

Science 3

List of Materials

Topic A

<p><i>Lesson 1</i></p> <p>Solar System Illustration Booklet A <i>Exploring Our Solar System</i> (pp. 3 and 4) Optional: Telescope Photos Optional: Galileo Picture Science Word List A Lesson Review 1 yellow highlighter* scrap paper Optional: pocket folder or three-ring notebook</p>	<p>globe with sticker showing your location electric lamp without a shade extension cord colored pencils yellow highlighter</p>
<p><i>Lesson 2</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (p. 5) Milky Way Galaxy Illustration Photo 2 Optional: Sun and Star Photos Science Word List A Lesson Review 2 yellow highlighter scrap paper or board colored pencils</p>	<p><i>Lesson 6</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (p. 10) Science Word List A Photos 6A and 6B Lesson Review 6 globe softball or white ball of similar size yellow highlighter</p>
<p><i>Lesson 3</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (p. 6) Optional: Globe Photo Science Word List A Lesson Review 3 globe small peel-off sticker electric lamp without a shade extension cord for lamp yellow highlighter</p>	<p><i>Lesson 7</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (p. 11) Optional: Moon Exploration Photos Science Word List A Lesson Review 7 yellow highlighter</p>
<p><i>Lesson 4</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (p. 7) Science Word List A Lesson Review 4 globe paper or Styrofoam® cup electric lamp without a shade extension cord colored pencils yellow highlighter</p>	<p><i>Lesson 8</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (pp. 10–12) Science Word List A Lesson Review 8 yellow highlighter colored pencils</p>
<p><i>Lesson 5</i></p> <p>Booklet A <i>Exploring Our Solar System</i> (pp. 8 and 9) Science Word List A Lesson Review 5</p>	<p><i>Lesson 9</i></p> <p>Lesson Activity 9 Booklet A <i>Exploring Our Solar System</i> (p. 13) Optional: Moon Phase Photos Science Word List A Computer Activity 9 Moon Phase Calculator Lesson Review 9 yellow highlighter colored pencils crayon tape</p>
	<p><i>Lesson 10</i></p> <p>Study Guide 1 Science Word List A Booklet A <i>Exploring Our Solar System</i></p>

* Items in color are to be collected by the teacher

Science 3, List of Materials

- Optional: Booklet A Student Word Card Masters
Optional: card stock for student word cards (4 pieces)
- Lesson 11** Assessment 1
- Lesson 12** Solar System Illustration
Booklet A *Exploring Our Solar System* (pp. 14 and 15)
Science Word List A
Optional: Number of Moons information
Optional: Planet Photos and additional information about Pluto
Lesson Review 12
yellow highlighter
- Lesson 13** Solar System Illustration
Booklet A *Exploring Our Solar System* (p. 16)
Science Word List A
Lesson Review 13
yellow highlighter
- Lesson 14** Science Word List A
Research Project 14
Research Project 14 Recording Form
Research Project 14 Scoring Guide
Lesson Review 14
scrap paper or board
adding-machine tape or copy paper
- Lesson 15** Booklet A *Exploring Our Solar System* (pp. 15 and 17)
Solar System Illustration
Science Word List A
Lesson Review 15
yellow highlighter
scrap paper or board
- Lesson 16** Booklet A *Exploring Our Solar System* (p. 15)
Lesson Review 16
soccer or playground ball
yellow highlighter
scrap paper or board
- Lesson 17** Photos 17 A–C
Booklet A *Exploring Our Solar System* (p. 18)
Science Word List A
Lesson Review 17
yellow highlighter
colored pencils
paper or Styrofoam® cup
- Lesson 18** Booklet A *Exploring Our Solar System* (p. 19)
Optional: Meteor Crater Photos
Optional: Meteorite Photos
Science Word List A
Lesson Review 18
yellow highlighter
copy paper or board
colored pencils
- Lesson 19** Study Guide 2
Science Word List A
Booklet A *Exploring Our Solar System*
Optional: Booklet A Student Word Cards for Lessons 1–18 from Lesson 10
- Lesson 20** Assessment 2
- Topic B**
- Lesson 21** Booklet B *Investigating Elements and Compounds* (pp. 3–5)
Science Word List B
Lesson Review 21
Periodic Table of the Elements Poster
yellow highlighter
scrap paper or board
- Lesson 22** Booklet B *Investigating Elements and Compounds* (pp. 4 and 5)
Computer Activity 22
Interactive Periodic Table
Lesson Review 22
Periodic Table of the Elements Poster
scrap paper or board
computer
- Lesson 23** Booklet B *Investigating Elements and Compounds* (pp. 4 and 5)
Lesson Activity 23/Data Recording Form 23
Lesson Review 23
4 food containers with nutrition facts labels

