

Science & Social Studies Standards Study Guide

In an effort to allow everyone the opportunity to review & master the expectations for science and social studies the vocabulary & important information for each area are listed below. Please discuss these concepts with your child at home to assist with mastery.

Properties of Sound

- Sound is a type of energy that moves in waves.
- Sound is made by vibrations.
- Vibration is when an object moves back and forth.
- Volume is how loud or soft a sound is.
- Pitch is how high or low a sound is.
- Emergency sounds keep us safe. (Students should be able to give several examples of emergency sounds. Examples: ambulance, fire alarms, police cars, tornado sirens, etc)

Properties of Light

- A shadow is made when an object blocks a light source.
- A light source is something that gives off light. (Students should be able to give several examples of light sources. Examples: flashlight, lamp, light bulb, car headlights, computer screens, TVs, etc)

Properties of Magnets

- Attract means to pull.
- Repel means to push.
- Different poles of a magnet attract.
- Poles that are the same repel.
- Magnets are attracted to things made of iron.
- Students should be able to give examples of items that are attracted to magnets. (Examples: paperclips, toy cars, other magnets, refrigerator, stoves, etc)
- Students should be able to give examples of materials that magnets will pull through. (Examples: air, water, wood, paper, our hand, plastic)

Basic Needs of Plants

- Air
- Water
- Light
- Nutrients (food)

Parts of a Plant

- Root
- Stem
- Leaf
- Flower

Basic Needs of Animals

- Air
- Water
- Food
- Shelter

Landforms

- Mountains are tall and steep.
- Deserts are hot and dry.
- Valleys are low land in between two mountains.
- Plains are flat and grassy.
- Plateaus are steep on the sides and flat on top.
- Coasts are where water meets the land.

Oceans

- Students should be able to show the location of the 4 major oceans: Arctic, Atlantic, Pacific, Indian.

Continents

- Students should be able to show the location of the 7 continents: North America, South America, Europe, Asia, Africa, Australia, Antarctica.

Needs & Wants

- Needs are things we must have to live. (food, shelter, clothing)
- Wants are things we would like to have, but can live without.

Good & Services

- Goods are things we buy or use. (food, books, homes, cars, shoes, etc)
- Services are jobs people do for others. (dentist, teacher, store clerk, doctor)

Producers & Consumers

- A consumer is someone who BUYS or USES goods or services.
- A producer is someone who MAKES good, or GIVES services.