

Grade: 1 Unit: 1 Patterns of Change in the Sky

Mystery Science: "Spinning Sky"

Timeline: October/November




Mystery	Supplies
Mystery 1: Sun, Shadows, and Daily Patterns	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Blank Paper (8.5 x 11") 1 sheet</p> <hr/> <p>Markers 1 marker</p> <hr/> <p>Tape ⓘ 1 roll</p> <hr/> <p>LED Flashlights 7 flashlights</p> <hr/> <p>Paper Gnomes (3 pages) printout Print 1 copy</p> <hr/> <p>Shadow Patterns (7 pages) printout Print 1 copy</p> <hr/>
Read-Along Mystery 2: Sun, Shadows, & Daily Patterns	26 sticks of Colored Chalk, two different colors per pair
Mystery 3: Sun and Daily Patterns	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Scissors 25 pairs</p> <hr/> <p>Three-Hole Punch 1 hole punch</p> <hr/> <p>Paper Fasteners 25 fasteners</p> <hr/> <p>Sun Finder printout Print 25 copies</p> <hr/>
Read-Along Mystery 4: Sun and Seasonal Patterns	N/A

<p>Mystery 5: Stars & Daily Patterns</p>	<p style="text-align: right;">Number of students: 25</p> <hr/> <p>Scissors 25 pairs</p> <hr/> <p>Dot Stickers ⓘ Hide details</p> <p>25 stickers. We prefer stickers because they are easier to distribute in a classroom.</p> <hr/> <p>Paper Cups (8 oz) 25 cups</p> <hr/> <p>Push Pins 25 pins</p> <hr/> <p>LED Flashlights 26 flashlights</p> <hr/> <p>Big Dipper Star Pictures printout Print 3 copies</p> <hr/> <p>Sky Sheet printout Print 13 copies</p>
<p>Read-Along Mystery 6: Stars and Seasonal Patterns</p>	<p>N/A</p>

Grade: 1 Unit: 2 Lights and Sound

Mystery Science: "Lights and Sounds"

Timeline: January/February/March

Mystery	Supplies
Mystery 1: Sounds, Vibrations	Rulers, cookie sheet (opt)
Read-Along Mystery 2: Sounds, Vibrations	75 ft of thin Bakers Twine 
Mystery 3: Light, Materials, Transparent and Opaque	<ul style="list-style-type: none">• Printouts of Sorting Sheets • An assortment of materials that are transparent, translucent, and opaque. You need a couple of examples from each category. The list below gives you examples of materials that are easy to buy or find:<ul style="list-style-type: none">▪ Transparent: clear plastic soda bottles or food containers, colored cellophane, clear report covers or sheet protectors, plastic bags, CD cases▪ Translucent: wax paper, tissue paper, cloudy plastic▪ Opaque: Construction paper in different colors, cardboard, aluminum foil <p>o prepare for <i>Paper Stained Glass</i>, you will need these supplies:</p> <ul style="list-style-type: none">• Tissue paper in many colors• Flower Shape Sheet  — this is optional. You can have students make flowers or let them make patterns of their own.• Glad Press n Seal• Windows in which you will display student's artwork

<p>Read-Along Mystery 4: Illumination</p>	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Crayons i 75 crayons</p> <hr/> <p>Scissors 25 pairs</p> <hr/> <p>Black Cardstock 26 sheets</p> <hr/> <p>Smooth Paper Clips (#2) 104 clips</p> <hr/> <p>How To Play "Dark Box" (2 pages) printout Print 13 copies</p> <hr/> <p>Dark Box Messages (2 pages) printout Print 13 copies</p> <hr/> <p>Dark Box (2 pages) printout Print 13 copies</p> <hr/>
<p>Mystery 5: Engineering and communication</p>	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Markers Details</p> <hr/> <p>LED Flashlights 26 flashlights</p> <hr/> <p>Color Codes printout Print 25 copies</p> <hr/>
<p>Read-Along Mystery 6: Lights, Sounds & Communication</p>	<p>N/A</p>

Grade: 1 Unit: 3 Mimicking Organisms to Solve Problems:

Mystery Science: "Plant and Animal Superpowers"

Timeline: April/May

Mystery	Supplies
Mystery 1: Structure and Survival	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Scissors 1 pair</p> <hr/> <p>Black Beans (Dried) ⓘ 2 pounds</p> <hr/> <p>Dixie Cups (3 oz) 7 cups</p> <hr/> <p>Dixie Cups (3 oz) 50 cups</p> <hr/> <p>Elbow Macaroni ⓘ 2 pounds</p> <hr/> <p>Masking Tape 84 feet</p> <hr/> <p>Paper Cups (8 oz) 14 cups</p> <hr/> <p>Plastic Straws (Not Bendable) 7 straws</p> <hr/> <p>Plastic Straws (Not Bendable) 25 straws</p> <hr/> <p>Bird Beaks printout Print 25 copies</p> <hr/>
Read-Along Mystery 2: Parenting and offspring survival	N/A
Mystery 3: Structure and Survival	<p>Each student will need:</p> <ul style="list-style-type: none">• At least one "Color-A-Moth" handout ↗ (if you only have a few students, we suggest 2 or 3 per student)• A "Look for moths" handout ↗• Access to crayons, markers, and/or colored pencils in a variety of colors• Scissors• A removable sticky glue dot <p>Printouts of Trees</p>

<p>Read-Along Mystery 4: Inheritance and Variation of Traits</p>	<p>Pictures of mother animals and pictures of matching baby animals. Envelopes</p>
<p>Mystery 5: Plants and Engineering</p>	<p>For each student, you'll need:</p> <ul style="list-style-type: none"> • scissors • 2 pipe cleaners • 6 stickers or strips of tape <ul style="list-style-type: none"> ◦ *We use stickers like these because they substitute well for strips of tape and are easier to hand out in a large class • 2 bendable plastic straws* • Dixie cup • clay, playdough (commercial or homemade; see recipe below), or similar, to hold the umbrellas upright in the Dixie cups <ul style="list-style-type: none"> ◦ <i>You'll need about 3 tablespoons of clay or playdough per student; 6 cups for a class of 32. If you want to make your own playdough, slowly add 2½ cups water (with a few drops of food coloring, if you'd like) to a mixture of 5 cups of flour and 1¼ cups of salt. Stir as you go, and then knead the dough. If it's too sticky, just add a bit more flour.</i> <p>You'll also need:</p> <ul style="list-style-type: none"> • a big rectangle of poster board (We used a 22" x 28" sheet. You could also use two 14" x 22" sheets, taped together.) <p>Step 2: Print out materials</p>
<p>Read-Along Mystery 6: Plant Survival</p>	<p>N/A</p>