

TITLE	PA STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
A Favorite Season ISBN 0022789731 6 PK ISBN 22793062	3.5.4.C.c.	D	90	A Favorite Season describes characteristics of each of the four seasons, and uses pictures to illustrate weather and activities associated with each season	spring summer winter
All About Animals ISBN 0022845917 6 PK ISBN 22863826	3.3.4.A.b., 3.3.4.B.b., 3.3.4.C.a.	C	380	All About Animals describes characteristics that help animals survive in their specific habitats. Photo are used to illustrate each of the animals and their habitats.	blubber hoof hooves
All Kinds of Plants ISBN 0022789669 6 PK ISBN 22792996	3.3.4.A.b.	B	BR	All Kinds of Plants uses simple words and pictures to describe and compare plants. This book also identifies some plants that are commonly used by people as food.	food plant
America, The Beautiful ISBN 0022845925 6 PK ISBN 22863834	3.5.4.A.b.	A	230	America the Beautiful introduces the terms mountain and canyon in a simple rhyming text. These landforms are shown in photos from the point of view of a soaring eagle.	canyon mountain
Animals Grow ISBN 002281079X 6 PK ISBN 22827137	3.1.4.C.a., 3.1.4.E.a., 3.2.4.B.b., 3.3.4.A.a.	D	210	Animals Grow shows the growth and development of animals such as giraffes and bears. The life cycle of a monarch butterfly is described with the words "grow" and "change," and a three-photo sequence shows the steps of butterfly's life cycle.	change grow
Animals on the Move ISBN 0022845895 6 PK ISBN 22863818	3.1.4.E.c., 3.3.4.B.b., 3.4.4.C.c., 3.4.4.C.d.	B	180	Animals on the Move uses photos to show how different kinds of animals move. Crawling, running, leaping, flying, and swimming are each shown.	crawl fly leap

* - Also available in an English Language Learner version

TITLE	PA STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
At the Petting Zoo ISBN 0022789650 6 PK ISBN 22792988	3.2.4.B.a., 3.2.4.B.b., 3.3.4.A.b., 3.4.4.A.c.	C	NP	<i>At the Petting Zoo</i> uses illustrations and single-word descriptions to identify differences among animals.	smooth rough
Clouds ISBN 002281082X 6 PK ISBN 22827161	3.2.4.B.b., This book provides an introduction to standard 3.5.4.C.a.	C	150	<i>Clouds</i> describes differences among clouds and uses photos to illustrate different types of clouds. This books also identifies clouds as the source of rain and snow, and asks students to consider whether fog is a cloud.	cloud rain snow
From Seed to Sunflower ISBN 0022845879 6 PK ISBN 22863788	3.1.4.C.a., 3.1.4.E.a., 3.3.4.A.a.	C	320	<i>From Seed to Sunflower</i> shows and describes the life cycle of a sunflower plant.	flower seed sunflower
Good Morning ISBN 0022784594 6 PK ISBN 22792880	3.1.4.C.a.	B	BR	<i>Good Morning</i> shows a variety of animals in the morning and in the evening. Students are asked to think about things that typically occur in the morning.	morning
I Like Ice ISBN 0022846034 6 PK ISBN 002286394X	3.1.4.E.d., 3.4.4.A.c., 3.5.4.D.c.	B	210	<i>I Like Ice</i> explains that water is a solid when it is cold and a liquid when it gets warmer. The terms frozen and melts are used to describe changes in state.	frozen icicle melt
Land High and Low ISBN 0022810811 6 PK ISBN 22827153	3.5.4.A.b.	C	150	<i>Land High and Low</i> describes mountains, valleys, canyons, and shows the ocean shore. Activities associated with each landform, such as hiking and sledding, are also mentioned.	canyon mountain valley

