

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Dogs	This is Me	How to Be Healthy	Night Sky	Weather Changes	The Four Seasons	What is Made of Wood?	Water	Hot and Cold	Is This too Much?	Building a Birdhouse	Measuring for Treasure	Yesterday and Today	Wheels	Technology in My Life
3.1. Unifying Themes																
A. Know that natural and human-made objects are made up of parts.	1. Identify and describe what parts make up a system. 2. Identify system parts that are natural and human-made (ball point pen, simple electrical circuits, plant anatomy). 3. Describe the purpose of analyzing systems. 4. Know that technologies include physical technology systems (construction, manufacturing, transportation), information systems and biochemical-related systems.		X			X	X					X				
B. Know models as useful simplifications of objects or processes.	1. Identify different types of models. 2. Identify and apply models as tools for prediction and insight. 3. Apply appropriate simple modeling tools and techniques. 4. Identify theories that serve as models (molecules).			X	X	X	X									
C. Illustrate patterns that regularly occur and reoccur in nature.	1. Identify observable patterns (growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers). 2. Use knowledge of natural patterns to predict next occurrences (seasons, leaf patterns, lunar phases).	X			X	X	X		X	X						

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Grades K-4	Standard of Learning	Early Teaching Resource	A Butterflies Life	Freaky Fish	Skeletons	Wild Weather	Rocks and Minerals	Water All Around	Matter Matters	Push and Pull	Simple Machines	Amazing Mud	Collecting and Sorting Insects	Ice Maker, Ice Breaker	What if We Didn't Have Refrigerators?	Modern Day Explorer Steve H	Robots	Symmetry in Nature	How to Make a Square Change Shape	Animal Records	
3.1. Unifying Themes																					
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B. Know models as useful simplifications of objects or processes.	<ol style="list-style-type: none"> 1. Identify different types of models. 2. Identify and apply models as tools for prediction and insight. 3. Apply appropriate simple modeling tools and techniques. 4. Identify theories that serve as models (molecules). 	X			X	X	X	X	X		X	X		X			X		X		
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Grades K-4	Standard of Learning	Bones	The Brain and Nerves	The Heart	Muscles	Skin	Deserts	Mountains	Oceans	Rivers	Tropical Rainforests	Classifying Plants and Animals	Food Chains and Webs	How Plants Grow	Life Cycles of Plants and Animals	Under a Microscope: Small Life
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B. Know models as useful simplifications of objects or processes.	1. Identify different types of models. 2. Identify and apply models as tools for prediction and insight. 3. Apply appropriate simple modeling tools and techniques. 4. Identify theories that serve as models (molecules).	X	X	X	X	X						X	X	X	X	X
C. Illustrate patterns that regularly occur and reoccur in nature.	1. Identify observable patterns (growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers). 2. Use knowledge of natural patterns to predict next occurrences (seasons, leaf patterns, lunar phases).	X	X	X	X	X	X	X	X	X	X		X	X	X	X

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Grades K-4	Standard of Learning	The Circulatory System	The Digestive System	The Nervous System	The Respiratory system	The Skeletal and Muscular Systems	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior	Classifying/Grouping Materials	Force and Motion	Gravity	Measuring Matter	States of Matter
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C. Recognize and use the elements of scientific inquiry to solve problems.	1. Generate questions about objects, organisms and/or events that can be answered through scientific investigations. 2. Design an investigation. 3. Conduct an experiment. 4. State a conclusion that is consistent with the information.	X											X							
D. Recognize and use the technological design process to solve problems.	1. Recognize and explain basic problems. 2. Identify possible solutions and their course of action. 3. Try a solution. 4. Describe the solution, identify its impacts and modify if necessary. 5. Show the steps taken and the results.																			

