

# Level 5 Module 1 Materials

## Earth Features with Spotlight Lessons on Matter

The lists below summarize the materials necessary to implement the Level 5 Module 1 curriculum. Some required items for the Earth Features Module are in the Spotlight Lessons on Matter kit. The lists compile items from the Materials Tables for each lesson set but separate items available for purchase in PhD Science® kits from those items the schools provide. The suggested quantities are for a class of 24 students and up to 6 groups of students.

Schools that purchase kits receive materials in the Kit Items list. Schools may also purchase refill kit items, identified by ☉, for subsequent years of implementation. Schools that do not purchase kits must provide those materials in addition to the materials in the School Supplied list. School supplied items are commonly available in classrooms or in stores. In addition to the listed materials, teachers may need access to such items as sunlight, electricity, uncarpeted areas, and sturdy level surfaces (tables or desks).

To learn more about the resources for this module as well as other components of *PhD Science*®, visit [greatminds.org/texas](http://greatminds.org/texas).

### Earth Features

Kit Items		School Supplied Items	
<input type="checkbox"/> Ball bearing catches	6	<input type="checkbox"/> Bags, resealable plastic, snack	24
<input type="checkbox"/> Bins, clear plastic, 20" × 12" × 6"	6	<input type="checkbox"/> Balloons	8
<input type="checkbox"/> Clay, modeling, 6 colors	40 g each color ☉	<input type="checkbox"/> Bowl, large	1
<input type="checkbox"/> Cutting boards, plastic, 6" × 4"	6	<input type="checkbox"/> Chart paper	24 sheets
<input type="checkbox"/> Hook and loop fastener	48" ☉	<input type="checkbox"/> Craft sticks or toothpicks (optional)	30
<input type="checkbox"/> Lima bean seeds	18 ☉	<input type="checkbox"/> Cups, clear plastic, 9 oz	50
<input type="checkbox"/> Magnifier, handheld, plastic	1	<input type="checkbox"/> Drill with $\frac{1}{4}$ " drill bit (if not using kit)	1
<input type="checkbox"/> Pans, aluminum, 13" × 9" × 2"	6 ☉	<input type="checkbox"/> Flour, all purpose	4 cups
<input type="checkbox"/> Pipettes, disposable	2 ☉	<input type="checkbox"/> Grass, 1 qt bags	6
<input type="checkbox"/> Plaster of Paris	4 lb ☉	<input type="checkbox"/> Hole punch, single hole	1
<input type="checkbox"/> Rubber stoppers, size #00	6	<input type="checkbox"/> Ice cubes	6
<input type="checkbox"/> Shaving cream	7 oz ☉	<input type="checkbox"/> Index cards, 3" × 5"	48
<input type="checkbox"/> Sheet protectors, heavy duty	12	<input type="checkbox"/> Knife, plastic	1

