

GRADE TWO SCIENCE

DEMONSTRATES KNOWLEDGE OF CONTENT AND CONCEPTS

Plant and Animal Survival

- Plan and conduct an investigation to determine if plants need sunlight and water to grow.
- Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.
- Make observations of plants and animals to compare the diversity of life in different habitats.

Materials and Their Uses

- Describe and classify different kinds of materials by observable properties of color, flexibility, hardness, texture, and absorbency.
- Test different materials and analyze the data obtained to determine which materials have the properties that are best suited for an intended purpose.
- Analyze a variety of evidence to conclude that when a chunk of material is cut or broken into pieces, each piece is still the same material and, however small each piece is, has weight. Show that the material properties of a small set of pieces do not change when the pieces are used to build larger objects.
- Construct an argument with evidence that some changes to materials caused by heating or cooling can be reversed and some cannot.

Earth's Surface

- Map the shapes and types of landforms and bodies of water in an area.
- Use examples obtained from informational sources to explain that water is found in the ocean, rivers and streams, lakes and ponds, and may be solid or liquid.
- Observe how blowing wind and flowing water can move Earth materials from one place to another and change the shape of a landform.
- Investigate and compare the effectiveness of multiple solutions designed to slow or prevent wind or water from changing the shape of the land.

GRADE TWO 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 TWO SOCIAL STUDIES

E Pluribus Unum: From Many, One

DEMONSTRATES KNOWLEDGE OF LEARNING STANDARDS

Maps and Globes, Around the World, and Ancestors

- On a map of the world, locate all of the continents: North America, South America, Europe, Asia, Africa, Australia, and Antarctica.
- Locate the current boundaries of the United States, Canada, and Mexico.
- Locate the oceans of the world: the Arctic, Atlantic, Indian, Pacific, and Southern Oceans.
- Locate five major rivers in the world: the Mississippi, Amazon, Volga, Yangtze, and Nile.
- Locate major mountains or mountain ranges in the world such as the Andes, Alps, Himalayas, Mt. Everest, Mt. McKinley, and the Rocky Mountains.
- Explain the difference between a continent and a country and give examples of each.
- On a map of the world, locate the continent, regions, or countries from which students, their parents, guardians, grandparents, or other relatives or ancestors came. With the help of family members and the school librarian, describe traditional food, customs, sports and games, and music of the place they came from.
- With the help of the school librarian, give examples of traditions or customs from other countries that can be found in America today.
- With the help of the school librarian, identify and describe well-known sites, events, or landmarks in at least three different countries from which students' families come and explain why they are important.
- After reading or listening to a variety of true stories about individuals recognized for their achievements, describe and compare different ways people have achieved great distinction.

GRADE TWO SOCIAL STUDIES
E Pluribus Unum: From Many, One

DEMONSTRATES APPLICATION OF CONCEPTS AND SKILLS

History and Geography

- Use a calendar to identify days, weeks, months, years, and seasons.
- Use words and phrases related to time, changing historical periods, and causation.
- Use historical timelines to convey events in a student's life or in the history of countries studied.
- Describe how maps and globes depict geographical information in different ways, and follow narrative accounts using them.

Civics and Government

- Define and give examples of some of the rights and responsibilities that students have as citizens in the school.
- Give examples of people in the school or community who were good leaders and good citizens and explain the qualities that made them admirable.

Economics

- Give examples of people in the school and community who are both producers and consumers.
- Explain what buyers and sellers are and give examples of goods and services that are bought and sold in their community.