

Grade Level: 2-3

Curriculum: Explorations, ADST

Title of Lesson: Robots from Space!

Learning Goals/Objectives:

- Identify needs and opportunities for designing, through exploration

Materials Needed:

- Internet Access
- Pencil and Paper

Activity Instructions: (Step by Step)

- Last week you designed a moon colony. Good for you! Canada has a long history of space exploration and innovation that you're living up to! Watch this video to learn more about Canada's history in space:
https://www.youtube.com/watch?v=Sbf1Svw_rTY
 - The name of the first satellite in space was Sputnik. The name means "travelling companion". The second satellite was named Explorer. The third one, which was launched by Canada, was named Alouette. Looking online, can you find out what Alouette translates to in English?
 - Can you find a theme in the names of these early satellites?
- What is the name of the Canadian invention that helped to assemble the Space Station?
- How many robots made by Canada were you able to count in the video?
- Can you think of a Robot that you could use to help build your space colony? What would it look like? How would you get it to the moon?
 - Draw pictures of your robot in action at the colony, and how you would get it from Earth to the moon!

Extensions (Optional):

- On a clear skied night, you can actually see the International Space Station as it orbits the planet. Visit this website to find out where the Space Station is right now!
 - https://spotthestation.nasa.gov/tracking_map.cfm