

SUBARU TELESCOPE PAPER MODEL

INSTRUCTION SHEET

Materials

Instruction Sheet
Sheet with cutouts for paper model
Scissors (or a cutter, ruler, and cutting board)
Aluminum foil (optional)
Glue and Invisible tape
Thin cardboard (optional)

Time

This activity requires dexterity and patience.
Plan to spend an hour to complete the activity.

Procedure

1. Glue craft sheet to cardboard (optional)
2. Cut model along thick black lines
3. Glue aluminum foil to the uncolored side of the **section 2 (primary mirror)** (optional)
4. Cut out parts labeled "X" (optional)

5. Roll **section 1 (the telescope tube)** onto a tube and glue or tape it to form a cylinder.
6. Attach **section 2** to the bottom end of **section 1** with the blue part outside and the white teeth inside.

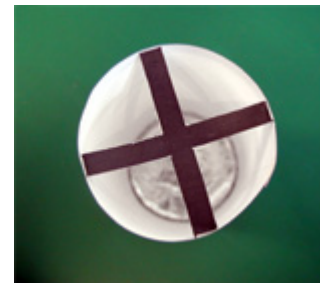


Section 1 in cylinder form

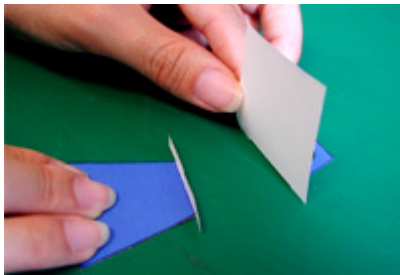
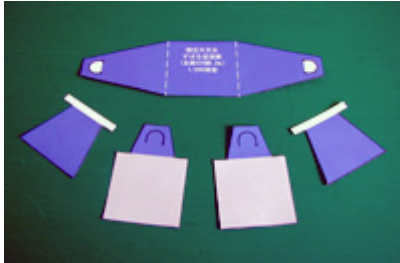


Attach section 1 to section 2

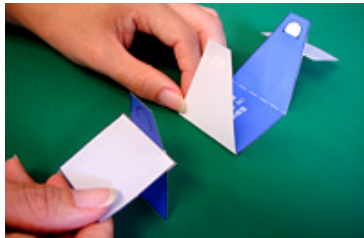
7. Attach **section 3 (the spiders)** to the top of the tube.



8. Fold **section 4 (the mount)** inward along the dotted lines.
9. Fold **sections 5a, 5b, 6a, and 6b (the Nasmyth platforms and platform supports)** inward along the boundary between the blue parts and the white or gray parts.



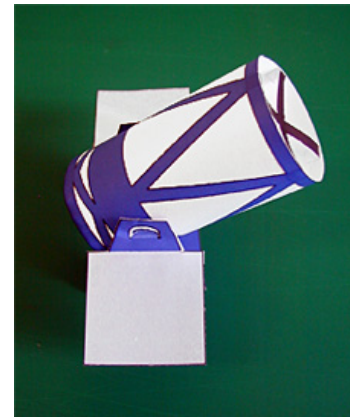
10. Attach **sections 5** to **sections 6** as shown in the photographs. Attach these to **section 4**.



11. Put the **U** shaped cutouts in **section 4** through the holes in **section 1** or glue or tape them onto **section 1** at any angle.



DONE!



SUBARU TELESCOPE PAPER MODEL

BEGINNERS (FOR CHILDREN)

FOLD UP OUTWARD - - - -

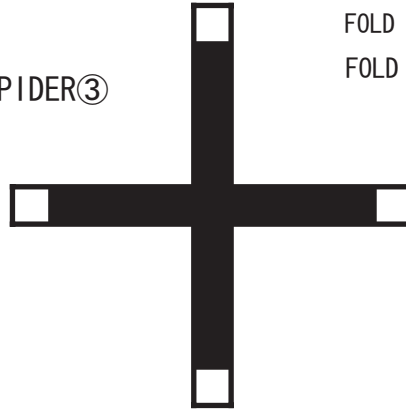
CUT ———

FOLD UP INWARD - - - -

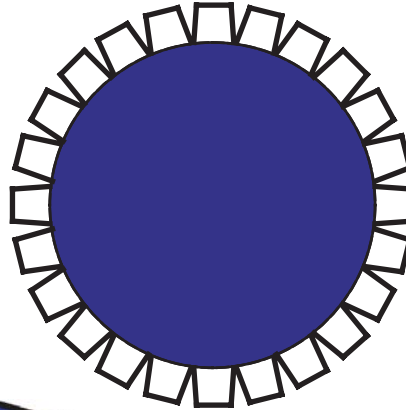
CUT A HOLE (⊗)

