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/](https://cap.ucla.edu/aia_submissions/)