

# Materials List



# Materials List

## Standard Science Supplies

balance	meter stick	protractor	thermometer
calculator	metric beakers	spring scale	
goggles	metric measuring cups	stopwatch	
magnifying glass	metric measuring spoons	timer	

## Basic Supplies

buckets	containers	glue	scissors
colored pencils	crayons	newspaper	tape
construction paper	dishpan	paper towels	water

## Materials by Chapter

Materials marked with **X** are used only for enrichment demonstrations and activities.

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
aerosol can	X														
aluminum foil		X						X		X	X				
ammonia					X		X								
antacids, 4 commercial varieties							X								
apple or orange slices with seeds												X			
apple or potato slices					X										
appliances, several small								X							
bag of candy									X						
bag, black plastic			X								X				
bag, plastic sandwich		X							X	X					
bags, resealable		X			X		X								
baking soda	X						X								
balance		X	X							X					
ball, basketball											X				
ball, golf										X					
ball, rubber										X					
ball, soccer											X				
ball, softball											X				
ball, table tennis										X					
balloons				X			X			X	X				
batteries, C- or D-cell								X							
batteries, various sizes								X							

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
battery, 6-volt								X							
BBs									X		X				
bead, small											X				
blindfold														X	
blocks, toy					X				X						
board, 30 cm × 80 cm									X						
Borax							X								
bottle, 500 mL clear plastic		X					X								
bottle or container, small	X														
box, cardboard											X				
buckets		X	X		X										X
Bunsen burner										X					
butter		X													
calculator						X			X						
can, empty soup		X													
can, soft drink										X					
candle and candle holder										X				X	
card stock										X	X				
cardboard, stiff	X									X					
cardboard tubes			X	X	X				X						
carnation, white						X									
carrot tops												X			
checkers			X				X								
cheesecloth		X	X		X										
chocolate milk mix										X					
clay, dry		X													
clay, modeling	X	X		X											
clothespin, spring											X				
coins								X	X						
colored pencils					X		X	X		X					
compass, drawing													X		
cones, conifer, assorted male and female												X			
container, large							X					X			
containers, clear plastic													X		

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
containers, cylindrical			X												
containers, plastic with snap-on lids		X													
cooking oil			X												
cooking spray		X													
copper, small piece								X							
cotton balls			X												
cotton swabs					X										
craft sticks											X				
crayons		X											X		
crayon sharpener		X													
crispy rice cereal		X													
cups, clear plastic, any size			X		X		X	X	X			X	X		
cups, clear plastic 12 oz		X	X												
cups, clear plastic 9 oz		X													
cups, foam, any size	X										X			X	X
cups, foam 12 or 16 oz		X													
dehydrated food											X				
detergent, liquid													X		
dishpan, deep					X					X					
dish soap, liquid			X												
droppers, medicine or eye	X		X				X								X
earthworm					X										
eggs, raw														X	
electric fan			X												
electromagnet from appliance								X							
electronic devices, small											X				
eraser, chalkboard									X						X
fabric		X													
family tree													X		
fern						X									
fettuccine noodles, dry	X														
field guide, plants						X									
field guide, trees						X									
file folder							X								

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
fish bowl, glass					X									X	
fishing line											X				
flashlight					X					X	X				
flour										X	X				X
flower, large												X			
flower or plant that has died			X												
flower pots													X		
flowering plants (marigold or petunia)													X		
foam balls							X			X					
foam block, 20 cm × 25 cm	X														
food coloring			X			X									
freezer		X													
fruits, assorted dry and fleshy												X			
funnel	X														
gallon jug or pitcher			X												
glitter															X
globe											X				
gloves, latex															X
glue, white							X				X		X		
goggles, safety	X	X	X				X			X					X
grasshopper or picture of grasshopper					X										
grass tufts			X												
gravel													X		
hammer			X							X					
helmet, protective											X			X	
hot plate	X	X	X												
hydrogen peroxide, 3%							X								
ice		X			X										
ice cube tray		X													
insulators, various								X							
iron, electric		X													
iron filings								X							
jar, large-mouth glass		X			X										
jars, plastic with twist-on lids														X	

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
keys, assorted														X	
knife, small												X			
labels, blank										X					
lamp, 3-way, unshaded										X					
lamp, unshaded					X					X	X				
leaves, dried					X										
leaves, fresh			X												
lemon juice							X								
lenses, concave and convex										X					
level, carpenter's	X														
levers, assorted									X						
light bulb, 3-way										X					
light bulb, 40-watt										X					
light bulbs with sockets								X							
lights, Christmas tree								X							
litmus paper, red and blue							X								
magnet, horseshoe								X							
magnets, bar			X		X			X							
magnets, disk-shaped								X							
magnifying glass				X	X					X		X			
map, blank world															X
map, road													X		
map, world	X	X	X		X					X					
marble, large											X				
marble, small											X				
marker, permanent										X					
marshmallows, large	X	X		X							X				
matches										X					
mealworms					X										
measuring cups, metric	X	X			X		X								
measuring tape										X					
measuring wheel											X				
meat tenderizer													X		
metals, various			X					X							

