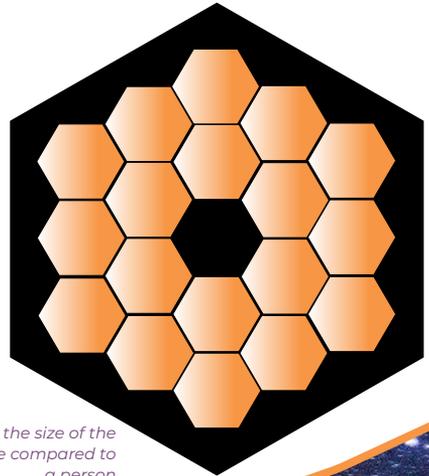


Getting The James Webb Telescope To Space

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The James Webb telescope is **huge**, so how does it get into space?

The base of the James Webb Telescope is roughly the size of a tennis court and scientists have had to figure out a way to blast it up into space. How? **Fold it up and unfold it when it is in space!**



This shows the size of the telescope compared to a person

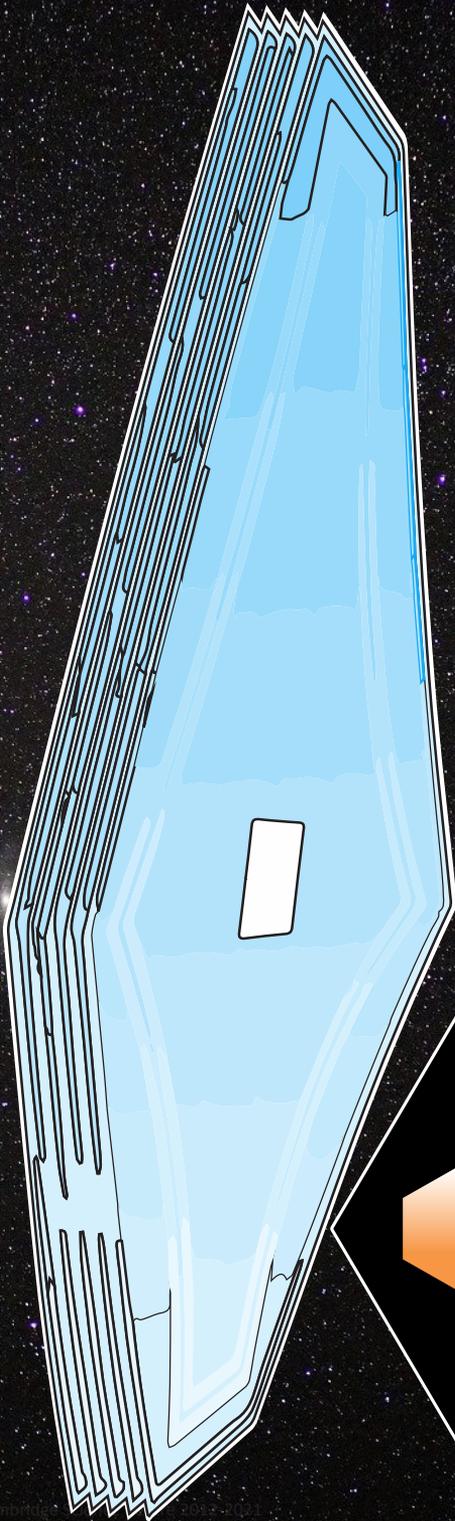
What to do

1. Cut out the template along the white lines.
2. Take the rectangular template and wrap it around a loo roll tube. This will be your rocket. Secure with sticky tape.
3. Fold the blue tab over on the mirror piece and use it to stick the mirror piece to centre of the solar shield.
4. Fold your assembled template up as neatly as possible so that it fits inside the loo roll tube.
5. *Optional:* Attach two pieces of string to the solar shield and see if you can design a fold that allows you to pull the telescope out of the tube and unfold it just by pulling on the string.

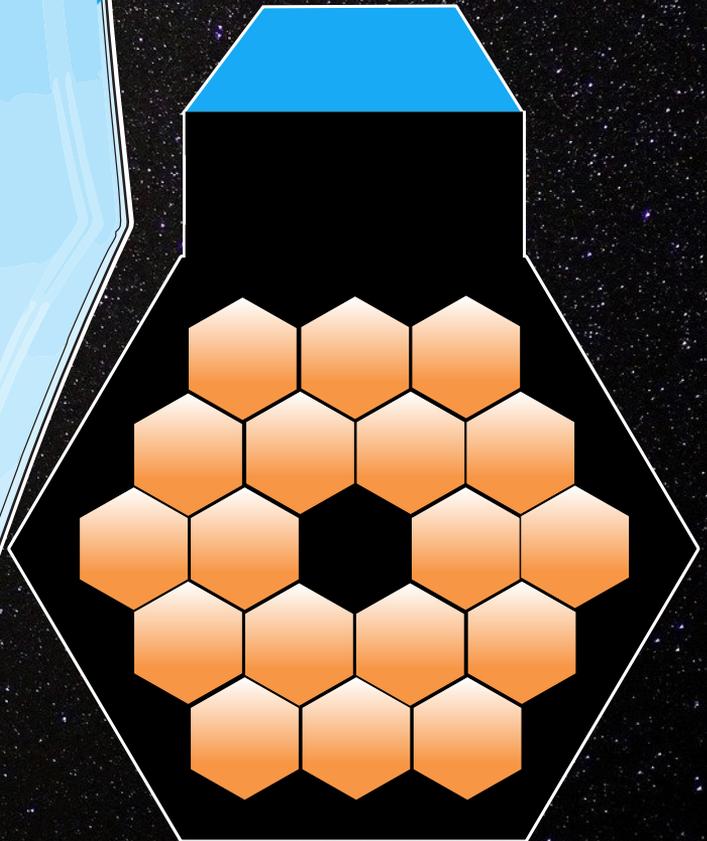
What you'll need

- Templates
- Loo roll tube
- Sticky tape

Solar shield
22m x 14m



Primary mirror
Height: 6.5m
Mass: 705kg



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