

Elementary Science  
Materials List  
K-5

FLVS Global



## Science Grade K

### Student-Supplied Resources:

- Printer
- Disk space on your computer as well as external device to back up your files (flash drive, external hard drive, CD–Rom, etc.)
- Cell phone to take photo of student's work or scanner to scan student's work
- Science Notebook (three-ring binder)
- Pencils
- Erasers
- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module 1

- towel
- 10 small household items
- food coloring
- Q-Tips
- liquid soap
- milk
- plate
- paint
- shoe
- 8 containers you cannot see into (cardboard boxes, plastic eggs, etc.)
- sand
- marbles
- beads
- coins
- magazines
- blindfold
- milk jug
- elastic bands
- newspaper
- potato
- household food items

## Module 2

- different sized blocks
- newspaper
- glass jar
- playdough
- 4 black beans
- 2 unlabeled jars
- 4 green peas
- marble
- stapler
- sand
- hole punch
- straws
- pipe cleaners
- popsicle sticks
- paint
- paint brushes/sponges
- cotton balls
- glitter
- ribbon
- cardboard
- magazines
- egg cartons
- plastic lids
- sugar
- salt
- 5 mystery items
- empty box or bag
- cookie cutters
- rolling pin

## Module 3

- 8 objects with different textures
- 8 different colored items

## Module 4

- balloon
- speaker
- toilet paper roll
- plastic cup
- beads or rice or beans
- shoebox

- a flat surface
- salt
- wax paper
- cooking pot
- elastic bands
- sticks

#### Module 5

- toy car
- books or cushions
- an object with wheels
- string or rope
- plastic bag
- start/finish line
- a toy you can drop

#### Module 6

- straw
- rope or string
- plastic bottles, cans, or containers
- stick
- rolled up towels or pool noodles
- water bottles
- books
- cans
- toy cars
- ping pong ball or paper clip
- toy blocks
- basket or clothes hanger
- ball or rolled up socks
- cup
- ice cubes
- salt
- coins
- toys on wheels
- marbles
- dominoes
- toilet paper roll

#### Module 7

- small, light object
- 2 objects safe to drop

- paint
- objects to make a tower
- paint brushes
- cup with water
- canvas
- tissue paper
- string
- 1 quarter (or small weighted objects)
- small object to put on top of water

#### Module 8

- containers
- colored beads
- recyclable materials
- containers of soil
- water
- googly eyes
- proper walking shoes
- glass
- pipe cleaners
- modeling clay
- flashlight
- outdoor clothes

#### Module 9

- pictures of the sun

#### Module 10

- clipboard
- modeling clay

#### Module 11

- modeling clay (green, yellow, brown, red)
- clipboard
- small digging shovel
- toothpicks

#### **Free Downloads:**

- Java
- Windows Media Player
- Apple iTunes

## Science Grade 1

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- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module 1

- chalk (or rope, string)
- partner
- tracks (strings, towels, etc.)
- a small piece of paper/foil
- coat hanger
- ball
- strong tape (duct/electrical)
- food color/glitter/dish soap
- paint
- pillow
- jacket/shirt
- string/yarn
- screw
- candies/stickers/buttons
- bin with water
- paper towel rolls/cardboard
- various toys
- jump rope
- a soft object (pillow, feather)
- cardboard
- toothpicks
- two Styrofoam cups

- plastic water bottle
- two empty 16-ounce bottles
- container for balls
- drawer
- lid
- something with a zipper
- two plastic bottle caps
- screwdriver
- stack of books/boxes
- dominoes/blocks

#### Module 2

- magazines/flyers
- round objects
- glitter
- cups
- stopwatch
- wax paper
- plate
- popsicle sticks
- magnifying glass
- flashlight
- sunlight
- newspaper
- nook
- cotton balls/cotton swabs
- black paper
- plastic wrap
- sunscreen
- aluminum foil

#### Module 3

- sand or dirt
- small stones
- various sized containers
- clear plastic bottle with cap
- measuring cups
- clipboard
- dish washing fluid
- spray bottle
- toothpicks
- fan
- baking soda

- white vinegar
- mini marshmallows
- medium sized rock
- drinking straw
- paper plates
- food coloring (red and yellow/orange)
- glitter
- toys
- tray

#### Module 4

- paper clip
- washable paint
- shoe
- white paper
- ball
- coin
- spoon or dropper
- tissue
- cardstock

#### Module 5

- three containers
- clipboard
- mini shovel, scoop, or cup
- big tray

#### Module 6

- plants
- sun protection
- vegetable plant
- two plants
- construction paper (green, brown, white)
- pictures from magazines, the internet, or my own drawings
- straws
- yarn
- foam board
- hand lens (magnifying glass)
- magazines
- wild plant
- chart of leaf types
- colored papers or crepe papers
- beads



- pipe cleaners
- pom-poms

#### Module 7

- plant
- building blocks
- two lima beans
- soil
- a healthy, green plant
- plastic baggies
- paper towel
- clipboard
- plastic grocery bag
- paper clips
- black construction paper
- spray bottle