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
meter stick		X			X				X	X	X				
microscope				X											
microscope slides, prepared				X											
milk							X								
mirror					X										
model car				X											
model 3-stage rocket (optional)											X				
mushroom cap												X			
nail, common, 6d										X					
nail, finishing (small)		X								X					
needle with large eye										X					
newspaper										X	X				
note card									X	X					X
notepad, plastic cover					X										
oatmeal or wheat bran					X										
overhead projector (optional)										X					
overhead transparency					X			X							
padlock with key						X								X	
paint											X				
paintbrushes											X				
pan, foil baking (9" × 13")			X												
pan, foil baking, small		X	X												
pan, foil loaf		X													
pan, saucepan, large	X	X													
paper				X			X								
paper clips, large metal								X			X				
paper fasteners											X				
paper hole punches		X													
paper towels			X			X		X			X				
paper, black					X			X		X	X	X			
paper, blue construction													X		
paper, graph										X					
paper, green construction													X		
paper, orange construction													X		

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
paper, unlined					X										
paper, white				X	X					X	X	X			
paper, yellow construction													X		
pasta, various, uncooked				X											
peas, dry											X				
pebbles			X		X										
pen										X					
pencil sharpener, battery or electric				X											
pennies	X								X		X				
pH indicator paper							X								
pH meter							X								
picture of a bison				X											
picture of a car				X											
picture of a flying gecko or flying squirrel					X										
picture of a hang glider					X										
picture of a jellyfish					X										
picture of a mole					X										
picture of a mountain lion				X											
picture of a mountain range										X					
picture of a porcupine					X										
picture of a rhinoceros					X										
picture of a sea star					X										
picture of a snail					X										
picture of a swan or duck					X										
picture of a whale					X										
picture of a woodpecker					X										
picture of an octopus					X										
picture of the solar system											X				
picture of the Statue of Liberty						X									
pictures of flowers						X									
pictures of the Grand Canyon		X													
pictures of various plants						X									
pictures of Yellowstone National Park	X														
pictures, various calendar			X												



Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
pie plate, foil											X				
pie plate (glass)	X			X											
pinwheel			X												
plastic lacing															X
plastic wrap											X				
pony beads, assorted colors															X
posterboard, assorted colors														X	
posterboard, black														X	
posterboard, white														X	
posterboard, white or colored							X								
potato chips (2 different brands)														X	
potato with sprouts												X			
potting soil		X	X		X							X			
power bill, electric								X							
prism										X					
protractor		X	X								X				
pulley									X						
quilt batting					X										
raw wheat germ													X		
red cabbage juice							X								X
resources about animals					X										
resources about diseases and discoveries															X
resources about planets											X				
resources about plants						X									
resources about roller coasters									X						
rocks, assorted small		X													
rocks, igneous	X														
rope			X												
rubber bands		X			X				X	X	X				
rubber spatula					X										
rubbing alcohol													X		
ruler (centimeter and inch)		X		X	X	X			X	X	X	X	X	X	
salt			X				X	X							
sand		X			X						X				

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
scissors, heavy duty		X	X								X				
scissors, school													X	X	
seed catalogs or seed packets		X				X									
seed, mustard											X				
seeds, carrot												X			
seeds, lima bean												X			
seeds, poppy											X				
self-stick white dots										X					
shoebox								X							
shortening, solid					X										
simple machines, various									X						
snail					X										
sodium hydroxide or lye mixture solution															X
soft drinks (2 different brands)														X	
soil samples		X													
sponge, manmade	X				X										
sponge, natural					X										
spoon, large		X													
spoons			X												
spray bottle		X													
spring scale									X						
spring toy	X														
staples, bar of								X							
star charts										X					
sticks (twigs)	X		X		X	X									
stirring sticks							X								
stopwatch or clock with second hand		X	X		X		X				X			X	
straw, drinking											X				
string	X					X			X		X				
suction cups					X										
sugar		X		X											
sunglasses											X				
sunscreen											X				
tape, clear					X						X			X	

Materials	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
tape, electrical								X							
tape, masking					X				X	X	X				
tape measure						X				X					
tea containing ginkgo						X									
tea kettle			X												
thermometers					X		X								
thread spool, empty									X						
thread, spools of									X	X					
tongs		X													
toothpick					X							X	X	X	
toy animal or doll				X											
toy car									X						
trail mix							X								
travel brochures											X				
tubing, flexible clear plastic									X						
umbrella, dark										X					
vinegar	X				X		X	X							
vise		X													
voltmeter								X							
water	X	X	X	X	X	X	X	X				X	X	X	
water, distilled							X								X
watering can or large salt shaker		X	X												
waxed paper		X													
wire, insulated								X							
wire screen					X										
wood, small pieces		X													
yeast				X			X								