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Grades K-4	Standard of Learning	Fluent A Teaching Resource	Dinosaurs	Things that Sting	What's Inside Me?	Motion in Space	Environmental Disasters	Diamonds	Turns that Down!	Describe it	Larger than Life	The Tools of Science	Let's Get Organized	Forming Hypotheses	Careers	Making a Space Shuttle	Scream Machines	Who Gets More?	What if We Measured Speed as Feet per Hour?	Numbers in Science
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Grades K-4	Standard of Learning	Color and Light	Electrical Circuits	Hearing and Sound	Magnets	Simple Machines	Electricity and Magnetism	Heat	Light	Motion	Sound	Glass	Metal	Paper	Plastics	Textiles
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3.3. Biological Sciences																
A. Know the similarities and differences of living things.	1. Identify life processes of living things (growth, digestion, react to environment). 2. Know that some organisms have similar external characteristics (anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat. 3. Describe basic needs of plants and animals.	X	X	X	X	X	X			X	X					
B. Know that living things are made up of parts that have specific functions.	1. Identify examples of unicellular and multicellular organisms. 2. Determine how different parts of a living thing work together to make the organism function.	X	X	X	X	X		X								
C. Know that characteristics are inherited and, thus, offspring closely resemble their parents.	1. Identify characteristics for animal and plant survival in different climates. 2. Identify physical characteristics that appear in both parents and offspring and differ between families, strains or species.						X		X		X					
D. Identify changes in living things over time.	1. Compare extinct life forms with living organisms.						X				X					

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Grades K-4	Standard of Learning	Fluent B Teaching Resource	Air and Wind	Earth Movements	Soil Science	Water, Water, Everywhere	What's Up with the Weather	The Earth	The Journey into Space	The Moon	The Solar System	The Sun	Earthquakes	Floods	Hurricanes	Tornadoes	Volcanoes
3.4. Physical Science, Chemistry and Physics																	
A. Recognize basic concepts about the structure and properties of matter.	<ol style="list-style-type: none"> 1. Describe properties of matter (hardness, reactions to simple chemical tests). 2. Know that combining two or more substances can make new materials with different properties. 3. Know different material characteristics (texture, state of matter, solubility). 																
B. Know basic energy types, sources and conversions.	<ol style="list-style-type: none"> 1. Identify energy forms and examples (sunlight, heat, stored, motion). 2. Know the concept of energy flow by measuring flow through an object or system. 3. Describe static electricity in terms of attraction, repulsion and sparks. 4. Apply knowledge of the basic electrical circuits to design and construction simple direct current circuits. 5. Classify materials as conductors and nonconductors. 6. Know and demonstrate the basic properties of heat by producing it in a variety of ways. 7. Know the characteristics of light (reflection, refraction, absorption) and use them to produce heat, color or a virtual image. 		X								X						

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Grades K-4	Standard of Learning	Fluent B Teaching Resource	Air and Wind	Earth Movements	Soil Science	Water, Water, Everywhere	What's Up with the Weather	The Earth	The Journey into Space	The Moon	The Solar System	The Sun	Earthquakes	Floods	Hurricanes	Tornadoes	Volcanoes
3.4. Physical Science, Chemistry and Physics Cont.																	
C. Observe and describe different types of force and motion.	<ol style="list-style-type: none"> 1. Identify characteristics of sound (pitch, loudness and echoes) 2. Recognize forces that attract or repel other objects and demonstrate them. 3. Describe various types of motions. 4. Compare the relative movement of objects and describe types of motion that are evident. 5. Describe the position of an object by locating it relative to another object or the background (geographic direction, left, up). 																
D. Describe the composition and structure of the universe and the earth's place in it.	<ol style="list-style-type: none"> 1. Recognize earth's place in the solar system. 2. Explain and illustrate the causes of seasonal changes. 3. Identify planets in our solar system and their general characteristics. 4. Describe the solar system motions and use them to explain time (days, seasons), major lunar phases and eclipses. 						X		X	X	X						

