

# Level 5 Module 2 Materials

## Ecosystems with Spotlight

### Lessons on Weather and Climate

The lists below summarize the materials necessary to implement the Level 5 Module 2 curriculum. 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).

## Ecosystems

Kit Items	School Supplied Items
<input type="checkbox"/> Balls	<input type="checkbox"/> Bags, resealable plastic, 1 qt 5
○ Table tennis 1	<input type="checkbox"/> Bottles, clear plastic, 16.9 oz 20
○ Tennis 1	<input type="checkbox"/> Bowls, 1 qt or larger 8
<input type="checkbox"/> Bingo chips	<input type="checkbox"/> Chart paper 27 sheets
○ Blue 90	<input type="checkbox"/> Computers or tablets with internet access 4
○ Red 30	<input type="checkbox"/> Containers, small, for sand and soil 12
○ Yellow 90	<input type="checkbox"/> Corks, cylindrical 12
<input type="checkbox"/> Clay, modeling, nonhardening 1 lb ♻️	<input type="checkbox"/> Cups, clear plastic
<input type="checkbox"/> Custom soil test kit 1 ♻️	○ 3 oz 2
<input type="checkbox"/> Graduated cylinders, plastic, 50 mL 6	○ 9 oz 3
<input type="checkbox"/> Jars with lids, clear plastic, 16 oz 2	<input type="checkbox"/> Glue sticks 12
<input type="checkbox"/> Ladles 4	<input type="checkbox"/> Green onions (with bulbs) 16
<input type="checkbox"/> Magnifiers, handheld, plastic 6	<input type="checkbox"/> Markers, permanent 6
<input type="checkbox"/> Marbles 12	
<input type="checkbox"/> Pie tins 4	

<input type="checkbox"/> Pipettes, disposable	4 ☉	<input type="checkbox"/> Meter sticks	2
<input type="checkbox"/> Radish seed packet	1 ☉	<input type="checkbox"/> Name tags, adhesive	24
<input type="checkbox"/> Sand	4 cups ☉	<input type="checkbox"/> Paper towels	2 rolls
<input type="checkbox"/> Skewers, wooden, 12"	4	<input type="checkbox"/> Pencils, colored	6 sets
<input type="checkbox"/> Syringe, 60 mL	1	<input type="checkbox"/> Potting soil	1 kg
<input type="checkbox"/> Tongs, kitchen	4	<input type="checkbox"/> Raspberries, 6 oz containers	4
<input type="checkbox"/> Tweezers	4	<input type="checkbox"/> Red cabbage leaves	At least 3
<b>Items Required from Other Level 5 Kits</b>		<input type="checkbox"/> Rice, uncooked	4 cups
<b>Safety</b>		<input type="checkbox"/> Rulers, metric	6
<input type="checkbox"/> Gloves, disposable	31 pairs	<input type="checkbox"/> Scissors	24
<b>Spotlight Lessons on Matter</b>		<input type="checkbox"/> Scissors, blunt tip	4
<input type="checkbox"/> Scales, digital, ± 0.1 g	6	<input type="checkbox"/> Sieve	1
		<input type="checkbox"/> Sparkling water, clear unopened bottle	1
		<input type="checkbox"/> Spoons, plastic	13
		<input type="checkbox"/> Sticky notes	180
		<input type="checkbox"/> Straw, plastic	1
		<input type="checkbox"/> Tape, masking	1 roll
		<input type="checkbox"/> Water	Access
		<input type="checkbox"/> Whiteboard, teacher's (optional)	1
		<input type="checkbox"/> Yarn balls	3

# Spotlight Lessons on Weather and Climate

Kit Items		School Supplied Items	
<input type="checkbox"/> Bottle, plastic, 2 L	1 ☉	<input type="checkbox"/> Bag, plastic resealable plastic, 1 qt	1
<input type="checkbox"/> Heat lamp with 125 W bulb	1	<input type="checkbox"/> Chart paper	4 sheets
<input type="checkbox"/> Measuring cup, 1 L	1	<input type="checkbox"/> Glue sticks	24
<input type="checkbox"/> Pole, telescoping	1	<input type="checkbox"/> Ice cubes	6
<input type="checkbox"/> Ruler, plastic	1	<input type="checkbox"/> Marker, permanent	1
<input type="checkbox"/> Thermometers, Fahrenheit	12	<input type="checkbox"/> Tape, masking	1 roll
<input type="checkbox"/> Windsock	1	<input type="checkbox"/> Paper clips	3–4
<b>Items Required from Other Level 5 Kits</b>		<input type="checkbox"/> Plastic wrap	1 roll
<b>Earth Features</b>		<input type="checkbox"/> Rubber bands	2
<input type="checkbox"/> Gravel	1 cup	<input type="checkbox"/> Scissors	1
<b>Safety</b>		<input type="checkbox"/> Table salt	35 g
<input type="checkbox"/> Safety goggles	24	<input type="checkbox"/> Water	Access
<b>Spotlight Lessons on Matter</b>		<input type="checkbox"/> Whiteboard, teacher's (optional)	1
<input type="checkbox"/> Bin, clear plastic, 6 qt	1		
<input type="checkbox"/> Scale, digital, ± 0.1 g	1		