LA COUNTY LIBRARY

Activity Idea

Space Mission

Recommended age level: Grades 1 – 8

Congratulations! You have been selected for an important mission to space.

You have boarded your spaceship which you will be unable to leave until the end of the mission. Your spaceship is equipped with some devices to contact Earth, but you cannot visit earth.

NASA is counting on you to perform important research and maintenance. Below is a list of your daily tasks and ongoing projects.

Grab a notebook and record your daily log. Keep all accounts of your mission. Good luck!

Ship Tasks:

1. **Eat Space Food** – draw or describe meals prepared on your spaceship
2. **Assign Jobs** – who is the captain, navigator, medic, engineer, cook, etc.
3. **Uniforms** – create your crew's uniforms. Draw or describe.
4. **Design Ship** – designate rooms in your ship to be the cockpit, sleeping quarters, galley, etc. Draw blueprints of the ship's design
5. **Equipment Maintenance** – All equipment on your ship must be tested and cleaned regularly.

Space Mission Projects:

1. **Where to?** – meet with your crew and decide on your destination! Mars, the moon, or even a galaxy far away! When you reach your destination report on the location, life forms, and your adventure.
2. **Research** – Look up past and ongoing projects conducted on the International Space Station https://www.nasa.gov/mission_pages/station/main/index.html
3. **Gravity Tests** – Make a hypothesis and test gravity. You could make marble runs, inclined planes, or varied wheel sizes on different terrain textures.
4. **Will It Float?** – Build your own boats out of craft materials (like paper, tin foil, and popsicle sticks). Time how long they float in a tub of water. Test how much weight each boat can hold (using coins, marbles, or pebbles)
5. **Any other projects you want to study!**