

INFORMATION FOR LEADERS

What You Will Need for Each Activity

Listed below are the materials and preparations you will need for each activity. Most of the materials can be purchased locally. The more difficult-to-find items, such as magnifying lenses, can be purchased from Wonderwise. The symbol ☉ indicates that an item can be ordered from the Wonderwise Web site or Destination Education, Inc., the Wonderwise distributor. To purchase supplies, kits, videos, or CD-ROMs contact:

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Activity 1 Sound Sense	Activity 2 Cool Tool	Activity 3 Seedy Travelers	Activity 4 Walk On Water Bugs	Activity 5 Drain Game
<p>For the entire group:</p> <ul style="list-style-type: none"> ☉ 18-min. video <i>Carmen Cid, Urban Ecologist</i>; 8-min. video <i>Nebraska Wetlands</i> <p>For each team of 4:</p> <ul style="list-style-type: none"> ▪ clock or watch for recording minutes 	<p>For each team of 4:</p> <ul style="list-style-type: none"> ☉ 2 magnifying lenses ▪ 2 end markers (bricks or stones) ▪ 2 frames (see instructions below) ▪ 12-meter transect line (see instructions below) <p>To prepare the frames</p> <p>For each team of 4:</p> <ul style="list-style-type: none"> ▪ 2 copies of data collection sheet, p. 15 ▪ 8 cardboard strips 3 x 36 cm ▪ stapler or tape <p><i>Directions: Make a 30-cm square space using four cardboard strips to frame the sides. When the sides are straight, tape or staple them securely into position. Now make a second frame.</i></p> <p>To prepare the transect line.</p> <ul style="list-style-type: none"> ▪ 12-13 meters of string ▪ 1 dark-colored felt marker ▪ masking tape (1-inch wide) ▪ 1 meter measuring stick <p><i>Directions: Using the felt marker and the meter measuring stick, mark 2-meter intervals along the transect line. Attach pieces of tape to each mark and number the pieces 1 to 6.</i></p>	<p>For each team of 4:</p> <ul style="list-style-type: none"> ☉ 2 magnifying lenses ▪ 1 package seed mix plus any seeds you find outdoors. Seeds such as maple, dandelion, cattail, or milkweed are great for the fly test in Part 2. ▪ 1 palm-sized piece of flannel or fuzzy cloth (a sweat shirt or an old sock) ▪ 1 bending straw ▪ 1 funnel ▪ 1 marking pen ▪ 1 paper punch ▪ 1 small index card (3 x 5) ▪ 30 cm ruler ▪ clear tape ▪ glue or glue stick ▪ scissors ▪ 2 sheets of 8 x 11 paper ▪ 4 toothpicks ▪ 4 sheets of different-colored, 8 x 11 paper <p><i>Make 4 copies each of p. 23 and assemble with tape to make target.</i></p>	<p>For each team of 2:</p> <ul style="list-style-type: none"> ▪ tap water ▪ 3 cups (short, wide-mouthed, clear plastic cups) ▪ 6 small metal paper clips (#1 regular) ▪ 1 plastic spoon ▪ 1 tablespoon soil (not potting soil) ▪ toothpicks ▪ a drop of liquid detergent ▪ 1 funnel ▪ several paper towels ▪ two #2 coffee filters ▪ about 3 tablespoons each of gravel and sand 	<p>For each team of 2:</p> <ul style="list-style-type: none"> ▪ 2 sheets of 8½ x 11 bond paper ▪ water-soluble pens in green, yellow, red, brown, and blue ▪ tape ▪ spray bottle of water ▪ pen or thin permanent marker ▪ paper towels