> <p>Lab activities</p>

Standards Based Curriculum

Subject/Discipline: ScienceMajor Concept: Earth SciencesPA Academic Standards Category: 3.5Grade Level: 5

Objectives: The student will be able to:	Instructional Methods	PA Academic Standards	Assessment	Materials/Resources
<p>Identify and locate significant earth resources in Pennsylvania</p> <p>Explain the processes involved in the formation of oil and coal in Pennsylvania</p>	<p>Whole group instruction</p> <p>Experiments</p> <p>Small group discussion</p> <p>Group work</p> <p>Direction instruction</p> <p>Field trip</p>	<p>3.5.7B Recognize earth resources and how they affect everyday life</p>	<p>PSSA-Science (4th)</p> <p>Teacher created tests</p> <p>Experiments</p> <p>Labs</p>	<p>FOSS-Landforms</p> <p>Lab materials</p> <p>Transparencies</p> <p>Videos</p> <p>Vocabulary notebooks</p> <p>Workbooks-PSSA</p> <p>Worksheets</p> <p>Lab activities</p> <p>Field trip</p>

Standards Based Curriculum

Subject/Discipline: SciencePA Academic Standards Category: 3.7Major Concept: Technological DevicesGrade Level: 5

Objectives: The student will be able to:	Instructional Methods	PA Academic Standards	Assessment	Materials/Resources
<p>Describe safe procedures for using tools and materials</p> <p>Select appropriate instruments to measure the size, weight, shape, and temperature of objects</p> <p>Apply basic on-line research techniques to solve a specific problem</p>	<p>Whole group instruction</p> <p>Experiments</p> <p>Small group discussion</p> <p>Group work</p> <p>Direct instruction</p>	<p>3.7.7A Describe the safe and appropriate use of tools, materials and techniques to answer questions and solve problems</p> <p>3.7.7B Use appropriate instruments and apparatus to study materials</p> <p>3.7.7E Explain basic computer communication systems</p>	<p>PSSA-Science (4th)</p> <p>Teacher created tests</p> <p>Experiments</p> <p>Labs</p> <p>Teacher observation</p>	<p>Computer-Smart Board</p> <p>Lab materials</p> <p>Transparencies</p> <p>Videos</p> <p>Vocabulary notebooks</p> <p>Workbook-PSSA</p> <p>Worksheets</p> <p>Lab activities</p>

Standards Based Curriculum

Subject/Discipline: SciencePA Academic Standards Category: 3.8Major Concept: Science, Technology and Human EndeavorsGrade Level: 5

Objectives: The student will be able to:	Instructional Methods	PA Academic Standards	Assessment	Materials/Resources
<p>Describe the positive and negative expected and unexpected effects of specific technological developments</p> <p>Describe ways technology extends and enhances human abilities</p>	<p>Whole group instruction</p> <p>Experiments</p> <p>Small group discussion</p> <p>Group work</p> <p>Direct instruction</p>	<p>3.8.7C Identify the pros and cons of applying technological and scientific solutions to address problems and the effect upon society</p>	<p>PSSA-Science (4th)</p> <p>Teacher created tests</p> <p>Experiments</p> <p>Labs</p>	<p>Computer-Smart Board</p> <p>Lab materials</p> <p>Transparencies</p> <p>Videos</p> <p>Vocabulary notebooks</p> <p>Workbooks-PSSA</p> <p>Worksheets</p> <p>Lab activities</p>

FACILITATIONS FOR SPECIAL NEEDS

Instructional Area: Science

Grade Level: 5

Supplemental Materials/Resources	Adapted Activities	Accelerated/Enriched Activities
<p>Science video media</p> <p>Practice books</p> <p>Teacher created materials</p> <p>Lab materials</p>	<p>Read test aloud</p> <p>Peer mentor</p> <p>Preferential seating</p> <p>Reduced answer choices</p> <p>Shortened assignments</p> <p>Instructional study guide in advance</p> <p>Adapted tests</p> <p>Use of extra resources for assessments</p>	<p>Teacher created materials and science projects</p> <p>Problem solving activities</p>