Science 3, List of Materials

- Lesson 24* Booklet B *Investigating Elements and Compounds* (pp. 4–6)
Science Word List B
Lesson Review 24
yellow highlighter
scrap paper
- Lesson 25* Booklet B *Investigating Elements and Compounds* (pp. 4, 5, and 7)
Lesson Activity 25
Science Word List B
Computer Activity 25
Molecules of Compounds information for Computer Activity 25
Lesson Review 25
copy paper or board
colored pencils
- Lesson 26* Experiment 26
Lesson Review 26
mini marshmallows
copy paper or board
candle with candleholder
metal pie plate
long-handled metal fork
potholder
matches or lighter
- Lesson 27* Study Guide 3
Science Word List B
Booklet B *Investigating Elements and Compounds*
Optional: Booklet B Student Word Card Masters
colored pencils
Optional: card stock for student word cards (1 piece)
- Lesson 28* Assessment 3
colored pencils
- Topic C**
- Lesson 29* Booklet C *Observing Physical Changes* (p. 3)
Science Word List C
Lesson Review 29
washcloth
empty plastic water bottle
paper clip
1 piece of scrap paper
matches
ceramic plate or ashtray
1 slice of bread
yellow highlighter
2 crackers
- Lesson 30* Booklet C *Observing Physical Changes* (p. 4)
Science Word List C
Lesson Review 30
glass sphere
metal sphere
wooden sphere
gram centimeter cubes
Equal Mass Set
Periodic Table of the Elements Poster
balance
scrap paper or board
- Lesson 31* Booklet C *Observing Physical Changes* (p. 4)
Data Recording Form 31
Science Word List C
Lesson Review 31
Equal Mass Set
gram centimeter cubes
3 50-milliliter graduated cylinders
scrap paper or board
1-liter empty water/soda/pop/bottle
yellow highlighter
balance
Optional: food coloring
- Lesson 32* Booklet C *Observing Physical Changes* (p. 5)
Science Word List C
Lesson Review 32
balloon
yellow highlighter
metal paper clip
1 clear-plastic water bottle half filled with water
1 clear, empty drinking glass
- Lesson 33* Booklet C *Observing Physical Changes* (p. 6)
Lesson Review 33
yellow highlighter
Optional: object that vibrates (such as a musical instrument or a ball)
scrap paper or board
- Lesson 34* Booklet C *Observing Physical Changes* (p. 7)
Science Word List C
Lesson Review 34
immersible thermometer
Optional: digital thermometer
scrap paper or board
cup

Science 3, List of Materials

- Lesson 35** Data Recording Form 35
Lesson Review 35
2 immersible thermometers
scrap paper or board
3 identical cups
2 self-stick tags
container of hot water
container of 6–10 ice cubes
container of water
Optional: digital timer
- Lesson 36** Data Recording Form 35 (from Lesson 35)
Booklet C *Observing Physical Changes* (p. 8)
Lesson Review 36
colored pencils
2 cups of water with thermometers from Lesson 35
scrap paper or board
- Lesson 37** Data Recording Form 37
Booklet C *Observing Physical Changes* (p. 9)
Science Word List C
Lesson Review 37
2 clear-plastic small water bottles
empty ice cube tray
small cup or bar of ice cream
3 plates
dinner knife
hair dryer
Optional: extension cord
yellow highlighter
scrap paper or board
- Lesson 38** Booklet C *Observing Physical Changes* (p. 10)
Experiment 38
Science Word List C
Lesson Review 38
3 50-milliliter graduated cylinders
yellow highlighter
sponge
chalkboard (1 large or 2 small) or table
container of water
file folder
hair dryer
Optional: extension cord
clear drinking glass
glass pie plate or shallow baking dish
- Lesson 39** Booklet C *Observing Physical Changes* (p. 11)
Science Word List C
- Lesson Review 39
glass jar with lid
ice cubes
Optional: food coloring or powdered drink mix
paper towel
yellow highlighter
- Lesson 40** Study Guide 4
Science Word List C
Booklet C *Observing Physical Changes*
Optional: Booklet C Student Word Card Masters
Optional: card stock for student word cards (3 pieces)
- Lesson 41** Assessment 4
- Topic D**
- Lesson 42** Booklet D *Investigating Changes in Our Atmosphere* (pp. 3–5)
Lesson Reference 42
Science Word List D
Lesson Review 42
scrap paper or board
yellow highlighter
- Lesson 43** Master 43: Layers of the Earth’s Atmosphere chart
Booklet D *Investigating Changes in Our Atmosphere* (pp. 6 and 7)
Optional: Atmosphere Photos
Science Word List D
Lesson Review 43
copy paper
marker
yellow highlighter
red colored pencil
Optional: globe or wall map showing Asia
scrap paper or board
- Lesson 44** Booklet D *Investigating Changes in Our Atmosphere* (pp. 8 and 9)
Optional: Water Cycle Photos
Science Word List D
Lesson Review 44
copy paper
brown, blue, black, and red markers
colored pencils
- Lesson 45** Photos 45 A–F
Booklet D *Investigating Changes in Our Atmosphere* (pp. 10 and 11)
Optional: Cloud Photos
Science Word List D

