

CONTEST OF CHAMPIONS

TASK 2: DESIGN A SPACE STATION

Purpose:	Use your creativity, artistic, and engineering skills to imagine how we might meet the needs of people for an extended time in space.
Steps:	<ul style="list-style-type: none">• Decide what your space station will need. How many people will live there? How long will the space station be away from Earth? What will people eat? Where will they sleep? What will they do for fun? What will your space station use for power?• Design a space station.• It can be drawn on a poster, made out of cardboard, constructed using Lego's, etc.• Label the different parts of the station• Attach a 3x5 card to your design that tells: 1) The name of the space station; 2) How many people it is designed to house; 3) How long it will be used to sustain life in the future
Tips:	<ul style="list-style-type: none">• Plan on completing this project three times. First, a draft, then a revised design, and then a final design.• If you construct an actual model, leave the top off so that it is easy to see what is on the inside• Take photos throughout the process.• Make it look professional. Have an adult check your spelling before making the final design and take your time with drawing lines and coloring.• No Death Stars!

Parent Corner:

1. Make sure they've completed the first step before actually beginning to design the space station.
2. Help make sure everyone on the team contributes to the project.
3. They will need to record this design so keep it in a safe place until the team gets to Task #7.