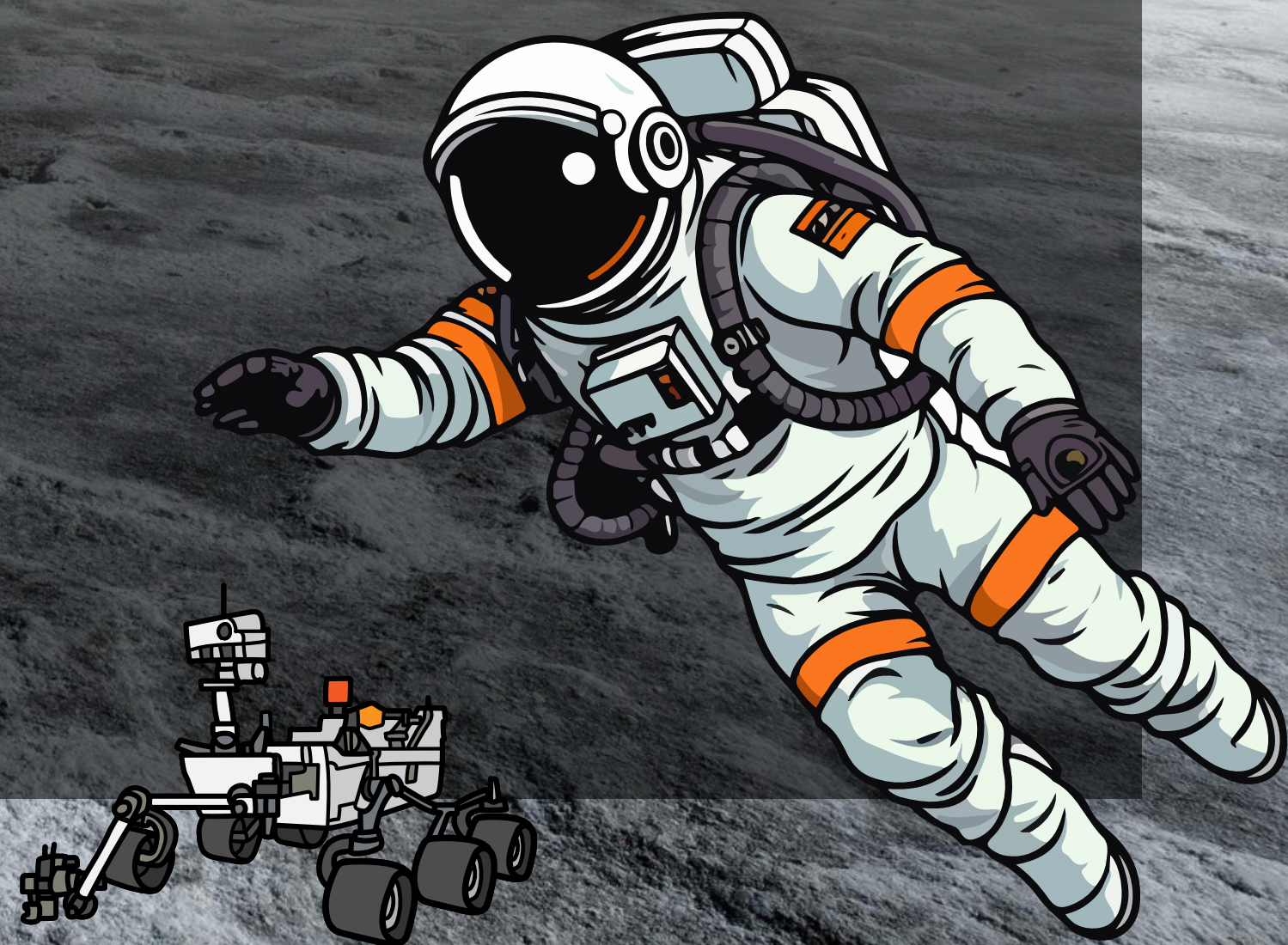


NGen Youth STEAM Activity

Careers in Space Exploration



Sustainable Development Goals

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



15 LIFE ON LAND



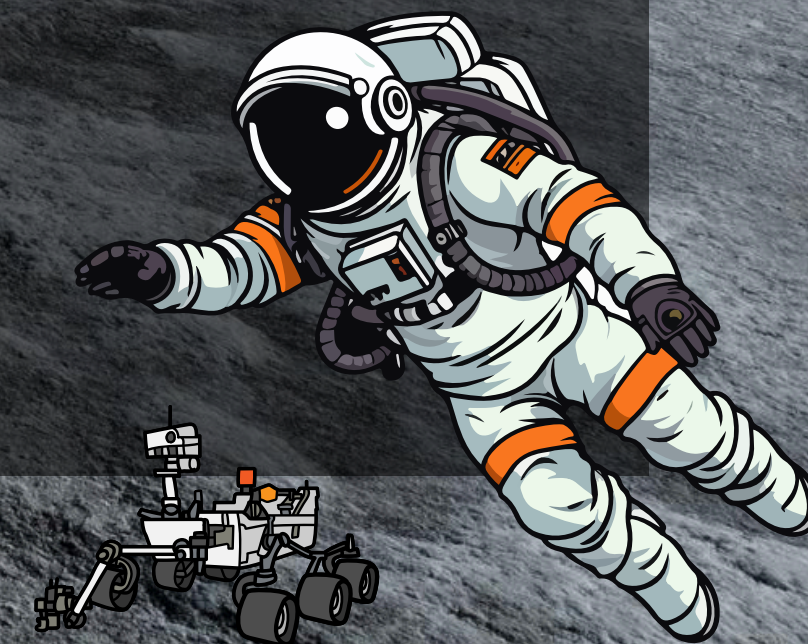