Science 3, List of Materials

- Lesson Review 45
copy paper
- Lesson 46** Booklet D *Investigating Changes in Our Atmosphere* (pp. 12 and 13)
Photo 46
Optional: Weather Instrument Photos
Science Word List D
Lesson Review 46
tissue
yellow highlighter
- Lesson 47** Booklet D *Investigating Changes in Our Atmosphere* (pp. 14 and 15)
Optional: Barometer Photo
Science Word List D
Lesson Review 47
thermometer
yellow highlighter
tissue strip from Lesson 46 or weather vane
computer, newspaper, or phone
- Lesson 48** Booklet D *Investigating Changes in Our Atmosphere* (pp. 16 and 17)
Optional: Tornado Photos
Science Word List D
Optional: Lesson Activity 48
Lesson Review 48
yellow highlighter
map of the United States
Optional: funnel
- Lesson 49** Booklet D *Investigating Changes in Our Atmosphere* (pp. 18 and 19)
Optional: Hurricane Photos
Science Word List D
Lesson Review 49
yellow highlighter
map of the world
scrap paper or board
- Lesson 50** Lesson Activity 50
Optional: Pollution Photos
Science Word List D
copy paper or board
white construction paper or copy paper
crayons or markers
Optional: Obtain information and/or brochures about hazardous waste disposal sites in your area.
- Lesson 51** Study Guide 5
Science Word List D
Booklet D *Investigating Changes in Our Atmosphere*
Optional: Booklet D Student Word Card Masters
Optional: card stock for student word cards (3 pieces)
- Lesson 52** Assessment 5
- Topic E**
- Lesson 53** Booklet E *Exploring the Earth's Structure* (pp. 3–5)
Science Word List E
Lesson Review 53
globe
ruler with centimeter scale
yellow highlighter
colored pencils
- Lesson 54** Booklet E *Exploring the Earth's Structure* (pp. 6 and 7)
Science Word List E
Lesson Review 54
globe or world map
hard-boiled, brown-shelled egg
knife
black, fine-point marker
yellow highlighter
- Lesson 55** Science Word List E
Booklet E *Exploring the Earth's Structure* (pp. 8–11)
Lesson Review 55
yellow highlighter
scrap paper or board
- Lesson 56** Booklet E *Exploring the Earth's Structure* (pp. 10 and 11)
Lesson Review 56
colored pencils
- Lesson 57** Booklet E *Exploring the Earth's Structure* (pp. 12 and 13)
Science Word List E
Lesson Review 57
yellow highlighter
- Lesson 58** Booklet E *Exploring the Earth's Structure* (pp. 9–11 and 14)
Science Word List E
Optional: Volcano Photos
Lesson Review 58
yellow highlighter
red colored pencil

