

SCIENCE APPLICATION SKILLS

High School/Transition

Grades 9–12+



- Explain the dangers of drugs and alcohol.
- Identify an unsafe situation and/or unwanted sexual advance and know where to go and whom to talk to in order to get help.
- Identify times when it is appropriate to call 9-1-1.
- Identify over-the-counter medications and personal prescriptions and determine proper doses/usages.
- Perform basic first-aid functions and take medications as directed.
- Seek out a resource to provide or assist with health care issues, illness, and/or injury.
- Plan and participate in an exercise program.

PHYSICAL SCIENCE

Understand the concepts of motion and movement.

- Identify when an object is in motion by position, direction, or speed.
- Apply the motion of objects for a purpose (e.g., form a circle by moving around the classroom chairs).
- Be aware of the rules for safely moving objects (e.g., using leg muscles to lift heavy objects and slowly pushing objects that roll).
- Perform an action that causes movement.
- Participate in a physical science activity.
- Practice mobility safety.

Describe specific physical characteristics of substances.

- Make something new by combining two or more things.
- Categorize common materials as liquids, solids, or gases.
- Organize objects based on their properties and characteristics (e.g., texture, shape, and color).
- Describe or illustrate what happens to specific materials as a result of temperature changes (e.g., butter melting when heated in a pan and water freezing when cooled in a freezer).
- Identify physical changes (e.g., melting and freezing) and apply them during daily living activities.
- Predict a change in matter (e.g., melting, freezing, or baking).

Describe how energy can change forms.

- Identify how to safely use electricity.
- Demonstrate how to safely use electricity during daily living activities.
- Identify how to safely use objects that produce heat.

SCIENCE CONTENT AREA SKILLS

Horizontal and Vertical Curriculum Progression

Physical Science

	PRIMARY	INTERMEDIATE	MIDDLE SCHOOL	HIGH SCHOOL/TRANSITION
	Identify object properties and characteristics (e.g., texture, shape, and color).	Sort objects based on their properties and characteristics (e.g., texture, shape, and color).		
	Explore objects and make them move.	Use the motion of objects for a purpose.	Identify the rules of motion and mobility.	Practice mobility safety.
		Create something new by combining two or more things (e.g., ingredients in a recipe).	Identify physical changes (e.g., melting and freezing).	Identify physical changes (e.g., melting and freezing) and apply them during daily living activities.