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TITLE	PA STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
Made from Clay ISBN 0022845992 6 PK ISBN 22863915	3.5.4.B.a., 3.6.4.C.f., 3.8.4.B.b.	B	260	<i>Made From Clay</i> identifies clay as an earth material and shows the many ways that people use clay.	clay mask pot
Making Sounds ISBN 0022820272 6 PK ISBN 22869174	This book provides an introduction to standard 3.4.4.C.a.	C	70	<i>Let's Make Sounds</i> shows several different ways that students can generate sounds. Photographs show students using recycled materials as musical instruments.	sound
Matter Changes ISBN 0022846042 6 PK ISBN 22863958	3.1.4.E.d., 3.4.4.A.c., 3.5.4.D.c.	C	220	<i>Matter Changes</i> describes matter, explains that matter is made up of tiny parts, and shows the three common states of matter. The role of heat in changes of state is also identified.	gas liquid solid
Melting Snow ISBN 0022846026 6 PK ISBN 22863931	3.1.4.E.d., 3.4.4.A.c., 3.5.4.D.c.	A	40	<i>Melting Snow</i> describes the change of state from solid to liquid that occurs when sunlight warms snow.	melting puddle Sun
Our Desert Home ISBN 0022789723 6 PK ISBN 22793054	3.3.4.A.b., 3.3.4.C.a.	C	BR	<i>Our Desert Home</i> uses illustrations to identify the plants, insects, reptiles, birds, and mammals that live in a desert habitat.	bird reptile mammal
Our Land ISBN 0022845933 6 PK ISBN 22863842	3.2.4.B.b., 3.5.4.A.b.	B	330	<i>Our Land</i> uses photographs to illustrate landforms and habitats, such as mountains, forests, valleys, deserts, rivers, and oceans.	land ocean valley

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Plant Parts ISBN 0022789677 6 PK ISBN 22793003	3.1.4.A.b., 3.3.4.B.b.	C	270	Plant Parts identifies roots, stems, leaves, flowers, cones, and fruits as plant parts.	fruit root stem
Plants Grow ISBN 0022810781 6 PK ISBN 22827129	3.3.4.A.c.	B	BR	Plants Grow identifies water, light, and soil as basic needs of plants.	soil
Recycle, Reduce, Reuse ISBN 0022845941 6 PK ISBN 22863850	3.6.4.A.b.	C	340	Recycle, Reduce, Reuse uses brief explanations and photos to define each of these methods of protecting the environment.	recycle reduce reuse
Rocks ISBN 0022810803 6 PK ISBN 22827145	This book provides an introduction to standard 3.5.4.B.b.	C	20	Rocks compares the colors, sizes, and textures of a variety of rocks.	rock
Seasons ISBN 002284595X 6 PK ISBN 22863869	3.1.4.C.a., 3.5.4.C.c.	A	50	Seasons illustrates the weather, clothing, and activities associated with each of the four seasons.	season weather
Small Plants Tall Plants ISBN 0022845852 6 PK ISBN 22863761	3.3.4.A.b.	A	310	Small Plants, Tall Plants describes the characteristics of some types of plants and points out differences among plants.	moss redwood sunflower

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TITLE	PA STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
Soft or Hard? ISBN 0022845984 6 PK ISBN 22863893	3.4.4.A.c.	A	BR	<i>Soft or Hard?</i> defines matter and describes different textures associated with solid matter. Examples of objects with different textures are identified.	matter solid
That Night Sky ISBN 0022810838 6 PK ISBN 002282717X	3.1.4.C.a., 3.2.4.B.b.	C	80	<i>The Night Sky</i> describes objects that are visible in the night sky, including the Moon and stars. Patterns of stars and phases of the Moon are pictures.	moon stars
Toys that Move ISBN 0022789715 6 PK ISBN 22793046	3.4.4.C.d.	C	330	<i>Toys That Move</i> uses toys to illustrate the fact that pushes and pulls (forces) change the motion of objects.	push pull
Water Moves ISBN 0022810862 6 PK ISBN 22827218	3.4.4.A.a., 3.4.4.A.c.	C	BR	<i>Water Moves</i> uses simple rhyming text to identify some of the properties of solid and liquid water.	water
What Can a Magnet Do? ISBN 0022846018 6 PK ISBN 22863923	3.4.4.A.a., 3.4.4.A.c., 3.4.4.C.b.	C	260	<i>What Can a Magnet Do?</i> explains that magnets can push or pull objects and shows some applications of magnets.	magnet pull push
What is the Weather? ISBN 0022845968 6 PK ISBN 22863877	This book provides an introduction to standard 3.5.4.C.b.	B	BR	<i>What Is the Weather?</i> uses the terms sunny, rainy, windy, cloudy, and snowy to describe the weather.	cloudy weather windy