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3.5. Earth Sciences																	
A. Know basic landforms and earth history.	1. Describe earth processes (rusting, weathering, erosion) that have affected selected physical features in students' neighborhoods. 2. Identify various earth structures (mountains, faults, drainage basins) through the use of models. 3. Identify the composition of soil as weathered rock and decomposed organic remains. 4. Describe fossils and the type of environment they lived in (tropical, aquatic, desert).			X	X							X	X				X
B. Know types and uses of earth materials.	1. Identify uses of various earth materials (buildings, highways, fuels, growing plants). 2. Identify and sort earth materials according to a classification key (soil/rock type).				X												
C. Know basic weather elements.	1. Identify cloud types. 2. Identify weather patterns from data charts (including temperature, wind direction and speed, precipitation) and graphs of the data. 3. Explain how the different seasons effect plants, animals, food availability and daily human life.						X						X	X	X		

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Grades K-4	Standard of Learning	Erosion	Forecasting	Natural Disasters	Records and Oddities	Seasons and Patters	Amphibians and Reptiles	Birds	Fish	Insects	Mammals	At Home in the Ocean	At Home in the Tropical Rainforest	A Home by the River	A Hot Desert Home	A Mountain Home
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D. Recognize the earth's different water resources.	1. Know that approximately three-fourths of the earth is covered by water. 2. identify and describe types of fresh and salt-water bodies. 3. Identify examples of water in the form of solid, liquid and gas on or near the surface of the earth. 4. Explain and illustrate evaporation and condensation. 5. Recognize other resources available from water (energy, transportation, minerals, food).								X							

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Grades K-4	Standard of Learning	Emergent Teaching Resource	Shells	Night Animals	Scaly and Scary	Fossils	Can You See the Wind?	The Dirt Under Your Feet	Sink or Float?	Measuring	Energy	How Much Does it Weigh?	As Fast as a Cheetah	Can You Guess What it Is?	Saturday Night Pizza	Transportation	What's the Problem?	Over and Under	Shapes	How Many In All?
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3.6. Technology Education																
A. Know that biotechnologies relate to propagating, growing, maintaining, adapting, treating and converting.	<ol style="list-style-type: none"> 1. Identify agricultural and industrial production processes that involve plants and animals. 2. Identify waste management treatment processes. 3. Describe how knowledge of the human body influences or impacts ergonomic design. 4. Describe how biotechnology has impacted various aspects of daily life (health care, agriculture, waste treatment). 															
B. Know that information technologies involve encoding, transmitting, receiving, storing, retrieving and decoding.	<ol style="list-style-type: none"> 1. Identify electronic communication methods that exist in the community (digital cameras, telephone, internet, television, fiber optics). 2. Identify graphic reproduction methods. 3. Describe appropriate image generating techniques (photography, video). 4. Demonstrate the ability to communicate an idea by applying basic sketching and drawing techniques. 													X		X

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3.6. Technology Education																	
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B. Know that information technologies involve encoding, transmitting, receiving, storing, retrieving and decoding.	1. Identify electronic communication methods that exist in the community (digital cameras, telephone, internet, television, fiber optics). 2. Identify graphic reproduction methods. 3. Describe appropriate image generating techniques (photography, video). 4. Demonstrate the ability to communicate an idea by applying basic sketching and drawing techniques.							X						X	X		

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Bones	The Brain and Nerves	The Heart	Muscles	Skin	Deserts	Mountains	Oceans	Rivers	Tropical Rainforests	Classifying Plants and Animals	Food Chains and Webs	How Plants Grow	Life Cycles of Plants and Animals	Under a Microscope: Small Life
3.6. Technology Education																
A. Know that biotechnologies relate to propagating, growing, maintaining, adapting, treating and converting.	1. Identify agricultural and industrial production processes that involve plants and animals. 2. Identify waste management treatment processes. 3. Describe how knowledge of the human body influences or impacts ergonomic design. 4. Describe how biotechnology has impacted various aspects of daily life (health care, agriculture, waste treatment).															
B. Know that information technologies involve encoding, transmitting, receiving, storing, retrieving and decoding.	1. Identify electronic communication methods that exist in the community (digital cameras, telephone, internet, television, fiber optics). 2. Identify graphic reproduction methods. 3. Describe appropriate image generating techniques (photography, video). 4. Demonstrate the ability to communicate an idea by applying basic sketching and drawing techniques.										X				X	