2cm = 4m

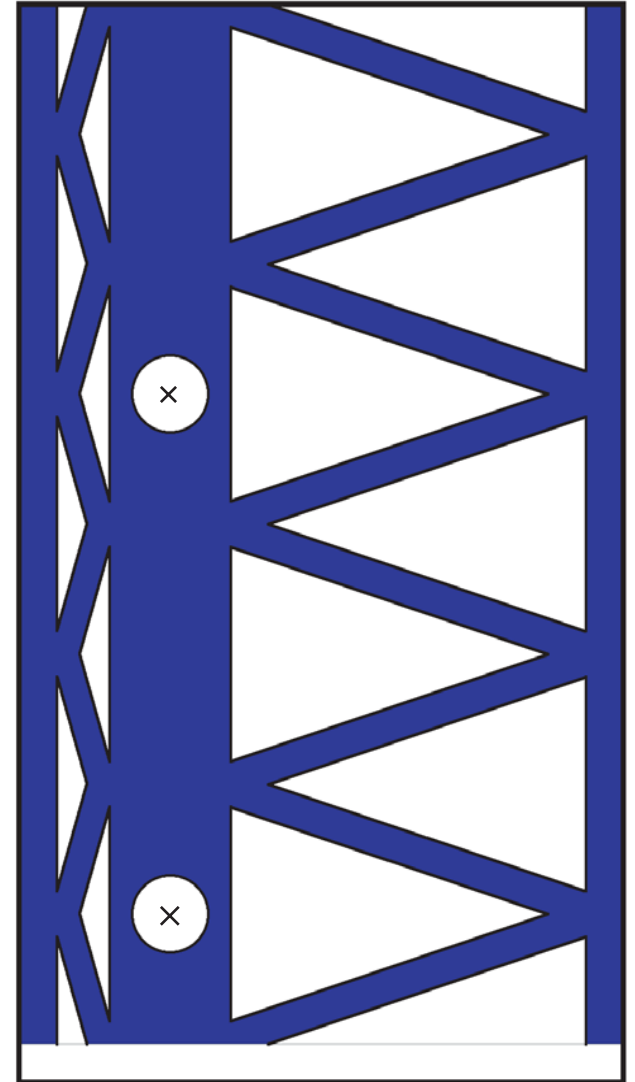
SPIDER^③



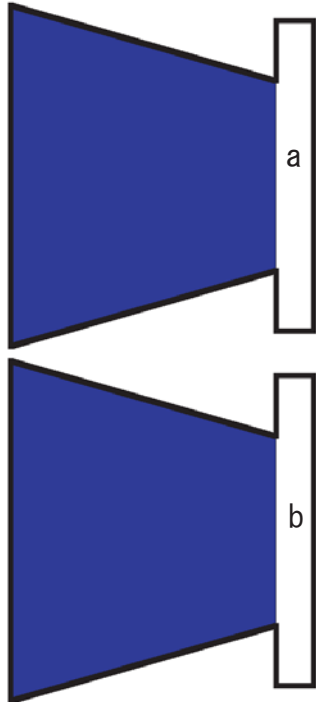
PRIMARY MIRROR CELL^②
PUT ALUMINUM ON THE BACK



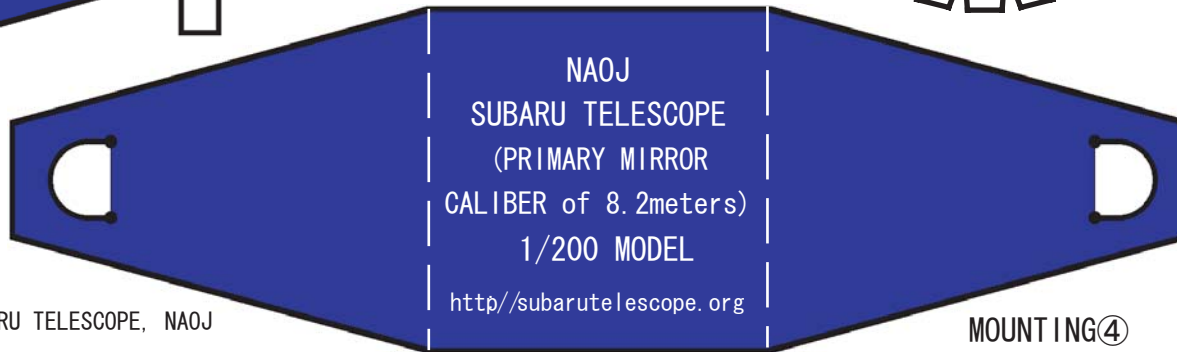
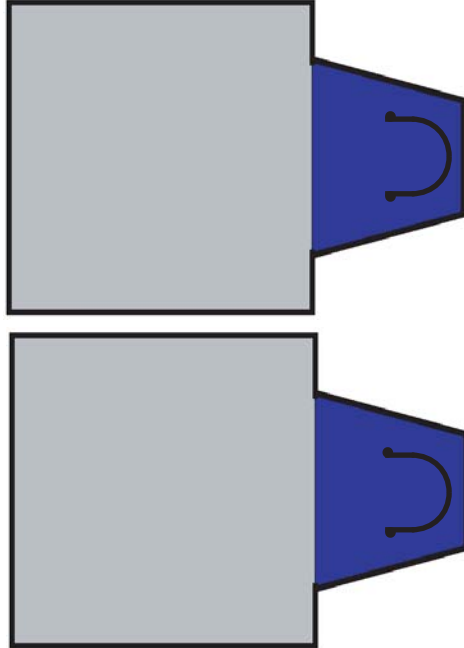
MIRROR TUBE^①



NASMYTH SUPPORTS^⑥



NASMYTH PLATFORMS^⑤a, b



MOUNTING^④