Items Required from Other Level 5 Kits			
<b>Spotlight Lessons on Matter</b>		<input type="checkbox"/>	Markers, erasable, 6 colors 12 each color
<input type="checkbox"/>	Gravel 3 cups ♻️	<input type="checkbox"/>	Mixing spoon (optional) 1
<b>Safety</b>		<input type="checkbox"/>	Natural materials (e.g., leaves, grass, pebbles, sticks), 1 gal bag (optional) 1
<input type="checkbox"/>	Gloves, disposable 24 pairs	<input type="checkbox"/>	Newspaper (optional) 5 sheets
<input type="checkbox"/>	Safety goggles 24	<input type="checkbox"/>	Objects, small (e.g., cones, ferns, shells, sticks) 24
		<input type="checkbox"/>	Paper, half sheets 24
		<input type="checkbox"/>	Paper towels 1 roll
		<input type="checkbox"/>	Pebbles 12 cups
		<input type="checkbox"/>	Plastic wrap or airtight containers 1 roll 6
		<input type="checkbox"/>	Plates, paper 21
		<input type="checkbox"/>	Rocks
		○	Small 1
		○	Large 12 cups
		<input type="checkbox"/>	Sand 12-18 cups
		<input type="checkbox"/>	Scissors 1
		<input type="checkbox"/>	Soil 48-54 cups
		<input type="checkbox"/>	Sticky notes 5 pads
		<input type="checkbox"/>	Straws, paper or plastic 48
		<input type="checkbox"/>	Sugar cubes 18
		<input type="checkbox"/>	Table salt 1 cup
		<input type="checkbox"/>	Water Access
		<input type="checkbox"/>	Whiteboards (optional)
		○	Personal 6
		○	Teacher's 1
<b>Supplies Students May Bring from Home</b>			
		<input type="checkbox"/>	Building blocks
		<input type="checkbox"/>	Cardboard boxes
		<input type="checkbox"/>	Clay
		<input type="checkbox"/>	Craft sticks
		<input type="checkbox"/>	Cups
		<input type="checkbox"/>	Masking tape
		<input type="checkbox"/>	Paper or plastic plates
		<input type="checkbox"/>	Paper towel rolls
		<input type="checkbox"/>	String
		<input type="checkbox"/>	Straws
		<input type="checkbox"/>	Wooden skewers

# Spotlight Lessons on Matter

Kit Items	School Supplied Items
<input type="checkbox"/> Balls, rubber, 1" 6	<input type="checkbox"/> Baking soda 5 tsp
<input type="checkbox"/> Bottle caps, plastic, white 6	<input type="checkbox"/> Birthday candles, yellow 6
<input type="checkbox"/> Bins, clear plastic, 6 qt 6	<input type="checkbox"/> Chart paper 4 sheets
<input type="checkbox"/> Clay, modeling, nonhardening, blue $\frac{1}{2}$ lb ☉	<input type="checkbox"/> Crayons, blue 6
<input type="checkbox"/> Erasers, wedge, medium 12	<input type="checkbox"/> Cups
<input type="checkbox"/> Graduated cylinder, 100 mL 1	○ Clear plastic, 4 oz 6
<input type="checkbox"/> Gravel $\frac{3}{4}$ cup ☉	○ Clear plastic, 9 oz 132
<input type="checkbox"/> Keys, aluminum or brass 6	○ Clear plastic, 12 oz 10
<input type="checkbox"/> Jars with lid, clear plastic, 4 oz 2	<input type="checkbox"/> Dish soap, liquid, blue 2 fl oz
<input type="checkbox"/> Lemon juice concentrate 15 tbsp ☉	<input type="checkbox"/> Marker, permanent 1
<input type="checkbox"/> Magnets, bar, with N/S labeled 6	<input type="checkbox"/> Paper towels 1 roll
<input type="checkbox"/> Magnifiers, handheld, plastic 6	<input type="checkbox"/> Rubber bands 30
<input type="checkbox"/> Paper clips, steel, medium 12 ☉	<input type="checkbox"/> Rulers, metric 6
<input type="checkbox"/> Pony beads, blue 2 fl oz	<input type="checkbox"/> Sugar
<input type="checkbox"/> Sand, coarse $1\frac{1}{2}$ cups ☉	○ Brown 5 tsp
<input type="checkbox"/> Scales, digital, ± 0.1 g 6	○ White $\frac{1}{2}$ cup
<input type="checkbox"/> Washers, steel 7	<input type="checkbox"/> Table salt 1 cup
<b>Items Required from Other Level 5 Kits</b>	
<b>Safety</b>	
<input type="checkbox"/> Safety goggles 24	<input type="checkbox"/> Teaspoons, plastic 59
	<input type="checkbox"/> Vegetable oil 1 cup
	<input type="checkbox"/> Waste containers 5
	<input type="checkbox"/> Water Access
	<input type="checkbox"/> Whiteboard, teacher's (optional) 1