

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)
4 sheets	Chart paper	1, 2, 8, SBA 2
2 lumps	Clay, natural	1
2 or more chunks	Concrete	1
Several	Pennies	1, 6
Several	Pictures, geologists at work (optional)	1
2 or more	Pictures, Mt St Helen’s volcano or other volcanoes or “rocky” mountains	1
2 or more	Pictures, real gemstones	1
2 or more small samples	Table salt or rock salt	1
2 or more small samples	Soil	1
Several	Containers to hold rocks (baskets, bowls, or boxes)	1
As many as possible	Rocks and minerals field guides	2, 6, 11, SBA 3
1 package	Index cards	2, 4
At least 4 per child	Rocks from environment	2
Several rolls	Tape	2, 3
Several	Rulers, metric (optional)	2
1 or more	Pan balances (optional)	2
About 20 (5 per group)	Paper plates, small, sturdy	4
1	Old towel or sock	4
Several	Envelopes or small plastic bags	5
Various	Picture of minerals (optional)	7
At least 1	Bones, chicken or beef	8
At least 1	Bones, fish (or partial fish skeleton)	8
1	Casserole dish (optional)	9
2	Cookie sheets or trays	9, SBA 2
1	Oven or microwave	9, 10
1	Paintbrush	9
Several	Small objects to make model fossils (optional)	9
500 mL (2 C)	Vegetable oil	9
Small samples	Wet sand, modeling clay, or modeling dough (optional)	9

Soil, red clay, and sandy soil included

Plastic plates included

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
2	Airtight containers (optional)	9
2	Bowls, large mixing	9
1	Cooking pot	9, 10
1.5 L (6 C)	Flour	9
2 colors	Food coloring	9
1	Stove, hot plate, or microwave	9, 10
1000 mL (4 C)	Salt, table	9
1.5 L (6 C)	Sand	9, 10
1.5 L (6 C)	Water	9, 10
2	Containers for sand	10
Several (1 set per group)	Digging tools (toothpicks, paintbrushes, chopsticks, etc.)	10
Several sheets	Newspaper	10
1 pair	Scissors	10
500 mL (2 C)	Epsom salt	10
Class set	Safety goggles	10
1	Book: <i>Everybody Needs a Rock</i> , by Byrd Baylor (optional)	11
1	Stapler	11
1	Filmstrip, slide, or overhead projector and a filmstrip, slide, or overhead transparency	SBA 1
2	Flashlights or other light sources (optional)	SBA 1
Several sheets	Graph paper	SBA 1
1	Jeweler's loupe (optional)	SBA 1
1 per pair	Lincoln pennies, new and clean	SBA 1
1 per group	Apples, same kind, similar in appearance	SBA 2
Class set	Colored pencils and/or crayons	2, 9, SBA 2
Class set	Pencils	Multiple lessons