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TITLE	PA STANDARDS ADDRESSED	GR LEVEL	LEXILE LEVEL	BOOK SUMMARY	VOCABULARY
What Kind of Animal Are You? ISBN 0022845887 6 PK ISBN 22863796	3.1.4.A.b., 3.3.4.B.a.	A	BR	<i>What Kind of Animal Are You?</i> points out characteristics of birds, fish, and mammals, and leads students to the conclusion that humans are mammals.	feather mammal scales
What Will I Wear Today? ISBN 0022845976 6 PK ISBN 22863885	3.5.4.C.c.	C	170	<i>What Will I Wear Today?</i> shows clothing associated with each season of the year.	fall spring summer winter
What's in the Soil? ISBN 0022789707 6 PK ISBN 22793038	3.2.4.B.b., 3.5.4.A.c.	C	BR	<i>What's In the Soil?</i> identifies living and nonliving things found in soil.	soil
Where Do Plants Live? ISBN 0022845860 6 PK ISBN 002286377X	3.3.4.A.b., 3.3.4.C.a.	B	350	<i>Where Do Plants Live?</i> shows the types of plants associated with different environments.	dry plant wet
Working with Clay ISBN 0022810854 6 PK ISBN 22827196	3.5.4.B.a., 3.6.4.C.i.	G	510	<i>Working with Clay</i> shows that clay is an earth material, and sequences the steps in making a useful product with clay.	clay
Working with Wood ISBN 0022810846 6 PK ISBN 22827188	3.5.4.B.a., 3.6.4.A.a., 3.6.4.C.i.	E	290	<i>Working with Wood</i> explains that wood comes from trees and describes the processes used to make useful products with wood.	wood

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Pennsylvania Academic Standards for Science and Technology

Standard

3.1.4 Unifying Themes

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.1.4.A. Know that natural and human-made objects are made up of parts.
- 3.1.4.A.a. • Identify and describe what parts make up a system.
- 3.1.4.A.b. • Identify system parts that are natural and human-made (e.g., ball point pen, simple electrical circuits, plant anatomy).
- 3.1.4.A.c. • Describe the purpose of analyzing systems.
- 3.1.4.A.d. • Know that technologies include physical technology systems (e.g., construction, manufacturing, transportation), informational systems and biochemical-related systems.
- 3.1.4.B. Know models as useful simplifications of objects or processes.
- 3.1.4.B.a. • Identify different types of models.
- 3.1.4.B.b. • Identify and apply models as tools for prediction and insight.
- 3.1.4.B.c. • Apply appropriate simple modeling tools and techniques.
- 3.1.4.B.d. • Identify theories that serve as models (e.g., molecules).
- 3.1.4.C. Illustrate patterns that regularly occur and reoccur in nature.
- 3.1.4.C.a. • Identify observable patterns (e.g., growth patterns in plants, crystal shapes in minerals, climate, structural patterns in bird feathers).
- 3.1.4.C.b. • Use knowledge of natural patterns to predict next occurrences (e.g., seasons, leaf patterns, lunar phases).
- 3.1.4.D. Know that scale is an important attribute of natural and human made objects, events and phenomena.
- 3.1.4.D.a. • Identify the use of scale as it relates to the measurement of distance, volume and mass.
- 3.1.4.D.b. • Describe scale as a ratio (e.g., map scales).
- 3.1.4.D.c. • Explain the importance of scale in producing models and apply it to a model.
- 3.1.4.E. Recognize change in natural and physical systems.
- 3.1.4.E.a. • Recognize change as fundamental to science and technology concepts.
- 3.1.4.E.b. • Examine and explain change by using time and measurement.
- 3.1.4.E.c. • Describe relative motion.
- 3.1.4.E.d. • Describe the change to objects caused by heat, cold, light or chemicals.

