

Designing a Command Module

Supplies You'll Need: Any clean, recyclable items that you find around your house, for example: paper towel or bathroom rolls, paper plates and utensils, plastic cups, bottles, caps, etc...aluminum foil, paper and/or plastic bags, party supplies – like hats, balloons, streamers, wrapping paper; paper clips, envelopes, old stuff from your garage like string, rope, twist ties, wire, strong tape, glue – anything works – get creative!!

Before You Begin: Think about your design, it helps if you make a plan, or drawing. Here are some things to think about.

The NASA Artemis Mission – Return to the Moon by 2024!

Imagine that you are part of the new Artemis Mission team, designing a Command Module that will help astronauts return to the moon by the year 2024.

Your Command Module must:

- **Have a way of moving through space on its own**
- **Have space for the crew to live (sleep, eat, work, and pilot the space craft) for 10 days or more**
- **Connect to or carry a Lunar Lander**
- **Have at least 1 hatch where astronauts can get in and out safely on Earth, AND a way for astronauts to safely get into and out of the lunar lander while in space.**
- **Survive re-entry into Earth's atmosphere and land safely in water or on land (your choice).**

Take a few minutes to think about what your ship will need. Imagine what it will look like.

Draw the exterior (outside) of your command module below, and label the important parts!

Use this drawing to guide you as you build. When you're finished, take a picture of your craft and share it with us!

We'd love to see what you've done! You can share here: https://cap.ucla.edu/aia_submissions/