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- Lesson 59** Booklet E *Exploring the Earth's Structure* (p. 15)
Optional: Igneous, Sedimentary, and Metamorphic Rock Photos
Science Word List E
Lesson Review 59
yellow highlighter
4 slices of light-colored bread (white bread)
4 slices of dark-colored bread (rye or wheat)
marble or other small object
plastic wrap
5 or 6 large books
- Lesson 60** Lesson Activity 60
Lesson Review 60
Introductory Rock Collection set
pumice
hand lens
clear-plastic cup of water
- Lesson 61** Booklet E *Exploring the Earth's Structure* (p. 16)
Optional: Weathered Headstones Photos
Optional: Weathering Photos
Optional: Erosion Photos
Science Word List E
Lesson Review 61
yellow highlighter
- Lesson 62** Booklet E *Exploring the Earth's Structure* (p. 17)
Science Word List E
Lesson Review 62
clay
silt
sand
50-milliliter graduated cylinder
yellow highlighter
3 small, coated paper or plastic plates
newspaper
teaspoon
paper towel
water
- Lesson 63** Lesson Review 63
2 50-milliliter graduated cylinders
silt
sand
small paper or plastic plate
teaspoon
3 empty, clear-plastic water bottles with caps
- pitcher with water
2 clear-plastic cups
plates of clay, silt, and sand from Lesson 62
- Lesson 64** Booklet E *Exploring the Earth's Structure* (pp. 18 and 19)
Science Word List E
Lesson Review 64
humus
hand lens
small paper or plastic plate
teaspoon
yellow highlighter
colored pencils
- Lesson 65** Study Guide 6
Science Word List E
Booklet E *Exploring the Earth's Structure*
Optional: Booklet E Student Word Card Masters
Optional: card stock for student word cards (3 pieces)
- Lesson 66** Assessment 6
- Topic F**
- Lesson 67** Booklet F *Examining the Structure and Function of Parts of Seed Plants* (p. 3)
Experiment 67
Science Word List F
Lesson Review 67
4 bean seeds
grass seeds
hand lens
humus
sand
silt
yellow highlighter
2 identical, clear-plastic cups
2 zip-top bags
stapler
2 paper towels
- Lesson 68** Master 68: Vascular Plants with Seeds chart
Booklet F *Examining the Structures and Function of Parts of Seed Plants* (p. 4)
Optional: Vascular Plant Photos
Science Word List F
Lesson Review 68
copy paper

Science 3, List of Materials

- child's plastic bags of bean and grass seeds
yellow highlighter
black, green, and red markers
tall, clear drinking glass
water
food coloring
stalk of celery with leaves
sharp knife
Optional: cone from a conifer tree
Optional: plant food
- Lesson 69** Booklet F *Examining the Structures and Function of Parts or Seed Plants* (p. 5)
Science Word List F
Lesson Review 69
3 bean seeds
hand lens
child's plastic bags of bean and grass seeds
container of water
yellow highlighter
paper towel
- Lesson 70** Booklet F *Examining the Structures and Function of Parts or Seed Plants* (pp. 6–7)
Science Word List F
Lesson Review 70
child's plastic bags of bean and grass seeds
yellow highlighter
- Lesson 71** Child's Experiment 67
Optional: Master 71
Lesson Review 71
hand lens
child's plastic bags of bean and grass seeds
2 cups of soil planted with grass seeds from Lesson 67
Optional: potting soil
Optional: seeds
Optional: 2 identical, clear-plastic cups
- Lesson 72** Study Guide 7
Booklet F *Exploring the Earth's Structure and Function of Parts of Seed Plants*
Optional: Booklet F Student Word Card Masters
Optional: card stock for student word cards (2 pieces)
- Lesson 73** Assessment 7
- Topic G**
- Lesson 74** Science Word List G
Photos 74 A–D
Booklet G *Investigating Amphibians and Reptiles* (pp. 3 and 6)
Research Project Recording Form 74
Research Project Scoring Guide 74
Lesson Review 74
yellow highlighter
Optional: reference books
- Lesson 75** Lesson 75 Slide Show
Booklet G *Investigating Amphibians and Reptiles* (p. 3)
Science Word List G
Lesson Review 75
yellow highlighter
- Lesson 76** Booklet G *Investigating Amphibians and Reptiles* (pp. 4 and 5)
Science Word List G
Lesson Review 76
Frog metamorphosis set
large zip-top bag
yellow highlighter
colored pencils
- Lesson 77** Lesson 77 Slide Show
Booklet G *Investigating Amphibians and Reptiles* (p. 6)
Lesson Review 77
yellow highlighter
- Lesson 78** Booklet G *Investigating Amphibians and Reptiles* (p. 7)
Lesson Review 78
yellow highlighter
- Lesson 79** Study Guide 8
Science Word List G
Booklet G *Investigating Amphibians and Reptiles*
Optional: Booklet G Student Word Card Masters
Optional: card stock for student word cards (2 pieces)
- Lesson 80** Assessment 8