3.2.4 Inquiry and Design

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.2.4.A. Identify and use the nature of scientific and technological knowledge.
- 3.2.4.A.a. • Distinguish between a scientific fact and a belief.

- 3.2.4.A.b. • Provide clear explanations that account for observations and results.
- 3.2.4.A.c. • Relate how new information can change existing perceptions.
- 3.2.4.B. Describe objects in the world using the five senses.
- 3.2.4.B.a. • Recognize observational descriptors from each of the five senses (e.g., see-blue, feel-rough).
- 3.2.4.B.b. • Use observations to develop a descriptive vocabulary.
- 3.2.4.C. Recognize and use the elements of scientific inquiry to solve problems.
- 3.2.4.C.a. • Generate questions about objects, organisms and/or events that can be answered through scientific investigations.
- 3.2.4.C.b. • Design an investigation.
- 3.2.4.C.c. • Conduct an experiment.
- 3.2.4.C.d. • State a conclusion that is consistent with the information.
- 3.2.4.D. Recognize and use the technological design process to solve problems.
- 3.2.4.D.a. • Recognize and explain basic problems.
- 3.2.4.D.b. • Identify possible solutions and their course of action.
- 3.2.4.D.c. • Try a solution.
- 3.2.4.D.d. • Describe the solution, identify its impacts and modify if necessary.
- 3.2.4.D.e. • Show the steps taken and the results.

3.3.4 Biological Sciences

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.3.4.A. Know the similarities and differences of living things.
- 3.3.4.A.a. • Identify life processes of living things (e.g., growth, digestion, react to environment).
- 3.3.4.A.b. • Know that some organisms have similar external characteristics (e.g., anatomical characteristics; appendages, type of covering, body segments) and that similarities and differences are related to environmental habitat.
- 3.3.4.A.c. • Describe basic needs of plants and animals.
- 3.3.4.B. Know that living things are made up of parts that have specific functions.
- 3.3.4.B.a. • Identify examples of unicellular and multicellular organisms.
- 3.3.4.B.b. • Determine how different parts of a living thing work together to make the organism function.
- 3.3.4.C. Know that characteristics are inherited and, thus, offspring closely resemble their parents.
- 3.3.4.C.a. • Identify characteristics for animal and plant survival in different climates.
- 3.3.4.C.b. • identify physical characteristics that appear in both parents and offspring and differ between families, strains or species.
- 3.3.4.D. Identify changes in living things over time.
- 3.3.4.D.a. • Compare extinct life forms with living organisms.

Ecosystem Standards are in the Environment and Ecology Standard Category (4.6).

3.4.4 Physical Science, Chemistry and Physics

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.4.4.A. Recognize basic concepts about the structure and properties of matter.
 - 3.4.4.A.a. • Describe properties of matter (e.g., hardness, reactions to simple chemical tests).
 - 3.4.4.A.b. • Know that combining two or more substances can make new materials with different properties.
 - 3.4.4.A.c. • Know different material characteristics (e.g., texture, state of matter, solubility).
 - 3.4.4.B. Know basic energy types, sources and conversions.
 - 3.4.4.B.a. • Identify energy forms and examples (e.g., sunlight, heat, stored, motion).
 - 3.4.4.B.b. • Know the concept of the flow of energy by measuring flow through an object or system.
 - 3.4.4.B.c. • Describe static electricity in terms of attraction, repulsion and sparks.
 - 3.4.4.B.d. • Apply knowledge of the basic electrical circuits to design and construction simple direct current circuits.
 - 3.4.4.B.e. • Classify materials as conductors and nonconductors.
 - 3.4.4.B.f. • Know and demonstrate the basic properties of heat by producing it in a variety of ways.
 - 3.4.4.B.g. • Know the characteristics of light (e.g., reflection, refraction, absorption) and use them to produce heat, color or a virtual image.
 - 3.4.4.C. Observe and describe different types of force and motion.
 - 3.4.4.C.a. • Identify characteristics of sound (pitch, loudness and echoes)
 - 3.4.4.C.b. • Recognize forces that attract or repel other objects and demonstrate them.
 - 3.4.4.C.c. • Describe various types of motions.
 - 3.4.4.C.d. • Compare the relative movement of objects and describe types of motion that are evident.
 - 3.4.4.C.e. • Describe the position of an object by locating it relative to another object or the background (e.g., geographic direction, left, up).
 - 3.4.4.D. Describe the composition and structure of the universe and the earth's place in it.
 - 3.4.4.D.a. • Recognize earth's place in the solar system.
 - 3.4.4.D.b. • Explain and illustrate the causes of seasonal changes.
 - 3.4.4.D.c. • Identify planets in our solar system and their general characteristics.
 - 3.4.4.D.d. • Describe the solar system motions and use them to explain time (e.g., days, seasons), major lunar phases and eclipses.
- Refer to Technology Standard Category 3.6 for applied uses of these concepts and principles.