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Dogs	This is Me	How to Be Healthy	Night Sky	Weather Changes	The Four Seasons	What is Made of Wood?	Water	Hot and Cold	Is This too Much?	Building a Birdhouse	Measuring for Treasure	Yesterday and Today	Wheels	Technology in My Life
3.6. Technology Education Continued																
C. Know physical technologies of structural design, analysis and engineering, finance, production, marketing, research and design.	<ol style="list-style-type: none"> 1. Identify and group a variety of construction tasks. 2. Identify the major construction systems present in a specific local building. 3. Identify specific construction systems that depend on each other in order to complete a project. 4. Know skills used in construction. 5. Identify examples of manufactured goods present in the home and school. Identify basic resources needed to produce a manufactured item. 6. Identify basic component operations in a specific manufacturing enterprise (cutting, shaping, attaching). 7. Identify waste and pollution resulting from a manufacturing enterprise. 8. Explain and demonstrate the concept of manufacturing (assemble a set of papers or ball point pens sequentially, mass produce an object). 9. Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. 10. Identify and experiment with simple machines used in transportation systems. 11. Explain how improved transportation systems have changed society. 															

X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Emergent Teaching Resource	Shells	Night Animals	Scaly and Scary	Fossils	Can You See the Wind?	The Dirt Under Your Feet	Sink or Float?	Measuring	Energy	How Much Does it Weigh?	As Fast as a Cheetah	Can You Guess What it Is?	Saturday Night Pizza	Transportation	What's the Problem?	Over and Under	Shapes	How Many In All?
3.6. Technology Education Continued																				
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																X				

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Fluent A Teaching Resource	Dinosaurs	Things that Sting	What's Inside Me?	Motion in Space	Environmental Disasters	Diamonds	Turns that Down!	Describe it	Larger than Life	The Tools of Science	Let's Get Organized	Forming Hypotheses	Careers	Making a Space Shuttle	Scream Machines	Who Gets More?	What if We Measured Speed as Feet per Hour?	Numbers in Science
3.6. Technology Education Continued																				
C. Know physical technologies of structural design, analysis and engineering, finance, production, marketing, research and design.	<ol style="list-style-type: none"> 1. Identify and group a variety of construction tasks. 2. Identify the major construction systems present in a specific local building. 3. Identify specific construction systems that depend on each other in order to complete a project. 4. Know skills used in construction. 5. Identify examples of manufactured goods present in the home and school. Identify basic resources needed to produce a manufactured item. 6. Identify basic component operations in a specific manufacturing enterprise (cutting, shaping, attaching). 7. Identify waste and pollution resulting from a manufacturing enterprise. 8. Explain and demonstrate the concept of manufacturing (assemble a set of papers or ball point pens sequentially, mass produce an object). 9. Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. 10. Identify and experiment with simple machines used in transportation systems. 11. Explain how improved transportation systems have changed society. 																			

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Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Color and Light	Electrical Circuits	Hearing and Sound	Magnets	Simple Machines	Electricity and Magnetism	Heat	Light	Motion	Sound	Glass	Metal	Paper	Plastics	Textiles
3.6. Technology Education Continued																
C. Know physical technologies of structural design, analysis and engineering, finance, production, marketing, research and design.	<ol style="list-style-type: none"> 1. Identify and group a variety of construction tasks. 2. Identify the major construction systems present in a specific local building. 3. Identify specific construction systems that depend on each other in order to complete a project. 4. Know skills used in construction. 5. Identify examples of manufactured goods present in the home and school. Identify basic resources needed to produce a manufactured item. 6. Identify basic component operations in a specific manufacturing enterprise (cutting, shaping, attaching). 7. Identify waste and pollution resulting from a manufacturing enterprise. 8. Explain and demonstrate the concept of manufacturing (assemble a set of papers or ball point pens sequentially, mass produce an object). 9. Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting. 10. Identify and experiment with simple machines used in transportation systems. 11. Explain how improved transportation systems have changed society. 															
												X	X	X	X	X