17 PARTNERSHIPS FOR THE GOALS



Future Explorers: Careers in Exploration

Project Objective

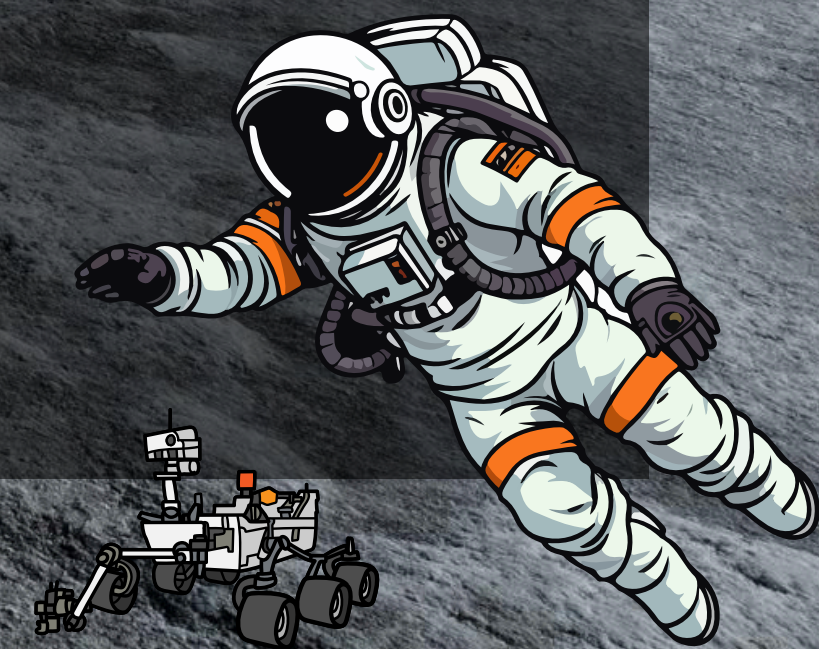
To explore the career opportunities in the field of space exploration and mining



