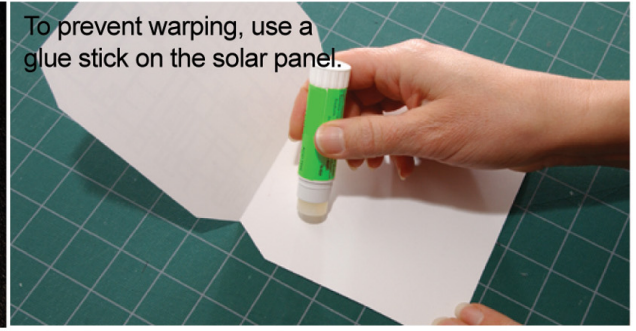
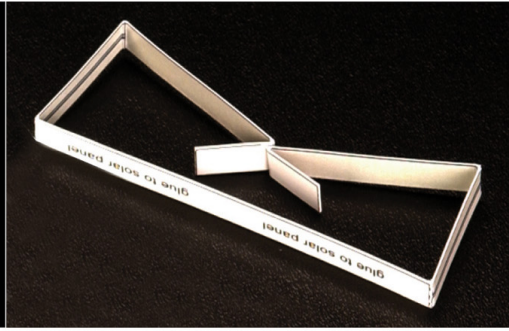
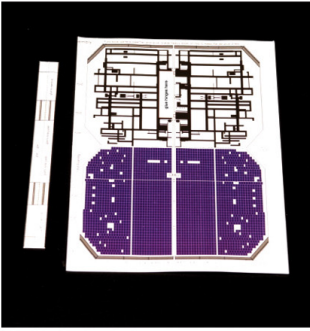


C. Solar Panel and Strut

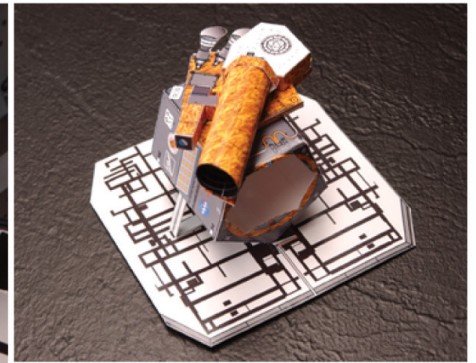
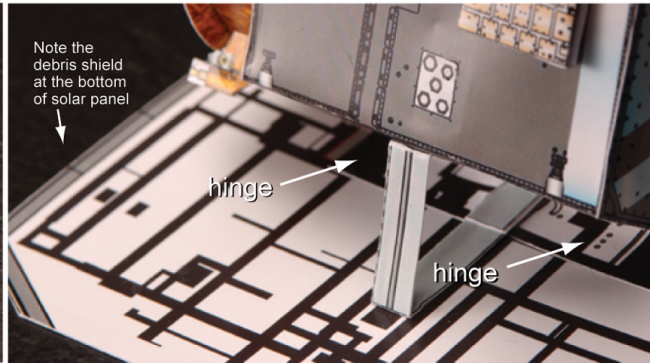


To prevent warping, use a glue stick on the solar panel.

1. Score the strut and solar panel. **Important:** Cut out only the strut. Do not cut out the solar panel yet.

2. Fold the **strut** lengthwise and glue the halves together. Wrap it in wax paper, then press it in a heavy book until it dries. Make the remaining folds as shown.

3. Fold the **solar panel**. Then use a glue stick to apply a very thin layer of glue on one inside half and glue the sides together. Wrap it in wax paper, and press it in a heavy book overnight. (For additional strength, trace one half of the panel on a blank piece of card stock. Cut it out and layer it inside the folded panel before you glue it together.) **AFTER** the glue dries, trim the panel.

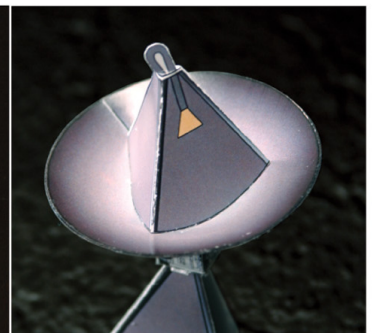
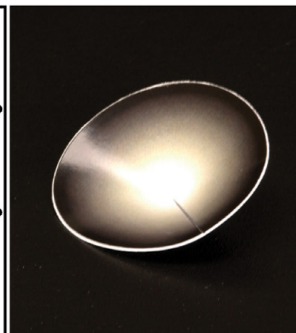
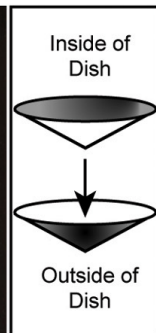
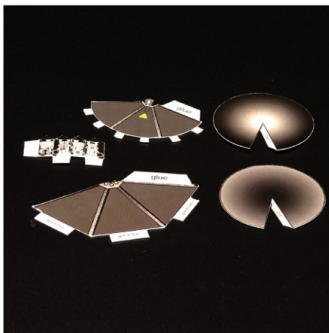


4. Glue the strut's "1" tabs to the inside of the strut as marked. Then glue the strut to the bus.

5. Apply glue to the inside of the bus's hinges and glue them closed. Then glue the solar panel to the hinges and the strut.

6. Here's the finished solar panel and strut attached to the bus.

D. High-Gain Antenna

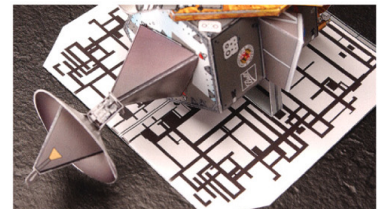


1. Score the antenna strut, feed horn strut, and gimbal. Then cut out all the antenna parts.

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.