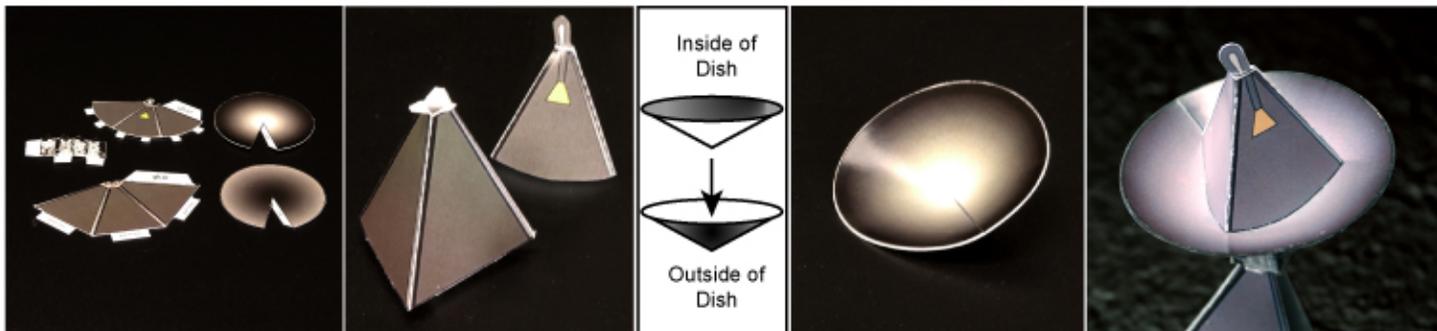


### C. High-Gain Antenna



1. Score the antenna strut, feed horn strut, and gimbal. Then cut out all the antenna parts.

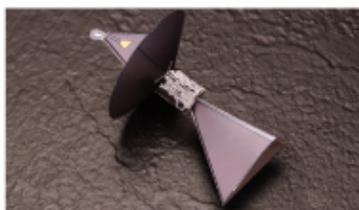
2. Fold and glue the **antenna strut** and **feed horn strut**.

3. Glue the inside of the **antenna dish** together, then glue the outside together. Next, glue the inside part to the outside part.

4. Glue the feed horn strut to the center of the dish.



5. Fold and glue the gimbal into a box shape, leaving the end with the black tabs open. Let dry.

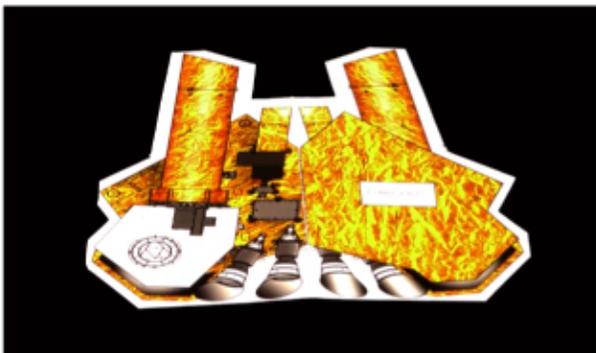


6. Apply glue to the closed end of the gimbal, and attach it to the antenna strut. Let dry. Then apply glue to the gimbal's black tabs and attach the antenna dish. Let dry.

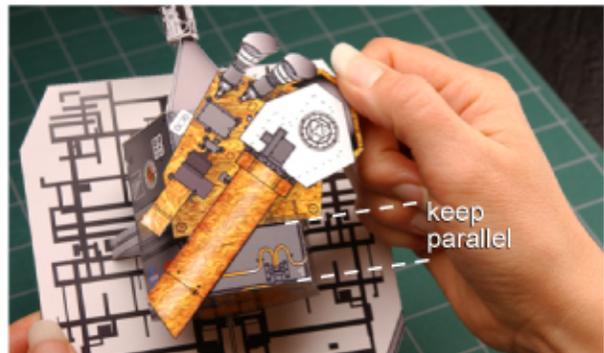


7. Glue the finished antenna to the bus where marked.

### D. Instrument Assembly



1. Important: Leave some white space around the instrument assembly as you cut it out. Fold it, then glue the two halves together. Wrap it in wax paper, and press it in a heavy book overnight. Then trim it.



2. Glue the instrument assembly to the bus, keeping the bottom edges parallel.

#### Model Stand

You've done it—you've built the Deep Impact spacecraft! Display your model by hanging it or mounting it on a stand. Here's one way to build a stand:

Start with a 1/16-inch diameter brass tube, about 10 inches long (available at hardware or hobby stores). Uncurl one end of a small paper clip and wedge it into the tube as shown. Secure the other end of the tube in a block of wood or other material for a stable base. Glue the model label on the base.

Cut a 1/4-inch slit in the bus where shown. Cut a small square of cardboard and make a 1/4-inch slit in it. Glue the cardboard inside the bus, aligning the slits. This strengthens the area where you'll insert the paper clip.

