

3D Viewer

Overview

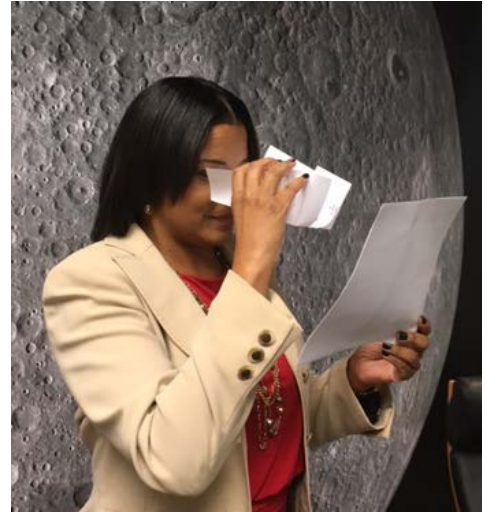
Participants cut and tape a stereoscope and use it to examine three-dimensional images of planetary objects.

Activity Time

5 minutes

Intended Audience

School-aged children ages 8 and up
Tweens and Teens
Adults



What's the Point?

- 🔍 Stereo images can engage audiences to initiate discussions about planetary science.
- 🔍 Missions take data from different perspectives to allow scientists to model planetary features in three dimensions.

Materials

For each participant:

- A copy of the 3D viewer (next page)
- Tape
- Scissors
- Stereo images to view (last page)

Activity

1. Let the participant know that they can create and use a 3D viewer.

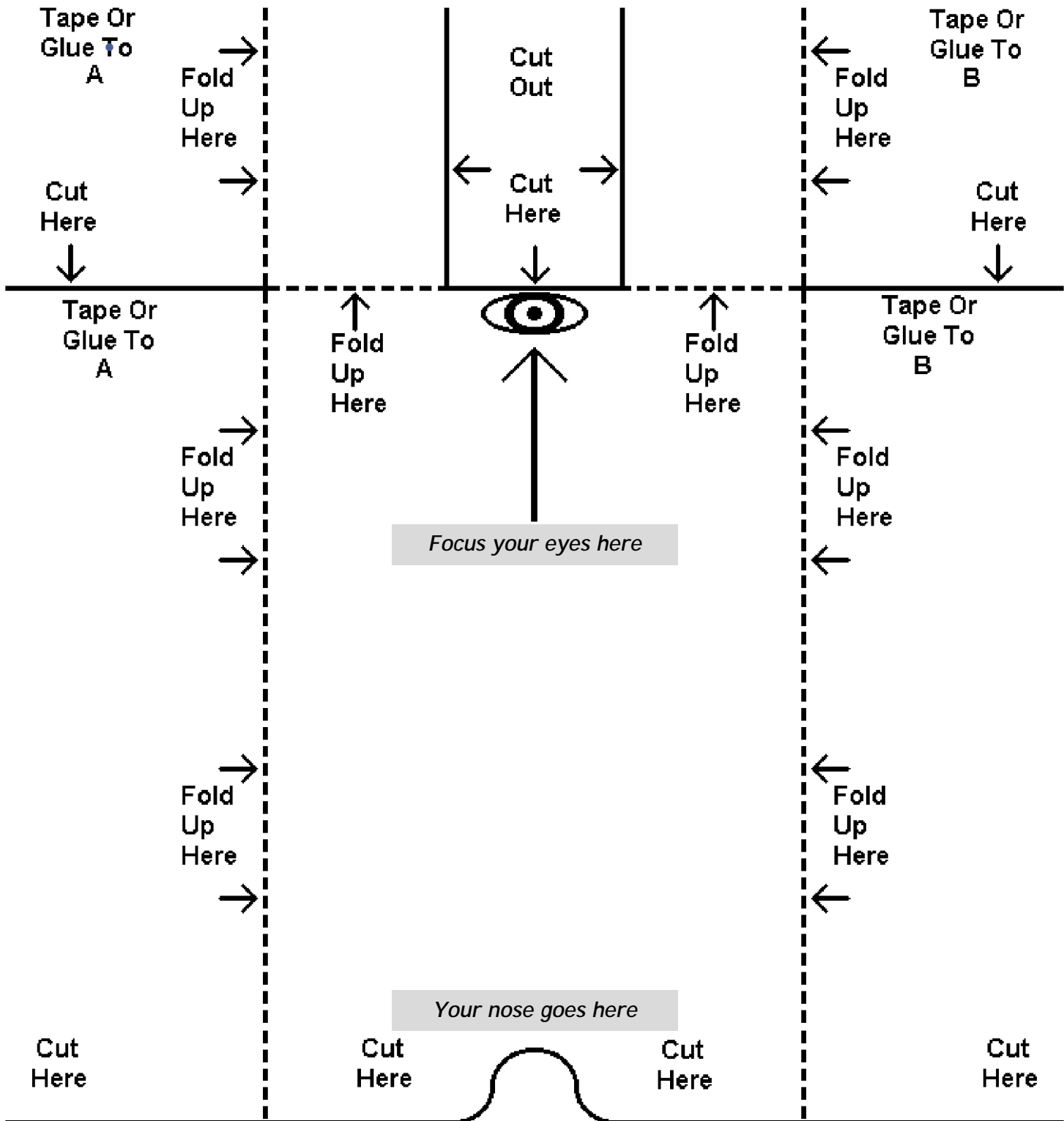
- Show participants the materials and demonstrate using a completed 3D viewer to examine a stereo pair.