3.5.4 Earth Sciences

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.5.4.A. Know basic landforms and earth history.
 - 3.5.4.A.a. • Describe earth processes (e.g., rusting, weathering, erosion) that have affected selected physical features in students' neighborhoods.
 - 3.5.4.A.b. • Identify various earth structures (e.g., mountains, faults, drainage basins) through the use of models.
 - 3.5.4.A.c. • Identify the composition of soil as weathered rock and decomposed organic remains.

- 3.5.4.A.d. • Describe fossils and the type of environment they lived in (e.g., tropical, aquatic, desert).
- 3.5.4.B. Know types and uses of earth materials.
- 3.5.4.B.a. • Identify uses of various earth materials (e.g., buildings, highways, fuels, growing plants).
- 3.5.4.B.b. • Identify and sort earth materials according to a classification key (e.g., soil/rock type).
- 3.5.4.C. Know basic weather elements.
- 3.5.4.C.a. • identify cloud types.
- 3.5.4.C.b. • Identify weather patterns from data charts (including temperature, wind direction and speed, precipitation) and graphs of the data.
- 3.5.4.C.c. • Explain how the different seasons effect plants, animals, food availability and daily human life.
- 3.5.4.D. Recognize the earth's different water resources.

- 3.5.4.D.a. • Know that approximately three-fourths of the earth is covered by water.
- 3.5.4.D.b. • identify and describe types of fresh and salt-water bodies.
- 3.5.4.D.c. • Identify examples of water in the form of solid, liquid and gas on or near the surface of the earth.
- 3.5.4.D.d. • Explain and illustrate evaporation and condensation.
- 3.5.4.D.e. • Recognize other resources available from water (e.g., energy, transportation, minerals, food).

Refer to Environment and Ecology Standards Categories 4.1, 4.3, 4.8 for standards that deal with environmental impact of Earth structures and forces.

3.6.4 Technology Education

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.6.4.A. Know that biotechnologies relate to propagating, growing, maintaining, adapting, treating and converting.
- 3.6.4.A.a. • Identify agricultural and industrial production processes that involve plants and animals.
- 3.6.4.A.b. • Identify waste management treatment processes.
- 3.6.4.A.c. • Describe how knowledge of the human body influences or impacts ergonomic design.
- 3.6.4.A.d. • Describe how biotechnology has impacted various aspects of daily life (e.g., health care, agriculture, waste treatment).
- 3.6.4.B. Know that information technologies involve encoding, transmitting, receiving, storing, retrieving and decoding.
- 3.6.4.B.a. • Identify electronic communication methods that exist in the community (e.g., digital cameras, telephone, internet, television, fiber optics).
- 3.6.4.B.b. • Identify graphic reproduction methods.
- 3.6.4.B.c. • Describe appropriate image generating techniques (e.g., photography, video).
- 3.6.4.B.d. • Demonstrate the ability to communicate an idea by applying basic sketching and drawing techniques.
- 3.6.4.C. Know physical technologies of structural design, analysis and engineering, finance, production, marketing, research and design.
- 3.6.4.C.a. • Identify and group a variety of construction tasks.
- 3.6.4.C.b. • Identify the major construction systems present in a specific local building.
- 3.6.4.C.c. • Identify specific construction systems that depend on each other in order to complete a project.
- 3.6.4.C.d. • Know skills used in construction.

