

EXPERIMENTS SUPPLY LIST

Day 1: Star of Wonder

- ☐ [Rotational Axis of Earth Illustration](#)
- ☐ 10 or more 4-inch star cutouts
- ☐ Painter's tape or other wall adhesive
- ☐ 1 large, 20-inch, yellow ball or balloon
- ☐ Small globes or earth balls, 1 per person
- ☐ 1 globe for demonstration
- ☐ Optional: star cutouts or glow-in-the-dark stars, 1 per person to take home

Day 1: Cone in a Cornfield

- ☐ [Paricutin Photo](#)
- ☐ [Map of Mexico Volcanoes](#)
- ☐ [Cinder Cone Volcano Collage](#)
- ☐ [Cinder Cone Volcano Formation](#)
- ☐ Pie plate
- ☐ Zippered plastic bag of sand
- ☐ Scissors
- ☐ YouTube.com/answersvbs video experiment with ammonium dichromate
- ☐ Device to play video

Day 2: Lasso Lesson

- ☐ [Cowboy Illustration](#)
- ☐ [Vaquero Illustration](#)
- ☐ [Parts of a Lasso Illustration](#)
- ☐ Paracord (4 mm) in 1-yard (1 m) lengths, 1 per person
- ☐ Water bottles, 1 per 1–3 people
- ☐ 1 authentic lasso/rope

Day 2: Layers upon Layers

- ☐ [Grand Canyon Photo](#)
- ☐ [Types of Rocks Collage](#)
- ☐ [Grand Canyon Layers](#)
- ☐ [Colorado Plateau](#)
- ☐ [Grand Canyon Fossils](#)
- ☐ [Canyon Lake Gorge](#)
- ☐ [Rock Formations](#)
- ☐ Painter's tape to hang pictures on the walls
- ☐ Jolly Ranchers, 2 different colors per person
- ☐ 1-oz. portion cups, 2 per person
- ☐ Paper plates, 2 per person
- ☐ Plastic spoons, 1 per person
- ☐ Hammers (or other hard items to smash the hard candies—even a rock), 1 per person

Day 3: Weather the Storm

- ☐ [Water Cycle Illustration](#)
- ☐ [Lightning Diagram](#)
- ☐ [Wind Diagram](#)
- ☐ 1 electric kettle or other means to boil water
- ☐ 1 clear, heat-safe measuring cup of ice water
- ☐ Blue food coloring
- ☐ Optional: 1 cylindrical object (paper towel tube, can, jar, water bottle)
- ☐ 1 large glass pitcher of ice water for each table
- ☐ 2 x 2-inch paper tissues, 1 per person
- ☐ Inflated balloons, 1 per person

Day 3: Power Play

- ☐ [Victoria Falls Picture](#)
- ☐ [Old West Windmill](#)
- ☐ [Wind Turbine](#)
- ☐ Pinwheels, 1 per person
- ☐ 1 waterwheel model for demonstration (possibly in a clear bin with a bucket of water to use to move the wheel)
- ☐ 1 empty gallon jug

Day 4: Riding the Rails

- ☐ [Transcontinental Railroad Map](#)
- ☐ [Sharp Turn Picture](#)
- ☐ [Wheels on Left-Hand Curved Track Picture](#)
- ☐ 1-inch tapered caps (Caplugs T-249-2 T Series) or plugs, 4 per station or per person
- ☐ 1-inch PVC pipe (inside diameter $\frac{3}{4}$ -inch) or other 1-inch straight, rigid tubing, $1\frac{1}{2}$ -inch pieces, 2 per station or per person
- ☐ 1-inch PVC pipe (or other tubing), $3\frac{1}{2}$ -inch pieces, 1 per station or per person
- ☐ Glue
- ☐ G-gauge model train track (straight and curved), per station or per person
- ☐ Blocks, books, or small boxes to elevate one side of each piece of track so wheels roll downward
- ☐ Electrical tape

Day 4: Pushy Plates

- ☐ [Layers of the Earth Image](#)
- ☐ [Plate Tectonics Map](#)
- ☐ [Mount Everest Photo](#)
- ☐ Mandarin oranges, $\frac{1}{2}$ per person
- ☐ Paper towels or napkins, 1 per person
- ☐ Paper plates, 1 per person

Day 5: Spread the Word

- ☐ [Telegraph Picture](#)
- ☐ [Morse Code Papers](#), 1 per person
- ☐ Pens or pencils, 1 per person
- ☐ 1 small flag of any kind
- ☐ 12-oz. paper cups, 2 per person
- ☐ Cotton twine in 5-foot lengths, 1 per person
- ☐ Medium paper clips, 2 per person
- ☐ 1 Slinky toy or similar spring toy for demonstration
- ☐ Optional: spring toys for students to use or take home
- ☐ 1 nail with the same diameter as your twine, for prep

Day 5: Marvelous Magnetism

- ☐ [Aurora Borealis Photo](#)
- ☐ [NASA Sun Earth Illustration](#)
- ☐ Hard plastic petri dishes, 1 per station or per person
- ☐ Iron filings, 1 teaspoon per station or per person
- ☐ Bar magnets, 1 per station or per person
- ☐ Half sheets of white paper, 1 per station
- ☐ Tape to stick the magnet to each station
- ☐ 1 compass per station