

WARNING!

FOR USE BY CHILDREN OVER 5 YEARS OLD.

ONLY FOR USE UNDER THE SUPERVISION OF AN ADULT.

CAUTION!

READ THE INSTRUCTIONS BEFORE USE. FOLLOW THEM AND KEEP FOR REFERENCE.

DO NOT INHALE OR SWALLOW POWDER ON MAGIC PLASTER GAUZE.

Advice for Supervising Adults

- Read and follow these instructions, the safety rules, and the first aid information. Keep these instructions for reference.
- The incorrect use of chemicals can cause injury. Only carry out those activities which are listed in the instructions.
- This chemical toy is for use only by children over the age of 5 years.
- Because children's abilities vary so much even within age groups, supervising adults should exercise discretion as to which activities are suitable and safe for them. Supervising adults should assess any activity in order to establish its suitability for a particular child.
- The supervising adult should discuss the warnings and safety information with the child or children before beginning the activities. Particular attention should be paid to the safe handling of acids, alkalis, and flammable liquids.
- The area surrounding the activity should be kept clear of any obstructions and away from the storage of food. The area should be well lit, ventilated, and close to a water supply. A solid table with a heat-resistant top should be provided.

Safety Rules

- Read these instructions before use. Follow them and keep them for reference.
- Keep young children and animals away from the activity area.
- Store chemical toys out of reach of young children.
- Clean all equipment after use.
- Wash hands after carrying out activities.
- Do not use any equipment which has not been supplied with the set or recommended in the instructions for this use.
- Do not eat, drink, or smoke in the activity area.
- Do not allow chemicals to come into contact with the eyes or mouth.

Chemicals included: There is gypsum in the Magic Plaster Gauze. The chemical name for gypsum is Calcium sulfate hemihydrate.

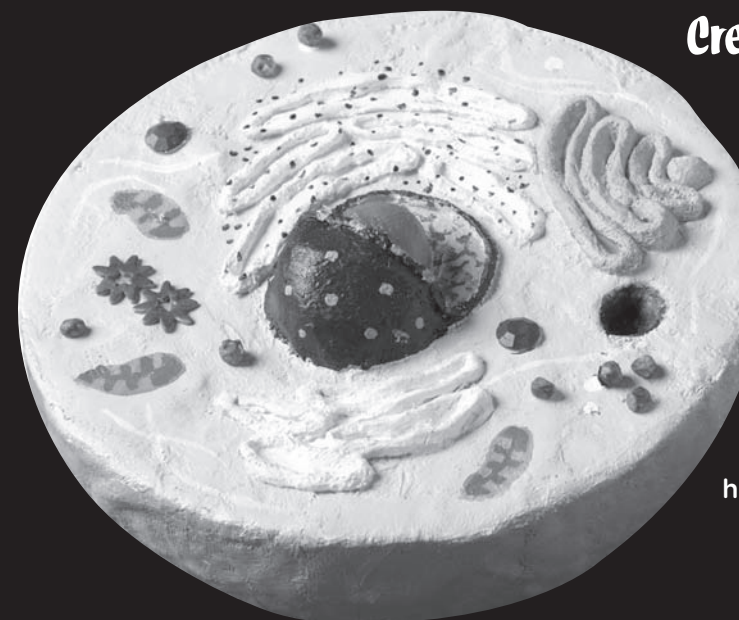
General First Aid Information

- In case of eye contact: wash out eye with plenty of water, holding eye open if necessary. If burning, redness, itching, pain or other symptoms persist or develop, consult a physician.
- If swallowed, rinse out mouth with water. Drink some fresh water. Seek immediate medical advice.
- The powder in the Magic Plaster Gauze may cause drying of the nose and throat after prolonged exposure. In case of inhalation, leave the area to breathe fresh air. If respiratory symptoms persist, consult a physician.
- The powder in the Magic Plaster Gauze may cause drying of the skin. In case of skin contact resulting in irritation or burns, wash affected area with plenty of water for 5 minutes.
- In case of doubt, seek immediate medical advice. Take the chemical, together with the container and this information, with you.
- In case of injury, always seek medical advice.



ScienceSculpt™

3-D Project Kit



Create your own scientific model!

Scientists make models in order to better understand the natural world. Models can show things that are too big, too small, or too far away to easily observe in the real world. You can use this kit to make a model of anything with a round shape—Earth, other planets, a cell, the eye, an atom, the moon, etc. Using reference information, you'll create a foam-and-plaster model complete with details unique to your project. Get ready for some model-making fun!

Be sure to read all the directions before getting started. Allow at least two days to complete this project so that it has time to dry. Don't wait to start the night before it's due!