Future Explorers: Careers in Exploration

Learning Outcomes

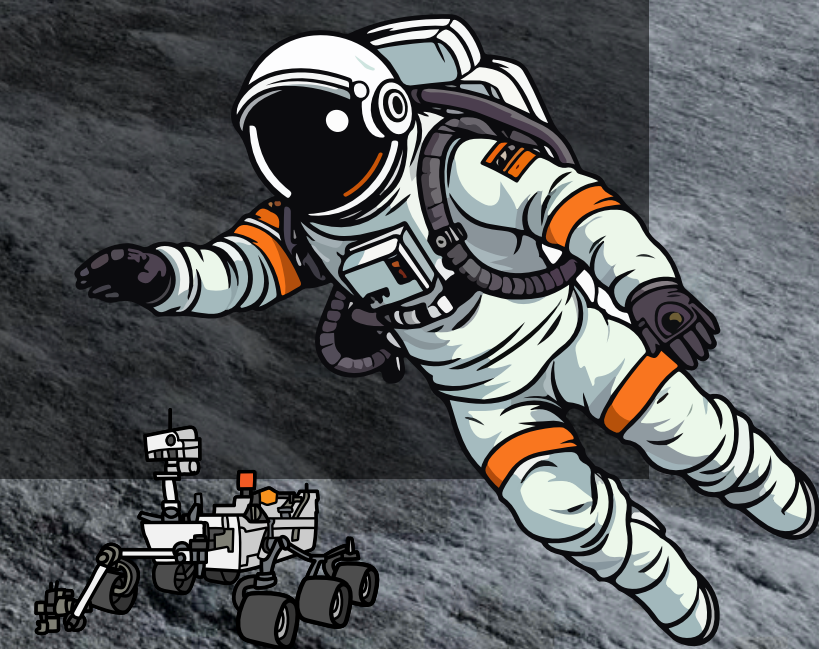
- Gain awareness of career opportunities
- Develop research skills
- Foster creativity and imagination
- Engage in critical thinking
- Promote awareness of global issues



Future Explorers: Careers in Exploration

Materials Needed

- Access to research materials
- Optional
 - Art supplies
 - Video recording equipment



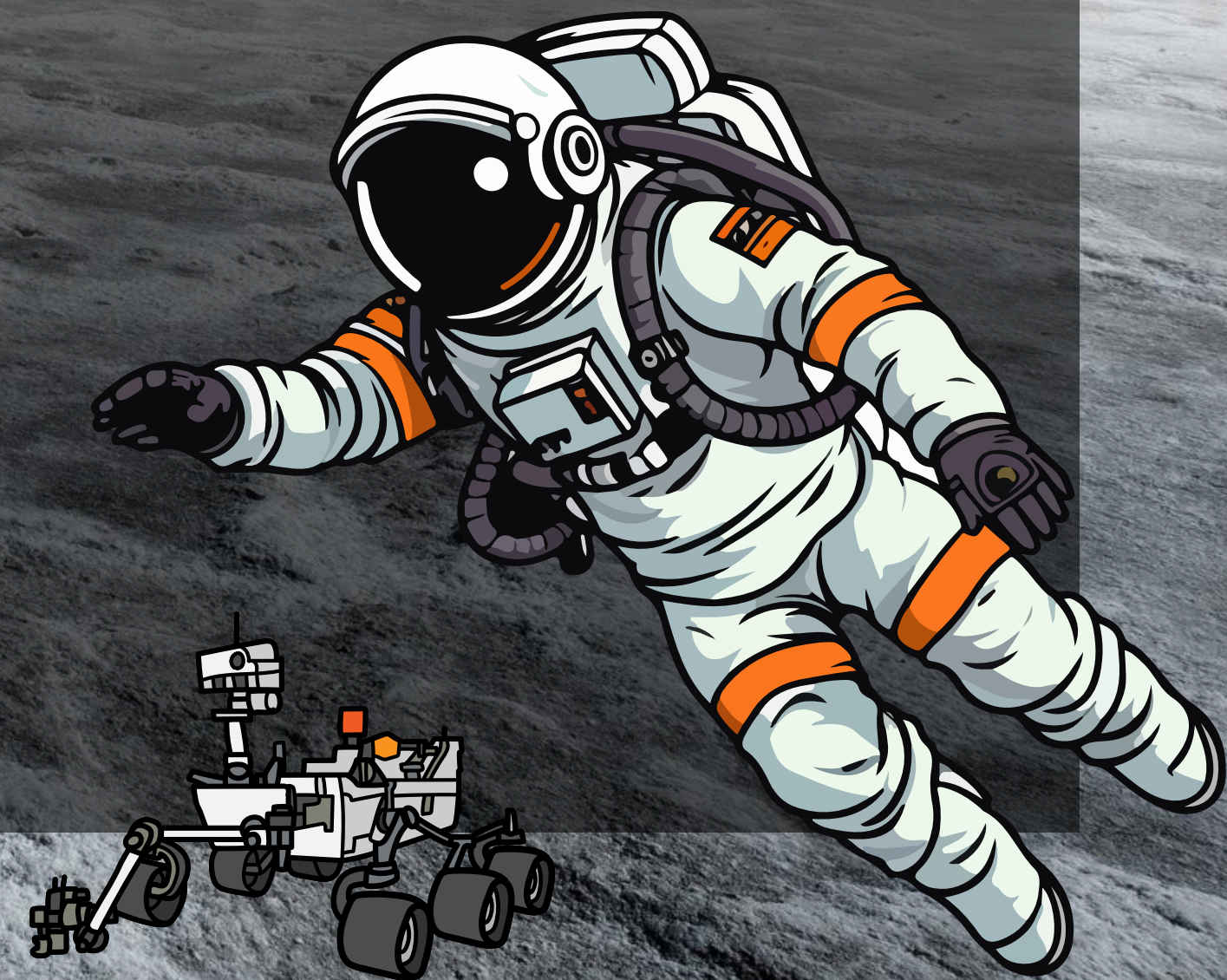
Future Explorers: Careers in Exploration

