

# Level 1 Module 2 Materials

## Light with Spotlight Lessons on Weather

The lists below summarize the materials necessary to implement the Level 1 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).

### Light

Kit Items		School Supplied Items	
<input type="checkbox"/> Acetate sheets, transparent, 8.5" × 11"	3 ☉	<input type="checkbox"/> Aluminum foil	1 roll
<input type="checkbox"/> Boxes, cardboard		<input type="checkbox"/> Bags, clear plastic, 1 gal	3
○ 8" × 5" × 3"	6 ☉	<input type="checkbox"/> Book	1
○ 12" × 7" × 4"	14 ☉	<input type="checkbox"/> Cardboard	
<input type="checkbox"/> Cat figurines	6	○ 3" × 3"	13
<input type="checkbox"/> Cellophane, clear, 3" × 3"	7 ☉	○ 6" × 7"	12
<input type="checkbox"/> Chenille stem, 12"	1	<input type="checkbox"/> Chalk, 2 colors	12 each color
<input type="checkbox"/> Clothespin, wooden, 3"	7	<input type="checkbox"/> Chart paper	13 sheets
<input type="checkbox"/> Craft sticks, wax	21 ☉	<input type="checkbox"/> Colander (optional)	1
<input type="checkbox"/> Finger flashlights, white	6	<input type="checkbox"/> Hole punch, single	1
<input type="checkbox"/> Leather, 3" × 3"	8	<input type="checkbox"/> Marker, permanent	1
<input type="checkbox"/> Light meter	1	<input type="checkbox"/> Paper	
<input type="checkbox"/> Mirrors, plastic	6		

<input type="checkbox"/> Paper <ul style="list-style-type: none"> <li><input type="radio"/> Parchment, 3" × 3" 7 ☉</li> <li><input type="radio"/> Tracing, 8.5" × 4" 6 ☉</li> </ul> <input type="checkbox"/> Penlights 12 <input type="checkbox"/> Sticky note arrows 132 ☉ <input type="checkbox"/> Tape, electrical, black 1 roll ☉	<ul style="list-style-type: none"> <li><input type="radio"/> Construction, black, 9" × 12" 33 sheets</li> <li><input type="radio"/> Printer, 8.5" × 11" 11 sheets</li> <li><input type="radio"/> Scrap 24 pieces</li> <li><input type="radio"/> Tissue, white, 8.5" × 4" 6 sheets</li> <li><input type="radio"/> Wax 1 roll</li> </ul> <input type="checkbox"/> Paper clips 6
<b>Items Required from Other Level 1 Kits</b>	
<b>Survival</b>	
<input type="checkbox"/> Flashlights with batteries 6	<input type="checkbox"/> Paper towels, white 1 roll
<input type="checkbox"/> Magnifiers, handheld, plastic 6	<input type="checkbox"/> Pencil, sharp 1
<input type="checkbox"/> Sentence strips 8	<input type="checkbox"/> Pocket chart 1
	<input type="checkbox"/> Precision knife 1
	<input type="checkbox"/> Rubber band 1
	<input type="checkbox"/> Ruler 1
	<input type="checkbox"/> Scissors 1
	<input type="checkbox"/> Sheet protector 1
	<input type="checkbox"/> Sticky notes 1 pad
	<input type="checkbox"/> Sweatshirts or other thick cloths (optional) 4
	<input type="checkbox"/> Tape <ul style="list-style-type: none"> <li><input type="radio"/> Clear 1 roll</li> <li><input type="radio"/> Masking 1 roll</li> <li><input type="radio"/> Packing, clear, 2" wide 1 roll</li> </ul>
	<input type="checkbox"/> Whiteboard, teacher's (optional) 1

# Spotlight Lessons on Weather

Kit Items	School Supplied Items
<input type="checkbox"/> Bottles, squeeze, plastic 12	<input type="checkbox"/> Aluminum foil (optional) 1 roll
<input type="checkbox"/> Clothespins, wooden, 3" 6	<input type="checkbox"/> Bags, resealable plastic, 1 qt 24
<input type="checkbox"/> Cupcake liners, foil 13 ☺	<input type="checkbox"/> Chart paper 4 sheets
<input type="checkbox"/> Fan, table, with two speeds 1	<input type="checkbox"/> Crayons, light colored 24
<input type="checkbox"/> Thermometers, Fahrenheit	<input type="checkbox"/> Crayons, green, orange, yellow 24 of each color
○ Digital probe 1	<input type="checkbox"/> Facial tissues 12 sheets
○ Plastic back 12	<input type="checkbox"/> Flagging tape, 1" wide 54"
<b>Items Required from Other Level 1 Kits</b>	<input type="checkbox"/> Freezer Access
<b>Safety</b>	<input type="checkbox"/> Glue stick 1
<input type="checkbox"/> Safety goggles 24	<input type="checkbox"/> Ice cream, vanilla 1 pint
	<input type="checkbox"/> Insulated cooler (optional) 1
	<input type="checkbox"/> Measuring spoons
	○ $\frac{1}{2}$ tsp 1
	○ 1 tsp 1
	<input type="checkbox"/> Muffin tins (optional) 1–2
	<input type="checkbox"/> Paper, printer, 8.5" x 11" 12 sheets
	<input type="checkbox"/> Pencils 12
	<input type="checkbox"/> Rulers 6
	<input type="checkbox"/> Tape, packing, clear, 2" wide 1 roll
	<input type="checkbox"/> Toilet paper tubes or paper towel tubes 12 4
	<input type="checkbox"/> Scissors 1
	<input type="checkbox"/> Stapler 1
	<input type="checkbox"/> Whiteboard, teacher's (optional) 1