Materials Included

- Two 7.5" diameter hemispheres
- Two rolls of Magic Plaster Gauze
- Paint
- Paintbrush

Materials Needed

- | | |
|--|--|
| <input type="checkbox"/> Reference materials about your project (pictures or illustrations are especially helpful) | <input type="checkbox"/> Bowl of water |
| <input type="checkbox"/> Newspaper | <input type="checkbox"/> Scissors |
| <input type="checkbox"/> Aluminum foil | <input type="checkbox"/> Marker |
| | <input type="checkbox"/> Tape |

Optional:

- Plastic (to protect workspace)
- Dull (butter) knife
- Toothpick
- Ruler



Getting Ready

Spend some time studying your project. What are its features? You probably can't show absolutely everything in your model, so think about which features you would like to highlight.

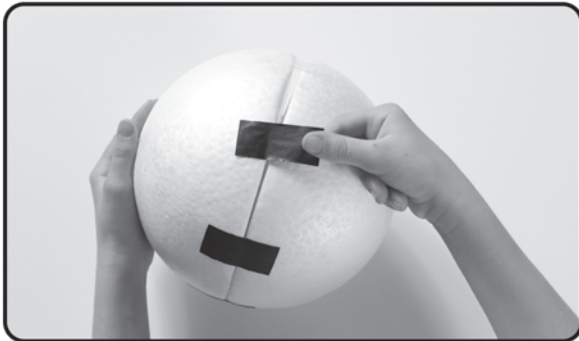
Applying the Magic Plaster Gauze

Materials Needed

- Newspaper and/or plastic
- Bowl of water
- Reference materials about your project
- Foam hemisphere(s)
- Aluminum foil
- Tape
- Two rolls of Magic Plaster Gauze
- Scissors
- Optional: dull (butter) knife

Time Required: 1 day

- 1 Lay out some newspaper and/or plastic on the table to protect your workspace. Put a medium-sized bowl of water on the table.
- 2 If your project is spherical, use tape to adhere the two hemispheres together.



- 3 Consult your reference materials to see where there are raised elements. Use sheets of crumpled aluminum foil or paper to create these raised elements. Tape the aluminum foil/paper into place on your foam hemisphere(s).



- 4 If you need to create depressions (such as craters on the moon), use your dull (butter) knife to carve them out of the foam.
- 5 Cut short lengths (about 5 inches long) of Magic Plaster Gauze.
- 6 Dip a strip of Magic Plaster Gauze into the water. Rub it between your thumb and fingers to break down the powder and create a paste-like substance. This will create a smoother effect. Run your fingers down the strip, gently squeezing any excess water back into the bowl.



- 7 Lay the strip on the foam hemisphere(s). Smooth it out with your fingers.



- 8 Repeat steps 6-7 until you have covered the foam hemisphere(s). You can apply multiple layers of Magic Plaster Gauze to build up a thicker model. Thicker models will take longer to dry.
- 9 You can build additional raised elements after you have started placing the Magic Plaster Gauze. Place multiple layers of Magic Plaster Gauze in one spot to build upward.
- 10 Let your model dry overnight. It will dry fastest outside in the sun. If drying indoors, allow 24 hours to dry. Put the model in a place where it won't be disturbed, such as on top of the refrigerator. Set the wet model on top of a bit of plastic or aluminum foil to protect the space underneath.

Painting Your Model

Materials Needed

- Dry model
- Reference materials about your project
- Paint
- Paintbrush

Optional:

- Toothpick(s)
- Paper
- Tape
- Paperclip
- String

Time Required: 1 day

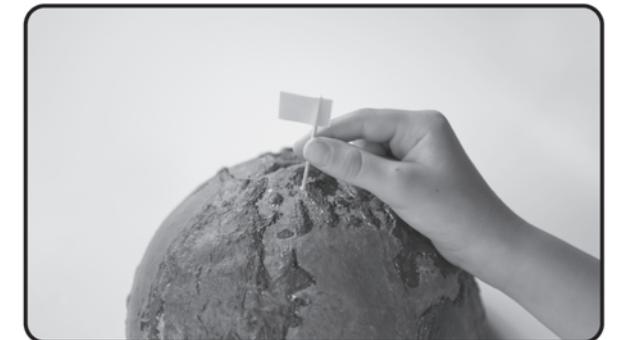
When the model is completely dry, use the paints and paintbrush to paint in color and details. Lay out some newspaper and/or plastic on the table to protect your workspace. Put a medium-sized bowl of water on the table for cleaning your brush.

Study your reference materials and consider which colors to use for various details. Use the thin edge of the brush for painting small details. Use the broad side to paint larger areas of color. See Figure 1.

Allow the painted model to dry overnight.



Figure 1



You can create a label by taping a piece of paper to a toothpick. Push the toothpick through both the gauze and foam layers until the toothpick stands upright by itself.

Displaying Your Model

Create a Stand for Your Model

Cut a 1-inch wide strip of paper. Form it into a ring and tape the ends together. Set your model in the ring.



Hang Your Model from the Ceiling

Partly unwind a paperclip. Push the straight end into the model. Tie a piece of string to the folded end of the paperclip. Hang the string from the ceiling.