- 3.6.4.C.e. • Identify examples of manufactured goods present in the home and school.
- 3.6.4.C.f. • Identify basic resources needed to produce a manufactured item.
- 3.6.4.C.g. • Identify basic component operations in a specific manufacturing enterprise (e.g., cutting, shaping, attaching).
- 3.6.4.C.h. • Identify waste and pollution resulting from a manufacturing enterprise.
- 3.6.4.C.i. • Explain and demonstrate the concept of manufacturing (e.g., assemble a set of papers or ball point pens sequentially, mass produce an object).
- 3.6.4.C.j. • Identify transportation technologies of propelling, structuring, suspending, guiding, controlling and supporting.
- 3.6.4.C.k. • Identify and experiment with simple machines used in transportation systems.
- 3.6.4.C.l. • Explain how improved transportation systems have changed society.

3.7.4 Technological Devices

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

3.7.4.A. Explore the use of basic tools, simple materials and techniques to safely solve problems.

- 3.7.4.A.a. • Describe the scientific principles on which various tools are based.
- 3.7.4.A.b. • Group tools and machines by their function.
- 3.7.4.A.c. • Select and safely apply appropriate tools and materials to solve simple problems.

3.7.4.B. Select appropriate instruments to study materials.

- 3.7.4.Ba. • Develop simple skills to measure, record, cut and fasten.
- 3.7.4.Bb. • Explain appropriate instrument selection for specific tasks.

Computer literacy, including the use of hardware and software in standard statements C, D, and E, should be integrated across all content areas.

3.7.4.C. Identify basic computer operations and concepts.

- 3.7.4.C.a. • Identify the major parts necessary for a computer to input and output data.
- 3.7.4.C.b. • Explain and demonstrate the basic use of input and output devices (e.g., keyboard, monitor, printer, mouse).
- 3.7.4.C.c. • Explain and demonstrate the use of external and internal storage devices (e.g., disk drive, CD drive).

3.7.4.D. Use basic computer software.

- 3.7.4.D.a. • Apply operating system skills to perform basic computer tasks.
- 3.7.4.D.b. • Apply basic word processing skills.
- 3.7.4.D.c. • Identify and use simple graphic and presentation graphic materials generated by the computer.
- 3.7.4.D.d. • Apply specific instructional software.

3.7.4.E. Identify basic computer communications systems.

- 3.7.4.E.a. • Apply a web browser.
- 3.7.4.E.b. • Apply basic electronic mail functions.
- 3.7.4.E.c. • Use on-line searches to answer age appropriate questions.

3.8.4 Science, Technology and Human Endeavors

Pennsylvania's public schools shall teach, challenge and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:

- 3.8.4.A. Know that people select, create and use science and technology and that they are limited by social and physical restraints.
- 3.8.4.A.a. • Identify and describe positive and negative impacts that influence or result from new tools and techniques.
- 3.8.4.A.b. • Identify how physical technology (e.g., construction, manufacturing, transportation), informational technology and biotechnology are used to meet human needs.
- 3.8.4.A.c. • Describe how scientific discoveries and technological advancements are related.
- 3.8.4.A.d. • Identify interrelationships among technology, people and their world.
- 3.8.4.A.e. • Apply the technological design process to solve a simple problem.
- 3.8.4.B. Know how human ingenuity and technological resources satisfy specific human needs and improve the quality of life.
- 3.8.4.B.a. • Identify and distinguish between human needs and improving the quality of life.
- 3.8.4.B.b. • Identify and distinguish between natural and human-made resources.
- 3.8.4.B.c. • Describe a technological invention and the resources that were used to develop it.
- 3.8.4.C. Know the pros and cons of possible solutions to scientific and technological problems in society.
- 3.8.4.C.a. • Compare the positive and negative expected and unexpected impacts of technological change.
- 3.8.4.C.b. • Identify and discuss examples of technological change in the community that have both positive and negative impacts.