

Activity Supplies

Lesson 1: States of Matter

- 3 large opaque cups (not glasses)
- small solid object
- small container of water
- access to water, stove, and freezer
- pot
- long oven mitts
- ice cubes

Optional Activity

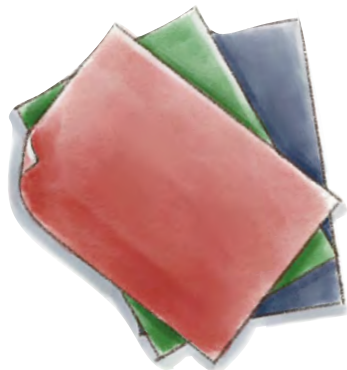
- 1 clear plastic disposable cup per child
- permanent marker
- ice cream scooper
- vanilla ice cream
- root beer or other soda of choice
- straw or spoon

Lesson 2: Atoms and Molecules

- piece of paper
- scissors (optional)

Optional Activity

- blocks or other building toy



Lesson 3: Force and Motion

- toy car or any toy with wheels

Optional Activity

- wide plank of wood, cookie sheet, or a hard, flat surface
- paper towel
- parchment or waxed paper
- sandpaper

Lesson 4: Gravity

- small, light object, such as a crayon or paper clip
- larger, heavy object, such as a baseball or an orange
- a camera, such as a phone camera, capable of slow-motion video (optional)

Optional Activity

- butcher paper or 2 poster boards
- liquid watercolor paint
- bowl or small paper cup
- craft pom-poms
- chair

Lesson 5: Electricity

- balloon

Optional Activity

- large number of marbles or pom-poms
- jar

Lesson 6: Magnets

- strong magnet
- paper clip
- compass (optional)
- 2 magnets with opposing sides
- 5 small, nonmagnetic household objects
- 5 small, magnetic household objects (such as paper clips, screws, bolts, nuts, scissors)
- tape
- small toy car

Lesson 7: Space Travel, Satellites, and Rockets

- scissors
- straw for each child
- glue or tape



Lesson 8: The Sun

- small amount of sand
- large orange or grapefruit

Optional Activity

- tape
- empty paper towel roll
- paper plate
- pencil
- timer

Activity Supplies, cont.

Lesson 9: Mercury

- 10–15 crayons of different colors, shades, and lengths

Optional Activity

- bowl
- 1 c flour
- $\frac{1}{4}$ c salt
- 1 tsp vegetable oil
- $\frac{1}{4}$ c water
- small rocks



Lesson 10: Venus

Optional Activity

- flashlight
- mirror

Lesson 11: Earth

Optional Activity

- paper
- crayons

Lesson 12: Mars

Optional Activity

- steel wool pad
- cup
- vinegar

Lesson 13: Jupiter

Optional Activity

- 2 c milk
- bowl
- red food coloring
- yellow food coloring
- spoon
- dishwashing soap

Lesson 14: Saturn

Optional Activity

- toy hoop

Lesson 15: Uranus

- toy top

Optional Activity

- play dough
- aluminum foil, paper clips, or thin wire

Lesson 16: Neptune

- 4 small items, such as fish-shaped crackers or pieces of cereal
- 6-sided dice

Lesson 17: Asteroids and Meteoroids

Optional Activity

- 9"x13" baking dish or shallow tub
- several cups of dirt or sand
- variety of small, hard objects, such as balls, rocks, marbles, etc.

Lesson 18: Comets

Optional Activity

- 60 m (2 ft) ribbon
- chopstick or pencil
- aluminum foil

Lesson 19: Stars

- black construction paper
- pencil
- flashlight

Optional Activity

- blanket

Lesson 20: The Moon

- 1 sandwich cookie with cream in the center per child



Activity Supplies, cont.

Lesson 21: Poles and Auroras

- grape
- toothpick
- orange

Optional Activity

- piece of black paper
- blue, purple, and green pastels or chalk



Lesson 22: Solar Power

- 2 pieces of black construction paper

Optional Activity

- several old crayons of different colors
- paper plate
- aluminum foil
- 2–3 cookie cutters in different shapes
- paper

Lesson 23: Did You Hear That?

- paper
- pencil
- scissors
- 5 dominoes
- an empty tissue box or shoebox
- 3–4 rubber bands of varying thickness or size

Lesson 24: Simple Machines

- butter knife

Optional Activity

- play dough

Lesson 26: Farm Machines

Optional Activity

- thick, adhesive craft foam
- scissors
- ruler
- lint roller
- paintbrush
- brown paint
- large piece of white paper

Lesson 27: Airplanes and Things That Fly

Optional Activity

- piece of cardstock
- scissors
- ruler
- drinking straw
- tape

Lesson 28: Cars and Trucks

Optional Activity

- 12 pieces of cereal for game markers

Lesson 29: Trains

- masking tape

Optional Activity

- large paper plate or piece of cardstock
- dark-colored marker
- graham crackers
- round butter crackers
- triangular corn candy
- round cereal
- fun-shaped candies or vegetables (optional)

Lesson 30: Float or Sink

- 2–3 small, light items that can get wet
- 2–3 small, heavy items that can get wet
- large bowl or container filled halfway with water
- towel
- scissors
- ruler
- aluminum foil
- 25–40 coins or marbles

