

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 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	Activity 2	Activity 3	Activity 4	Activity 5
Meet Adriana	Crater Maker	Vanishing Craters	Big Time Tour	Digging into the Past
For the entire group:	For each team of 2-4:	For each team of 2-4:	For each team of 2:	For every 10-12 kids:
<ul style="list-style-type: none"> © 18-min. video <i>Adriana Ocampo, Space Geologist</i> ▪ Video player and television <p>For each team of 2:</p> <ul style="list-style-type: none"> ▪ Tape and scissors 	<ul style="list-style-type: none"> ▪ 3 marbles ▪ flour (about 2 liters will fill a paper bag tray 6 centimeters deep) ▪ cocoa powder in a shaker (about 10 milliliters or 1 tablespoon per team) ▪ 2 meters measuring string ▪ washer or other weight ▪ tape ▪ centimeter ruler ▪ recording sheet and pencil ▪ newspaper ▪ tray (a cut-off grocery bag works best) ▪ scissors ▪ paper towels (plain white) ▪ spray bottle with water 	<ul style="list-style-type: none"> ▪ small bowl (use disposable bowls for easy cleanup or if you want to save your crater model) ▪ powdered sugar (100 milliliters, or enough to fill a bowl about 4 centimeters deep) ▪ cocoa powder in a shaker (10 milliliters or 1 tablespoon per crater) ▪ a small stone (to simulate a rocky asteroid) ▪ spray bottle filled with water ▪ newspaper to cover the table ▪ metric tape measure 	<ul style="list-style-type: none"> ▪ pencil or pen ▪ sticky notes ▪ fine point water-soluble marker ▪ a sheet of paper a little longer than arm's length (tape together lengths of legal-size paper) 	<ul style="list-style-type: none"> ▪ ¾ liter brown sugar ▪ ½ liter white sugar ▪ 1 jar dark sprinkles ▪ 1 small bottle each red and green food colors ▪ 5 plastic spoons ▪ 5 containers for the sugar mixtures (about 250 ml each) <p>For each team of 2:</p> <ul style="list-style-type: none"> ▪ 1 plastic spoon ▪ one small opaque cup (150-200 ml styrofoam or paper) ▪ 1 clear plastic straw ▪ 1 set of colored pencils to match the layer colors ▪ 1 paper plate ▪ newspapers (to cover work space) <p>To prepare the sugar mixtures:</p> <p>Prepare 5 different colors and textures of sugar. One container of each color should be enough for 4 or 5 groups.</p> <ul style="list-style-type: none"> ▪ brown sugar ▪ orange sugar (brown sugar plus drops of red food color) ▪ fossil sugar (brown plus tiny sprinkles) ▪ white sugar ▪ green sugar (white sugar plus drops of green food color)