

Materials

Classroom Supplies

To help you make advance preparations, this table lists the classroom items used for this unit. See the lessons for information about how each item is used. For quantities listed as “per group,” figure on small groups of about four to six children.

Quantity	Item	Lesson(s)
Varies	Water	1, 13, 14, 15, 16, 20
1 per 2 groups	Bottles, plastic with caps, 2-liter	1, 4
3 per group	Bowls, paper or plastic, colored	1
An assortment	Collection of living or once-living things (e.g., class pet, bones, leaves, shells, living or dead insects, snake skins, etc.)	1, SBA 2
5 per group	Labels or masking tape strips	1
1	Measuring spoon set	1
.60 mL (1/8 tsp) per group	“Mystery Substance” (ground cinnamon, sand, or another non-living granular substance)	1
1	Dissecting microscope or tripod magnifier (optional)	2, 7, 15, 16, 21
2 or more	Light sources, such as flashlights	2, SBA 1
1 or more	Camera and film	3, 9, 17
Several stacks	Disposable wipes or damp paper towels	3, 17
Several	Field guides to birds, mammals, trees, flowers, etc. (optional)	3, 11, 17, 18
1 per adult	Notepad	3, 17
1 per child	Paper bags	3
1 per group	Permanent Markers	3, 17
1 per group	Plastic bags, grocery size	3, 17
1 per group	Plastic containers with lids (e.g., yogurt cups)	3
Several	Trowels (optional)	3, 17
1 per child	Old socks, adult-sized	3
1 per group	Containers, such as shoeboxes or aluminum trays	4
Many sheets	Newspaper	4, 12, 15
Several sheets	Black construction paper	4
Several	Light sources, such as swing arm lamps	4
1-2 rolls	Paper towels	4, 14, 15, 21
1 roll	Rope or twine	5

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
Class set	Scissors	4, 10, 15, 19
Several rolls or bottles	Tape , glue, or glue sticks	4, 5, 10, 11, 19
1 per snail	Lettuce leaves	6
1	Marker, water-soluble	6
1	Overhead projector (optional)	6, 7, 8, 12, 15, 16, 18
1 per pair	Rulers or tape measures, metric	6, 7, 8, 11, 12, 14, 22, SBA 3
1 large package	Paper plates	6, 12, 13, 14, 16, 18
1 per pair	Snails (or slugs)	6
1 per pair	Crickets or other insects	7
1	Pin	7
1	Small piece of cardboard or foam	7
1	Terrarium or clear container	7
1 per pair or group	Fish	8
1	Fish tank or aquarium	8
1 per group or child	Clipboards	9, 17
As many as you can collect	Calendars, magazines, greeting cards, and other sources of pictures of animals and plants	10
Several	Index cards or self-sticking notes	10
At least 6 sheets	Chart paper, poster board, or butcher paper	10, 11, 12
1 sheet per group	Construction paper, 12 in x 18 in	10
4 per child	Leaves, fresh	11
1 of each per group	Edible fruits: apples, green beans, corncobs, strawberries	12
1 per group	Envelopes	12
Several	Fruits collected from neighborhood plants: acorns, winged maple seeds, weed pods, rose hips, etc.	12
1	Hammer or nutcracker	12

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
1	Knife, sharp	12
1	Marker, water-based (to write on overhead transparencies) (optional)	12, 15, 16, 18
1 per group	Trays or other containers for holding supplies (optional)	12, 13, 14, 18
1	Basin or sink of water	13
1	Coconut	13
1 of each or more	Fleshy fruits, such as apples and oranges	13
Several	Nuts in shells	13
Several	Seeds, wild types with various dispersal methods, such as mature dandelions, milkweed pods, winged maple seeds, or acorns	13
1 per pair	Plastic bags, small (optional)	14
1 or more	Spray bottle	14, 20
Small amount per child	Sprouts, bean or alfalfa	14
As many as possible	Balances, equal arm	15, SBA 4
2 per pair	Seedlings	15
About 2 stalks per group	Celery stalks	16
1 per group plus 2 more	Containers, clear plastic, tall	16
1 bottle	Food coloring	16
1 per group	Twigs	16
1 package	Bags, resealable, plastic	17, 20
1	Binoculars (optional)	17
1 pair per group	Clipper or scissors (optional)	17, 18
1	Book: <i>The Reason for a Flower</i> , by Ruth Heller (optional)	18
Several	Tweezers (optional)	18
1	Flowering plant	18
At least 1 per group	Flowers, assorted	18
At least 1 per group	Jars or vases for flowers	18
1 per child	Bread or cheese slices	20
Several	Pictures of mushrooms, molds, and other fungi, magnified and not (optional)	20, 21
1	Garbage bag	21

2 32-oz. and
8 16-oz.
containers
included

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
1 bottle	Cleaning solution, such as Lysol®	21
Small samples of a variety of fungi	Fungi examples, such as grocery store mushrooms, blue cheese, brewer's yeast, and baker's yeast	21
1 per child	Index cards	22
9 per child	Game markers	22
1	Filmstrip, slide, or overhead projector and filmstrip, slides, or overhead transparencies	SBA 1
1 sheet per group	Graph paper	SBA 1
1 or more	Jeweler's loupe (optional)	SBA 1
1 per pair	Lincoln pennies, new and clean	SBA 1
Several	Books with scientific drawings	SBA 2
5-10 per child	Centimeter cubes	SBA 3
More than 1 per child	Collection of small items to measure	SBA 3
1 large package	Paper clips, large (1 cm x 5 cm)	SBA 3, SBA 4
1	Ruler with inches on one edge and centimeters on the other	SBA 3
1 per group	Balloon	SBA 4
2	Erasers, new and identical	SBA 4
1 per group	Marbles	SBA 4
1 or more	Spring scale (optional)	SBA 4
2 per group	Vegetables, small	SBA 4
Class set	Drawing materials (Colored pencils and/or crayons)	Multiple lessons
Class set	Pencils	Multiple lessons
Several sheets per child	Paper	Multiple lessons

ExploraGear

For the most current list of all ExploraGear materials, please visit our web site:

www.sciencecompanion.com/explorgear