

NASA's James Webb Space Telescope Model

Intended for ages 10 and above

Modification and Preparation List

Adapt this NASA activity for your needs!

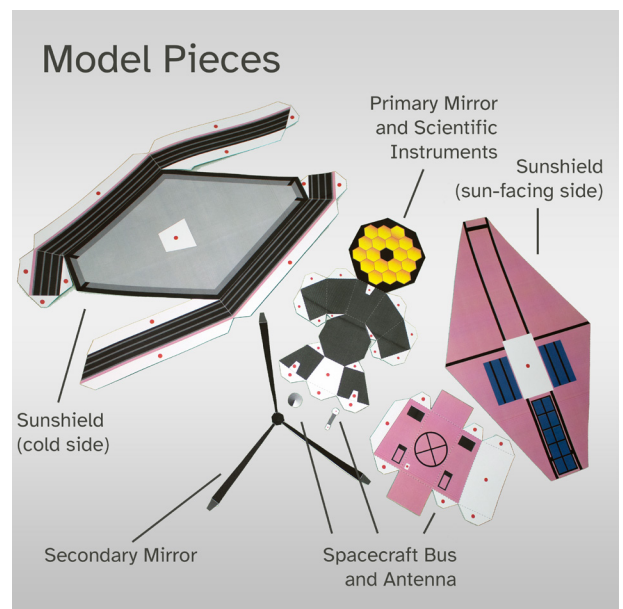
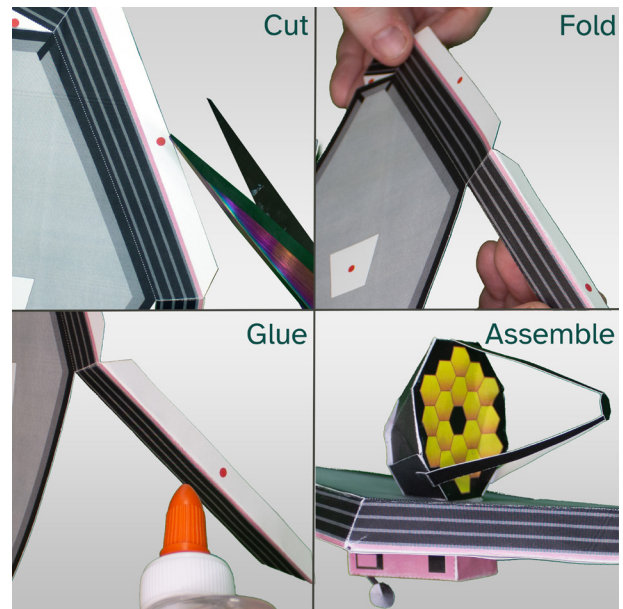
In-Person Library or Outreach Program

Materials

- Paper for printing model (cardstock recommended)
- Adhesive for attaching model tabs (glue/glue stick, double-sided tape)
- (Optional) TV or projector

Preparation:

- Before your program, print and construct the model yourself. This model has many tabs that need to be folded and glued, familiarity with the model will help you help your program participants if they get stuck!
- Print enough copies of the JWST Model for program participants.
- Familiarize yourself with the main elements of the JWST by reading the JWST Model blog on STAR Net. The three main elements of the real JWST correspond to different pages of the model printout: the spacecraft bus and sunshield (pages 1, 2, and 3) and the Integrated Science Instrument Model and Optical Telescope Element (page 4).
- (Optional) This model can take up to a half hour to complete. Consider using a projector or television to show videos like the Elements of Webb playlist or the episode of Real Engineering on JWST provided in the STAR Net blog post for this activity while participants build their model!



Take & Make

Material List (per kit):

- Printed copy of [JWST Model](#) (cardstock recommended)
- Safety scissors
- Adhesive (glue stick, glue, double-sided tape)
- Baggie or envelope for holding kit (manila envelopes work great)
- (Optional) Printout with link to the [how-to video](#)
- (Optional) Printout of [JWST Diagram](#)

Preparation (per kit):

- Gather materials and assemble kits (Refer to [STARNet's Best Practices for Take and Make Kits blog for](#) extra advice).
- Consider advertising the availability of your kits through social media (Facebook, Instagram, Twitter).
- Invite your patrons to tag your library on social media in photos of the completed model so you can share to your social media channels.

