

Grade: K Unit 1: Weather & Seasons

Mystery Science: “Weather Watching”

Timeline: October/November/December

Mystery	Supplies
Mystery 1: Weather Conditions & Tracking	Clipboard, crayons, weather drawing printout
Read-Along Mystery 2: Weather Conditions & Preparation	Handout
Mystery 3: Seasons & Patterns	Printouts
Read-Along Mystery 4: Weather & Daily Patterns	N/A
Mystery 5: Sun, Heat & Engineering	Handouts <ul style="list-style-type: none">• envelopes big enough to contain experiment supplies (1 per pair of students; see Step 4 for assembly instructions)• scissors (1 per pair of students)• stickers or pieces of masking tape (2 per pair of students)<ul style="list-style-type: none">◦ <i>We use stickers like these because they substitute well for strips of tape and are easier to hand out in a large class</i>• 3 x 5 card (1 per pair of students)• aluminum foil• clear plastic report covers (2 for a class of 32)• black construction paper (4 sheets for a class of 32)• colored construction paper (4 sheets for a class of 32)
Read-Along Mystery 6: Sun & Heat	N/A

Grade: K Unit 2: Forces, Machines, & Engineering

Mystery Science: "Force Olympics"

Timeline: January/ February

Mystery	Supplies
Mystery 1: Pushes, Pulls & "Work Words"	N/A
Read-Along Mystery 2: Pushes, Pulls, & "Work Words"	N/A
Mystery 3: Strength & Direction of Force	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Blank Paper (8.5 x 11") Details</p> <hr/> <p>Tape 1 roll</p> <hr/> <p>Yardstick or Meterstick 7 sticks</p> <hr/> <p>Large Binder Clips (2") 14 clips</p> <hr/> <p>Masking Tape 1 roll</p> <hr/> <p>Solo Cups (9 oz) 21 cups</p> <hr/> <p>Thin String Details</p> <hr/> <p>Game Station Set (4 pages) printout Print 7 copies</p>
Read-Along Mystery 4: Strength & Direction of Force	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Hardcover Books 14 books</p> <hr/> <p>Yardstick or Meterstick 1 stick</p> <hr/> <p>Masking Tape 150 feet</p> <hr/> <p>Solo Cups (9 oz) 42 cups</p> <hr/> <p>Tennis Balls 7 balls</p>

<p>Mystery 5: Forces & Engineering</p>	<p>For each game station, you'll need:</p> <ul style="list-style-type: none">• 1 small ball, such as a ping-pong ball or superball• 2 small cups that the ball fits into, such as Dixie cups• a large binder clip and 4 pieces of corrugated cardboard, each about 8½ x 11 (or you can use a clipboard and 2 pieces of corrugated cardboard)• 5 pushpins• enough books make a stack that's about 3 inches high <p>To prepare the game stations, you'll also need:</p> <ul style="list-style-type: none">• scissors• masking tape
<p>Read-Along Mystery 6: Forces & Engineering</p>	<p>N/A</p>

Grade: K Unit 3: Plant & Animal Needs

Mystery Science: Plant & Animal Secrets

Timeline: March - June

Mystery	Supplies
Mystery 1: Animal Needs: Food	N/A
Read-Along Mystery 2: Animal Homes	N/A
Mystery 3: Animal Needs: Safety	N/A
Read-Along Mystery 4: Changing the Environment	N/A
Mystery 5: Plant Needs: Sunlight	<p style="text-align: right;">Number of students: <input type="text" value="25"/></p> <hr/> <p>Crayons ⓘ Details</p> <hr/> <p>Aluminum Foil Details</p> <hr/> <p>Aluminum Pan Details</p> <hr/> <p>Baking Soda 2 teaspoons</p> <hr/> <p>Dixie Cups (3 oz) 26 cups</p> <hr/> <p>Dixie Cups (3 oz) 7 cups</p> <hr/> <p>Paper Plates (9") 7 plates</p> <hr/> <p>Spray Bottles 7 bottles</p> <hr/> <p>Sticker Labels (1" x 3") 26 labels</p> <hr/> <p>Peat Pellets ⓘ Details</p> <hr/> <p>Radish Seeds 1 3-gram packet</p> <hr/> <p>Draw the Radishes printout Print 25 copies</p> <hr/>
Read-Along Mystery 6: Animal Needs & Changing the Environment	N/A