Young children and some older children and adults may find it difficult to use the 3D viewer; a few participants can use the stereo images to see features in 3D without the viewer to assist. The viewer helps participants to cross-view the stereo pairs.

2. Help participants make the viewer.

- Cut along the solid lines.
- Fold along the dashed lines.
- Tape where indicated.
- Practice using the viewer to examine the stereo pairs: hold the open end up to your eyes and focus on the graphic of the eye, then hold the stereo pair a few inches in front of the opening. *The asteroid pair on the middle left may be the easiest to start with.*

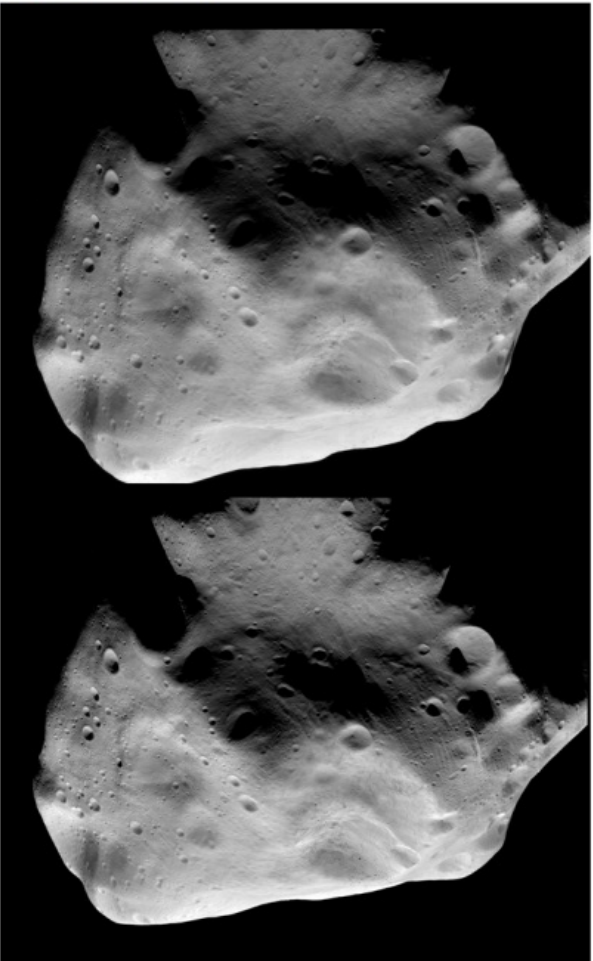
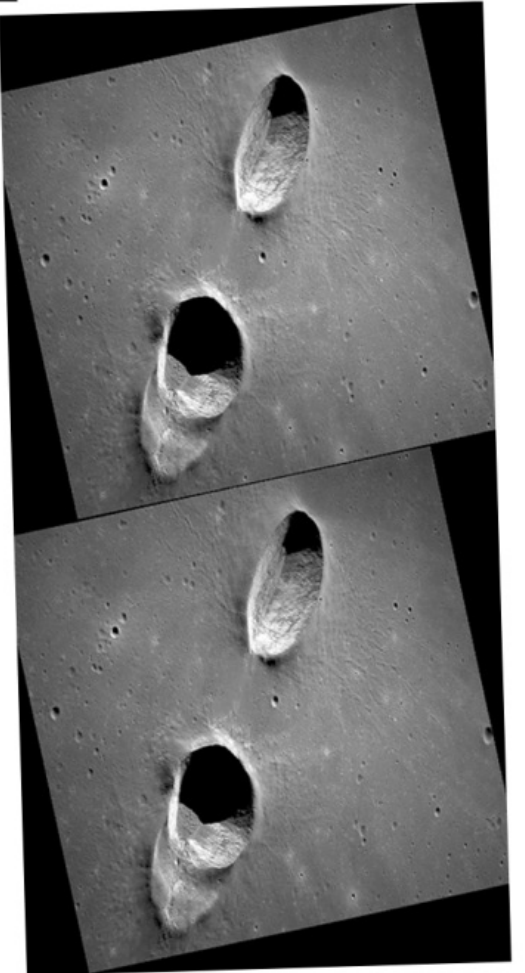
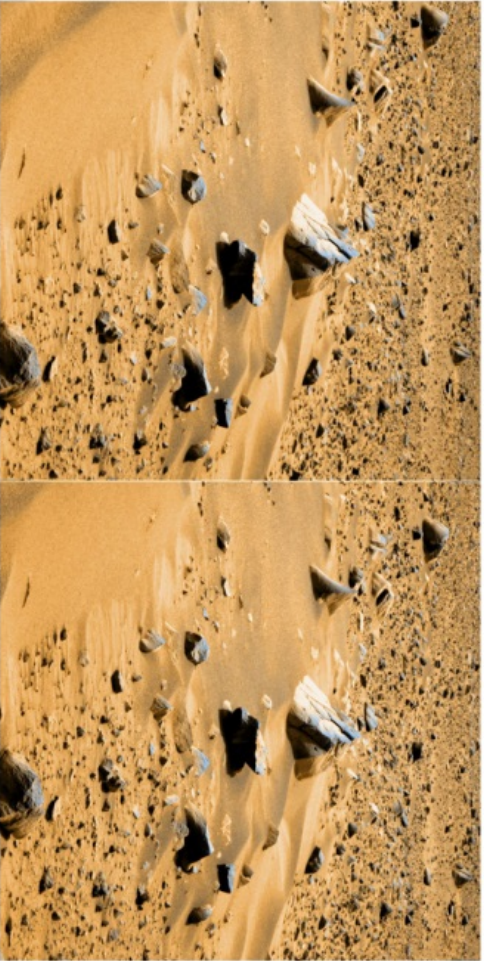
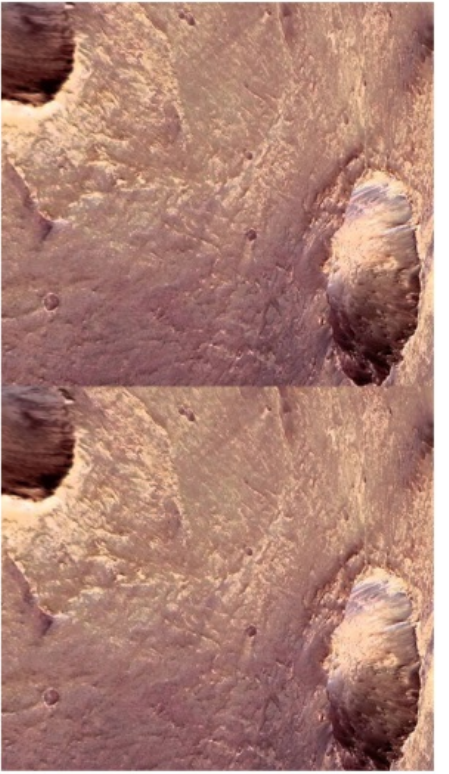




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