#### Module 9

- modeling clay
- art supplies

#### Module 10

- 10 objects
- bag
- thermometer

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## Science Grade 2

### Student-Supplied Resources:

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- Disk space on your computer as well as external device to back up your files (flash drive, external hard drive, CD–Rom, etc.)
- Cell phone to take photo of student's work or scanner to scan student's work
- Science Notebook (three-ring binder)
- Pencils
- Erasers
- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module One

- nearby objects
- empty juice box
- sponge
- magnets
- large bowl
- a plant in soil
- thermometer (in Celsius)
- paper plate
- flat rock
- can of soda (not diet soda)
- a weight (eraser, washer, etc.)
- hollow roll (paper towel or toilet paper roll)
- string

#### Module Two

- blender
- strawberries
- banana
- milk
- yogurt
- balloon
- lid

- solid from the kitchen (apple, banana etc.)
- 2 containers of different sizes
- liquids (oil, water, milk, juice)

#### Module Three

- small measuring container
- medium measuring container
- different shaped containers
- large measuring container
- small bowl

#### Module Four

- different materials
- freezer
- building blocks
- bowls
- round, colorful candies
- plate
- ice cube tray
- measuring tools
- food coloring
- spoon
- drinking cup
- ice
- rock salt
- bottled water

#### Module Five

- local weather forecast
- online weather report (optional)
- an outdoor thermometer in degrees Celsius
- rocks
- pictures of rocks from magazines or online
- animal parts (bugs, bones, shells, nails, etc.)
- containers to hold soil
- nail to make holes
- soil
- paper plate
- soil from your area (garden, backyard, park, etc.)
- hand lens
- coffee can with lid
- masking tape
- dead plant parts (roots, twigs, leaves, bark, etc.)

- measuring cups
- jar
- plastic spoon
- soil from the beach

#### Module Six

- marshmallows
- graham crackers
- craft sticks
- empty plastic water bottle
- one straw
- push pins
- pretzel sticks
- toothpicks
- modeling clay
- aluminum foil
- form of research; website, book, magazine etc.

#### Module Seven

- rocks
- pictures of rocks from magazines or online
- animal parts (bugs, bones, shells, nails, etc.)
- containers to hold soil
- nail to make holes
- soil
- paper plate
- soil from your area (garden, backyard, park, etc.)
- hand lens
- coffee can with lid
- masking tape
- dead plant parts (roots, twigs, leaves, bark, etc.)
- measuring cups
- jar
- plastic spoon
- soil from the beach

#### Module Eight

- large container
- empty plastic bottle
- three pots for soil
- cups for water
- sand/soil
- thermometers

- research materials (website, book, magazine etc.)

#### Module Ten

- two magnetic objects
- two non-metal objects
- cardboard box
- small object attracted to a magnet
- an object that can be pushed and pulled
- three light objects
- three heavier objects
- three objects with a round shape
- object that can be pushed and pulled with small and big force
- object that can be moved with safe open area
- seven wooden craft sticks
- seven rubber bands
- one plastic spoon
- one small ball of playdough (or small eraser)
- safety glasses
- three objects with an irregular shape

#### Module Eleven

- timer
- two balloons
- mystery objects
- blindfold or container for objects
- ziplock bag
- bread
- vinegar

#### Module Twelve

- three seeds
- three pots to plant the seeds in
- soil

#### Module Thirteen

- socks
- shovel
- soil
- several containers for planting
- cardboard
- playdough
- cloths
- pipe cleaners

- styrofoam
- cotton balls
- bird seeds
- paper plate
- four types of dry pasta
- lima beans
- hand lens
- lima beans soaked overnight
- paper towels
- mason jar with lid

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## Science Grade 3

### Student-Supplied Resources:

- Printer
- Disk space on your computer as well as external device to back up your files (flash drive, external hard drive, CD–Rom, etc.)
- Cell phone to take photo of student's work or scanner to scan student's work
- Science Notebook (three-ring binder)
- Pencils
- Erasers
- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module 01

- second story window/high place
- timer
- at least 5 round objects
- weights
- scale
- masking tape
- measuring tape
- plastic cup
- sink

#### Module 02

- modeling clay
- glitter glue
- shiny beads
- sparkles
- black construction paper
- flashlight
- cardboard

#### Module 04

- object to push or pull
- modeling clay/pizza dough

- twenty metal paper clips
- balloon
- mirror
- aluminum foil or paper
- frozen banana or any fruit or vegetable
- magnet

#### Module 05

- carpet
- sandpaper
- two objects to rub together
- cell phone
- cardboard pizza box or shoe box
- aluminum foil
- graham crackers
- marshmallows
- chocolate bars
- flashlight
- light bulb in a lamp
- two pieces of black paper
- cold glass of water
- two cups of sand
- two balls
- two cotton balls
- plastic wrap
- box cutter
- oven mitts
- thermometer

