



# This year First Grade Science

- We are learning that solids, liquids, and gases have different properties.
- We are learning that when we mix, cool, or heat substances, their properties change.
- We are learning that plants and animals have different external features that help them thrive in different types of habitats and environments.
- We are learning that both plants and animals need water, but that plants need light, while animals need food.
- We are learning that animals eat plants or other animals for food. Animals also use plants or even other animals for shelter and nesting.
- We are learning how to figure out what animals eat from the shape of their teeth. If animals have sharp teeth, they probably eat meat and if they have flat teeth, they probably eat plants.
- We are learning that the roots of plants help it take in water and nutrients from the soil. We are learning that green leaves help plants make food from sunlight.
- We are learning how to use thermometers and wind vanes to measure the weather and to record day-to-day changes in the weather.
- We are learning that weather changes from day to day but that weather trends tend to be predictable during a season.
- We are learning that the sun warms the land, air and water.
- We are learning how to draw pictures that show features of the object we are describing.
- We are learning how to record observations and data using pictures, numbers, or written statements.
- We are learning to record observations on a bar graph.
- We are learning to describe the relative position of objects by using two references such as “above,” “next to,” “below,” or “left of.”
- We are learning to make new observations when we find that two descriptions of the same object do not match.





# This year First Grade History and Social Science

- We are learning the difference between how a rule is made in a direct democracy and in a representative democracy. In a direct democracy everyone votes on the rules and in a representative democracy an elected group of people make the rules.
- We are learning how to give examples of both types of democracies in our classroom, our school, and in our community.
- We are learning the meaning of the “Golden Rule,” and the elements of fair play, good sportsmanship, respect for the rights and opinions of others, and respect for rules by which we live.
- We are learning how to locate our local community, California, the United States, the seven continents, and the four oceans on maps and on globes.
- We are learning how to compare and contrast the information we get about a location from a three-dimensional model and from a picture of the same location.
- We are learning how to construct a simple map using cardinal directions and map symbols.
- We are learning about how location, weather, and physical environment affect the way people live. We are learning how these factors affect our food, clothing, shelter, transportation, and recreation.
- We are learning how to recite the Pledge of Allegiance and how to sing songs that express American ideals (e.g., “My Country ‘Tis of Thee”).
- We are learning about our national holidays and the heroism and achievements of the people associated with those holidays.
- We are learning to identify American symbols, landmarks, and essential document, such as the flag, bald eagle, Statue of Liberty, U.S. Constitution, and Declaration of Independence, and are learning to know the people and events associated with them.
- We are learning about how schools and communities in the past were structured.
- We are learning about different types of transportation used by people long ago.
- We are learning to recognize similarities and differences of earlier generations in areas such as work (inside and outside the home), dress, manners, stories, games, and festivals. We are learning to use sources such as biographies, oral histories, and folklore to learn about these things.
- We are learning about the ways in which we are all part of the same community at school, and how we all share the same principles, goals, and traditions, despite our varied ancestry.
- We are learning about diversity in our school and community and the benefits and challenges of a diverse population.
- We are learning about how Native Americans and immigrants to the U.S. have helped define Californian and American culture.





# This year First Grade History and Social Science

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- We are learning to compare the beliefs, customs, ceremonies, traditions, and social practices of the varied cultures of our local community from folklore.
- We are learning about the concept of exchange and how we use money to purchase goods and services.
- We are learning to identify the specialized work that people do to manufacture, transport, and market goods and services. We are learning about the contributions of people who work in the home.