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Dogs	This is Me	How to Be Healthy	Night Sky	Weather Changes	The Four Seasons	What is Made of Wood?	Water	Hot and Cold	Is This too Much?	Building a Birdhouse	Measuring for Treasure	Yesterday and Today	Wheels	Technology in My Life
3.7. Technological Devices Continued																
E. Identify basic computer communications systems.	1. Apply a web browser. 2. Apply basic electronic mail functions. 3. Use on-line searches to answer age appropriate questions.															
3.8. Science, Technology and Human Endeavors																
A. Know that people select, create and use science and technology and that they are limited by social and physical restraints.	1. Identify and describe positive and negative impacts that influence or result from new tools and techniques. 2. Identify how physical technology (construction, manufacturing, transportation), informational technology and biotechnology are used to meet human needs. 3. Describe how scientific discoveries and technological advancements are related. 4. Identify interrelationships among technology, people and their world. 5. Apply the technological design process to solve a simple problem.													X		X
B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.													X		X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Emergent Teaching Resource	Shells	Night Animals	Scaly and Scary	Fossils	Can You See the Wind?	The Dirt Under Your Feet	Sink or Float?	Measuring	Energy	How Much Does it Weigh?	As Fast as a Cheetah	Can You Guess What it Is?	Saturday Night Pizza	Transportation	What's the Problem?	Over and Under	Shapes	How Many In All?
		3.7. Technological Devices Continued																		
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B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.														X	X	X			

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Early Teaching Resource	A Butterflies Life	Freaky Fish	Skeletons	Wild Weather	Rocks and Minerals	Water All Around	Matter Matters	Push and Pull	Simple Machines	Amazing Mud	Collecting and Sorting Insects	Ice Maker, Ice Breaker	What if We Didn't Have Refrigerators?	Modern Day Explorer Steve F	Robots	Symmetry in Nature	How to Make a Square Change Shape	Animal Records
3.7. Technological Devices Continued																				
E. Identify basic computer communications systems.	1. Apply a web browser. 2. Apply basic electronic mail functions. 3. Use on-line searches to answer age appropriate questions.																			
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B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.	X													X					

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Fluent A Teaching Resource	Dinosaurs	Things that Sting	What's Inside Me?	Motion in Space	Environmental Disasters	Diamonds	Turns that Down!	Describe it	Larger than Life	The Tools of Science	Let's Get Organized	Forming Hypotheses	Careers	Making a Space Shuttle	Scream Machines	Who Gets More?	What if We Measured Speed as Feet per Hour?	Numbers in Science
3.7. Technological Devices Continued																				
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B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.	X												X						

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Bones	The Brain and Nerves	The Heart	Muscles	Skin	Deserts	Mountains	Oceans	Rivers	Tropical Rainforests	Classifying Plants and Animals	Food Chains and Webs	How Plants Grow	Life Cycles of Plants and Animals	Under a Microscope: Small Life
3.7. Technological Devices Continued																
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B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.	X	X	X	X	X						X	X	X	X	X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Color and Light	Electrical Circuits	Hearing and Sound	Magnets	Simple Machines	Electricity and Magnetism	Heat	Light	Motion	Sound	Glass	Metal	Paper	Plastics	Textiles
3.7. Technological Devices Continued																
E. Identify basic computer communications systems.	1. Apply a web browser. 2. Apply basic electronic mail functions. 3. Use on-line searches to answer age appropriate questions.															
3.8. Science, Technology and Human Endeavors																
A. Know that people select, create and use science and technology and that they are limited by social and physical restraints.	1. Identify and describe positive and negative impacts that influence or result from new tools and techniques. 2. Identify how physical technology (construction, manufacturing, transportation), informational technology and biotechnology are used to meet human needs. 3. Describe how scientific discoveries and technological advancements are related. 4. Identify interrelationships among technology, people and their world. 5. Apply the technological design process to solve a simple problem.	X	X	X	X	X						X	X	X	X	X
B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.	1. Identify and distinguish between human needs and improving the quality of life. 2. Identify and distinguish between natural and human-made resources. 3. Describe a technological invention and the resources that were used to develop it.	X	X	X	X	X						X	X	X	X	X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Dogs	This is Me	How to Be Healthy	Night Sky	Weather Changes	The Four Seasons	What is Made of Wood?	Water	Hot and Cold	Is This too Much?	Building a Birdhouse	Measuring for Treasure	Yesterday and Today	Wheels	Technology in My Life
3.8. Science, Technology and Human Endeavors Continued																
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.													X		X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Emergent Teaching Resource	Shells	Night Animals	Scaly and Scary	Fossils	Can You See the Wind?	The Dirt Under Your Feet	Sink or Float?	Measuring	Energy	How Much Does it Weigh?	As Fast as a Cheetah	Can You Guess What it Is?	Saturday Night Pizza	Transportation	What's the Problem?	Over and Under	Shapes	How Many In All?
3.8. Science, Technology and Human Endeavors Continued																				
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.														X	X	X			

