

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)
1	Bulletin board	Multiple lessons
Several sheets	Chart paper	1
1	Marker	1
As many as possible	Pictures of different types of weather (from newspapers, magazines, or your own collection of photographs)	Multiple lessons
2 rolls	Tape, clear	Multiple lessons
1 sheet	Construction paper, laminated (optional)	Multiple lessons
1	VCR (optional)	2
1	Videotape of local weather forecast (optional)	2
1 set per group or child	Crayons or markers	3
1	Overhead transparency marker, red	3, SBA 2
1	Overhead projector	3, 4, 6, 11, 25, SBA 2
1 set	Permanent markers	3, 4, 9
1	Class thermometer	4
1 per color	Colored paper pieces (red, orange, yellow, green, blue, purple, white)	4
4 per group	Cups that won't tip	4
1 bag or 4 trays	Ice	4
1	Ice chest (optional)	4, 5, 10, 17
1 per child	Paper towels	4, 22
Amounts vary	water	Multiple lessons
1	Ice pack	5, 17
2 sheets per group	Construction paper, black	5, 23
2-3 dozen	Ice cubes	5, 13
12	Resealable plastic bags, large (gallon size)	5, 22
1 per child	Pencils	Multiple lessons
Class set	Colored pencils or pens	6, 11, 16, 19-21, 26-29
Enough for each sky observation	Unifix® cubes, or other counters (optional)	6, 16
1 long piece	Cardboard	7
1	Grease pencil	7

HIGHLIGHTED ITEMS ARE INCLUDED IN THIS PACKAGE

Quantity	Item	Lesson(s)
1	Ruler	7
1 pair	Scissors	7, 18
Use discretion	Umbrellas (optional)	7
1	Water pitcher	7
5 per child	Cotton balls	8
2 per child	Cotton pads, square or round "facial" type	8
1 bottle per group	Glue	8
1 per pair	Cups, clear plastic, 250 mL	9, 10, 15
1	Freezer (in room, teacher's lounge or school kitchen)	9
1	Globe or picture of Earth from the moon	9, SBA 1
1 roll	Masking tape	9
At least 1 per pair	Small items to place in cups to freeze	9
Several	Trays	9
1	Chalkboard or whiteboard	10, 12
1 per pair	Paper plates	10
1 kg (2.2 lb)	Salt	10, 17
1 container to share	Sand	10
1 per child	Scraping tools (stiff brushes, paper clips, plastic knives, craft sticks, pencils, etc.)	10, 17
1 quarter sheet per child	Construction paper	12
1	Crock-pot, electric kettle, or electric griddle	12
1 per group	Cups, insulated	12, 13
1	Humidifier (optional)	12, 13
1 roll or stack	Paper towels	12
1	Sponge or paper towel	12
1	Thermos (optional)	12
1 per child	Writing slates (optional)	12
1	Electric appliance (to heat water)	13
1 per pair	Resealable plastic bags, sandwich size	13
1	Tray, metal (if available) or plastic	13
1	Picture of dew-covered spider web (optional)	14
1 per child	Socks, old (optional)	14
8-10 per dew catcher	Aluminum foil, 2.5 cm (1 in) wide strips	15
1 per group	Hammers or hefty stones	15
3 or more per dew catcher	Sticks, 30-40 cm (12-16 in) long	15
1 skein or ball	Yarn or string	15

Small items are paper clips.

Scraping tools include plastic knives, toothbrushes, and craft sticks.

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Quantity	Item	Lesson(s)
1	Large view magnifier or dissecting scope (optional)	17
1	Number line	17
2 per group	Tin cans, 375 mL (12 oz), empty and taped on sharp rims	17
2	Containers, clear, 500 mL (16 oz)	18
Class set	Pattern blocks	18
1 per child	Pattern block template	18
1 per child	Tissue paper, cut into hexagon shapes	18
1	Bottle, plastic or glass	22
1 per child	Bottles, extra (optional)	22
6 pieces	Brick, concrete, or broken clay flower pot	22
6	Sponges, whole or pieces	22
1 per child	Straws	22
3	Water tubs, plastic, large enough to hold about 7.5 liters (2 gallons)	22
6	Wool clothing scraps	22
1	Clipboard with paper	23
1	Electric fan, oscillating, or hair dryer (optional)	23, 25
1 handful in plastic bag	Lightweight substance such as fine breadcrumbs, feathers, or crumbled leaves	23
1 per child	Ribbons, approx. 60 cm (24 in) long	23
1 piece per child	Sidewalk chalk	23
1	Weathervane (optional, but recommended)	23
1	Fan (optional)	24
1 per child	Rulers	24
1 for teacher	Clipboard and pencil	25
1 each	Cards labeled north, south, east, and west	SBA 1
1	Map with cardinal directions	SBA 1
1	Filmstrip, slide, or overhead projector and filmstrip, slides, or overhead transparencies (any subject)	SBA 3
2 or more	Flashlights or other light sources (optional)	SBA 3
1 or more	Jeweler's loupe (optional)	SBA 3
1 per pair	Lincoln pennies, new and clean	SBA 3
1 sheet per group of 4	Paper, graph	SBA 3