#### Module 06

- dark room
- cereal box
- modeling clay
- tape or elastic bands
- metal spoon
- three long skinny objects (waterproof)
- three flashlights
- red tissue paper
- yellow tissue paper
- cardboard
- at least six test objects
- white paper
- six different colors of construction paper



- ice
- laser pointer
- hallway with a room halfway up the hall
- five or more materials of mixed media (transparent, translucent, and opaque)
- mirror
- black construction paper
- clear pitcher of water
- materials to make a poster (pictures, glue, scissors, etc.)
- forms of research (i.e. internet, magazines, etc.)
- timer
- sunlight (or a lamp)
- six thermometers
- six clear plastic cups

#### Module 07

- two solid objects
- two liquid objects
- thermometer
- six food items
- container
- container to measure liquid with
- two containers about the same size
- one liter measuring container

#### Module 08

- ice cubes
- a container
- water
- stove (or microwave)
- ice cube tray
- freezer
- pot
- small mirror

#### Module 10

- shoebox
- cardboard
- small potted plant
- two sponges
- string
- thumbtack
- tray

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## Science Grade 4

### Student-Supplied Resources:

- Printer
- Disk space on your computer as well as external device to back up your files (flash drive, external hard drive, CD–Rom, etc.)
- Cell phone to take photo of student's work or scanner to scan student's work
- Science Notebook (three-ring binder)
- Pencils
- Erasers
- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module One

- \*copper
- \*iron
- \*nickel
- \*steel
- plastic
- rubber
- wood
- two bar magnets

*\*These metals are often found in common household items. Examples are given in the lesson in addition to accompanying video demonstrations.*

#### Module Two

- calculator
- tennis ball
- various objects

#### Module Three

- tall glass
- water
- spoon
- ice cubes

- aluminum foil
- plastic wrap
- bubble wrap
- cardboard
- stopwatch
- two containers
- salt (or sand/sugar)
- one box (shoebox/cereal box)
- one paper towel roll
- utility knife
- one clothes pin
- one small wooden block
- 12-15 rubber bands
- marshmallows
- one 2 l water bottle
- one stopwatch

#### Module Four

- three objects
- one plate
- one book
- a piece of sandpaper
- one whole pineapple
- pair of jeans
- 10 objects
- magnet
- one egg (uncooked)
- a brownie
- an almond
- a green pepper
- a cookie
- a plastic re-sealable bag
- weights
- one whole banana
- one whole apple
- pan/scale/balance
- freezer
- plastic water bottle
- liquid
- measuring cups
- two different shaped containers

#### Module Five

- bowl
- fork/spoon/spatula
- two 1 liter milk cartons
- gypsum
- water
- balloon
- measuring cup

#### Module Six

- plastic knife
- aluminum foil
- plastic containers
- tongs

#### Module Seven

- a pair of old socks
- shoebox
- soil
- water
- plastic bag

#### Module 9

- various candies
- large marshmallows, fruit, or vegetables
- pipe cleaners
- toothpicks

#### Module Ten

- plastics or foil container
- clay
- straws
- paper clips

#### Module Twelve

- an object that spins, e.g. an office chair
- styrofoam model of the earth
- large object to represent the sun, e.g. basketball

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## Science Grade 5

### Student-Supplied Resources:

- Printer
- Disk space on your computer as well as external device to back up your files (flash drive, external hard drive, CD–Rom, etc.)
- Cell phone to take photo of student's work or scanner to scan student's work
- Interactive Notebook (three-ring binder)
- Pencils
- Erasers
- Scissors
- Crayons and colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Multi-colored paper

### Module Specific Materials:

#### Module 01

- liquid soap
- juice
- milk
- water
- cooking oil
- soil
- salt
- pepper
- baking powder
- cocoa
- thermometer
- water with ice
- sugar
- four objects
- stick of butter
- small pot
- mixing bowl
- scale
- oven mitts

#### Module 02

- baking soda
- vinegar
- container (i.e. soda bottle)
- four plastic containers
- water
- household materials
- spoon
- salt
- flour
- paper clips
- buttons
- pasta noodles
- other small household objects

#### Module 04

- three cups
- measuring spoon (tbsp.)
- ice cube tray
- freezer
- kettle
- fridge
- stopwatch
- thermometer
- three Alka Seltzer<sup>®</sup> tablets

#### Module 05

- tin foil or modeling clay
- large plastic container, sink, or bathtub
- fan with low and high settings
- rubber ball
- meter stick

#### Module 06

- rocket template
- straw
- heavy object
- light object

#### Module 07

- three objects that transform electrical energy
- battery
- wires with alligator clips or metal coat hangers or aluminum foil
- small light bulb or buzzer

- switch (optional)

#### Module 08

- two round objects

#### Module 09

- cardboard box
- clear plastic bottle
- clear plastic cups
- cotton balls
- plastic wrap tape
- paint
- paintbrushes
- string
- large freezer bag
- water
- measuring cups
- duct tape

#### Module 13

- food (cracker or bread)
- freezer bag
- lemon juice or vinegar
- stopwatch or timer

#### **Free Downloads:**

- Java
- Windows Media Player
- Apple iTunes