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Early Teaching Resource	A Butterflies Life	Freaky Fish	Skeletons	Wild Weather	Rocks and Minerals	Water All Around	Matter Matters	Push and Pull	Simple Machines	Amazing Mud	Collecting and Sorting Insects	Ice Maker, Ice Breaker	What If We Didn't Have Refrigerators?	Modern Day Explorer Steve F	Robots	Symmetry in Nature	How to Make a Square Change Shape	Animal Records
3.8. Science, Technology and Human Endeavors Continued																				
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Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Fluent A Teaching Resource	Dinosaurs	Things that Sting	What's Inside Me?	Motion in Space	Environmental Disasters	Diamonds	Turns that Down!	Describe it	Larger than Life	The Tools of Science	Let's Get Organized	Forming Hypotheses	Careers	Making a Space Shuttle	Scream Machines	Who Gets More?	What if We Measured Speed as Feet per Hour?	Numbers in Science
3.8. Science, Technology and Human Endeavors Continued																				
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.	X													X					

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Erosion	Forecasting	Natural Disasters	Records and Oddities	Seasons and Patterns	Amphibians and Reptiles	Birds	Fish	Insects	Mammals	At Home in the Ocean	At Home in the Tropical Rainforest	A Home by the River	A Hot Desert Home	A Mountain Home
3.8. Science, Technology and Human Endeavors Continued																
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.					X	X	X	X	X	X	X	X	X	X	X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	Bones	The Brain and Nerves	The Heart	Muscles	Skin	Deserts	Mountains	Oceans	Rivers	Tropical Rainforests	Classifying Plants and Animals	Food Chains and Webs	How Plants Grow	Life Cycles of Plants and Animals	Under a Microscope: Small Life
3.8. Science, Technology and Human Endeavors Continued																
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.	X	X	X	X	X						X	X	X	X	X

Pennsylvania Academic Standards correlated to
Reading Essentials in Science
Perfection Learning Corporation

Grades K-4	Standard of Learning	The Circulatory System	The Digestive System	The Nervous System	The Respiratory system	The Skeletal and Muscular Systems	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior	Classifying/Grouping Materials	Force and Motion	Gravity	Measuring Matter	States of Matter
3.8. Science, Technology and Human Endeavors Continued																
C. Know the pros and cons of possible solutions to scientific and technological problems in society.	1. Compare the positive and negative expected and unexpected impacts of technological change. 2. Identify and discuss examples of technological change in the community that have both positive and negative impacts.						X	X	X	X	X	X	X	X	X	X

Pennsylvania Academic Standards correlated to
 Reading Essentials in Science
 Perfection Learning Corporation

Grades K-4	Standard of Learning	Color and Light	Electrical Circuits	Hearing and Sound	Magnets	Simple Machines	Electricity and Magnetism	Heat	Light	Motion	Sound	Glass	Metal	Paper	Plastics	Textiles
3.8. Science, Technology and Human Endeavors Continued																
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