



Science

Sustainability

Sleuths

Supplies



ALL

aluminum foil	graph paper
battery	hot mitts
bowls (various sizes)	large, deep baking dish
box cutter (optional)	lightbulb, such as a Christmas light or flashlight bulb
butter knife, craft stick, or small spatula	liquid food coloring
cardboard	magnifying glass (optional)
cardboard box with lid, such as a pizza box or shoe box	marble or other small spherical object
cardstock	masking tape
cereal or granola	matches
cinnamon	measuring cups
clear cup	measuring spoons
clear plastic bottle with screw cap	medium or large mixing bowl
construction paper (need black as well as other colors)	microwave
crayons, markers, or colored pencils	microwave safe clear plastic or glass bowl
disposable straws	milk or milk substitute
empty toilet tubes, paper towel tubes, or wrapping paper tubes	mixing spoon
fan or outside wind	paper
flour	paper towels
foil, metal paperclips, binder clips, or electrical wire	parchment paper or wax paper
food to cook (such as chips and cheese for nachos, marshmallows and chocolate for s'mores, or tomato soup)	pen
	pencil
	permanent marker
	petroleum jelly, such as Vaseline
	plastic wrap



post it notes (optional)
ruler
salt
scissors
scrap paper (optional)
shaving cream foam
small clear cups
small oven-safe dish
small towel
small toys that can get wet, such as hot
wheel cars, plastic fruit, LEGOs, or blocks
small weights with holes in the middle,
such as washers or beads
small weights, such small rocks, marbles, or
coins

smashed banana, yogurt, or applesauce
spices or powders, such as cocoa or drink
mix (whatever you have in the kitchen)
spray bottle filled with water
string or ribbon
sunlight or heat lamp
tape
toothpicks (optional)
toy train tracks (optional)
trash bag
water
wooden skewer
zipper lock sandwich bag



DAY BY DAY

Day 1: Los Angeles' Environment

zipper lock sandwich bag
tape
water
permanent marker
shaving cream foam
liquid food coloring

clear cup
clear plastic bottle with screw cap (optional for students – can be teacher led)
matches and help from an adult (optional for students – can be teacher led)

Day 2: Salt Water

clear plastic or glass bowl*
small clear cup that can easily fit inside the bowl*
plastic wrap*
tape*
small weights, such small rocks, marbles, or coins
warm tap water
measuring cup
measuring spoon
salt
mixing spoon

sunlight or heat lamp*
paper
pencil
crayons, markers, or colored pencils (optional)
* For a faster experiment, you can also do this on the stove as a demonstration (or have students get help from an adult), but instead of using plastic or glass, make sure you use stovetop approved materials, such as a pot, boil-safe mug, and foil. Also, make sure you use proper safety gear, such as hot mitts.

Day 3: Sources of Water

¼ cup salt
½ cup flour
3 tablespoons warm water
measuring cups
measuring spoons
medium or large mixing bowl
mixing spoon

microwave
markers or paint
paper or template*
pen or pencil (optional)
parchment paper, wax paper, or cling film
masking tape (optional)
hot mitts (optional)



Day 4: Aqueducts

empty toilet tubes, paper towel tubes, or
wrapping paper tubes

scissors

cardboard

construction paper

tape

toy train tracks (optional)

marble or other small spherical object

Day 5: Groundwater

2 clear cups

spoon

straw

cereal or granola

milk or milk substitute

smashed banana, yogurt, or applesauce

cinnamon

food coloring or colored sugar

Day 6: Water Conservation

computers or tablets with access to the
internet (if it's possible, have your students
use two devices for these activities)

Day 7: Watersheds

large, deep baking dish

cups and/or drinking glasses (various sizes)

bowls (various sizes)

trash bag

small toys that can get wet, such as hot
wheel cars, plastic fruit, LEGOs, or blocks

foil (optional)

spices or powders, such as cocoa or drink
mix (whatever you have in the kitchen)

food coloring or other colored liquids
found in the kitchen

spray bottle filled with water

small towel (optional)

graph paper or copy paper

pen

ruler

scissors

petroleum jelly, such as Vaseline

butter knife, craft stick, or small spatula

cardstock, index card, paper plate, or
cardboard

tape



Day 8: Air Quality

graph paper or copy paper

pen

ruler

magnifying glass (optional)

wooden skewer or sharpened pencil

disposable straw (large enough to fit over the skewer/pencil)

scrap paper (optional)

paper towels

aluminum foil

toothpicks (optional)

index cards, thicker paper, playing cards, or spam mail credit cards

fan or outside wind

string or ribbon

small weights, such as washers or beads

tape

scissors

Day 9: Renewable Energy

lightbulb, such as a Christmas light or flashlight bulb

battery

foil, metal paperclips, binder clips, or electrical wire

cardboard box with lid, such as a pizza box or shoe box

aluminum foil

microwave safe glass or clear plastic bowl or casserole dish (must be able to fit upside down inside the box)

masking or duct tape

ruler or stick

box cutter (optional)** help from an adult

scissors

a sunny day

hot mitt/pot holder

oven-safe dish (small enough to fit inside your upside-down bowl)

black construction paper or dark colored baking tray (small enough to fit inside the box)

food to cook (such as chips and cheese for nachos, marshmallows and chocolate for s'mores, or tomato soup)

Day 10: You Make a Difference

pen or pencil

paper

clipboard (or hard surface to write on)

post it notes (optional)

scissors (optional)

tape (optional)