

GRADE ONE SCIENCE

DEMONSTRATES KNOWLEDGE OF CONTENT AND CONCEPTS

Plant and Animal Parts

- Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.
- Obtain information to compare ways in which the behavior of different animal parents and their offspring help the offspring to survive.
- Use information from observations (first-hand and from media) to identify similarities and differences among individual plants or animals of the same kind.

Light and Sound

- Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
- Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.
- Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.

Sky Patterns

- Use observations of the sun, moon, and stars to describe that each appears to rise in one part of the sky, appears to move across the sky, and appears to set.
- Analyze provided data to identify relationships among seasonal patterns of change, including relative sunrise and sunset time changes, seasonal temperature and rainfall or snowfall patterns, and seasonal changes to the environment.

GRADE ONE SCIENCE

DEMONSTRATES APPLICATION OF SKILLS AND PRACTICES

- Asking questions (science) and defining problems (engineering)
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematical and computational thinking
- Constructing explanations (science) and designing solutions (engineering)
- Engaging in argument from evidence
- Obtaining, evaluating and communicating information

GRADE ONE SOCIAL STUDIES

True Stories and Folk Tales from America and from Around the World

DEMONSTRATES KNOWLEDGE OF LEARNING STANDARDS

United States Leaders, Symbols, Events, and Holidays

- Identify state and national capitals.
- Identify the current president and describe what presidents do and that they get their authority from the people.
- Identify and explain the meaning of American national symbols.
- Demonstrate the ability to recite the Pledge of Allegiance, to sing several patriotic songs, and explain their general meanings.
- Give reasons for celebrating national and Massachusetts holidays.
- Give reasons for noting the days that mark the changes in seasons.

Individuals, Families, and Communities Now and Long Ago

- Read or listen to folktales from America and around the world and describe the main characters and their qualities.
- Read or listen to stories about famous Americans of different ethnic groups, faiths, and historical periods and describe their qualities or distinctive traits.
- Explain that Americans have a variety of different religions, celebrations, and customs and describe those held by members of the class and their families.

DEMONSTRATES APPLICATION OF CONCEPTS AND SKILLS

History and Geography

- Identify temporal sequences such as days, weeks, months, years, and seasons. Use words and phrases related to time and changing historical periods.
- Place events in students' own lives in chronological order.
- Read dates on a calendar and associate them with days of the week.
- Describe a map as a representation of space, such as the classroom, the school, the neighborhood, town, city, state, country, or world.
- Identify cardinal directions and apply them to maps, locations in the classroom, school, playground, and community.
- Define and locate the North Pole, the South Pole, and the equator.
- Define and give examples of a continent, mountain, river, lake, and ocean.

Civics and Government

- Give examples to show the meaning of the following words; *politeness, achievement, courage, honesty, and reliability.*

Economics

- Give examples of products that people buy and use.
- Give examples of services that people do for each other.
- Give examples of the choices people have to make about the goods and services they buy.