Project Outline

Part 1 - Class Discussion

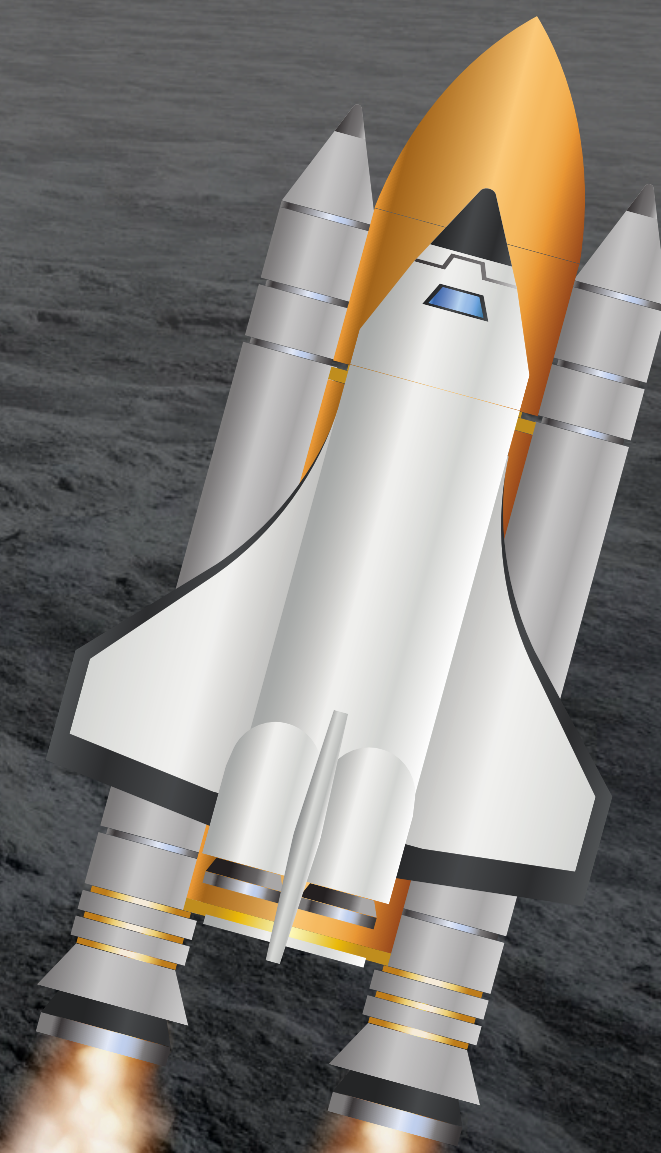
Part 2 - Career Research

Part 3 - Career Showcase



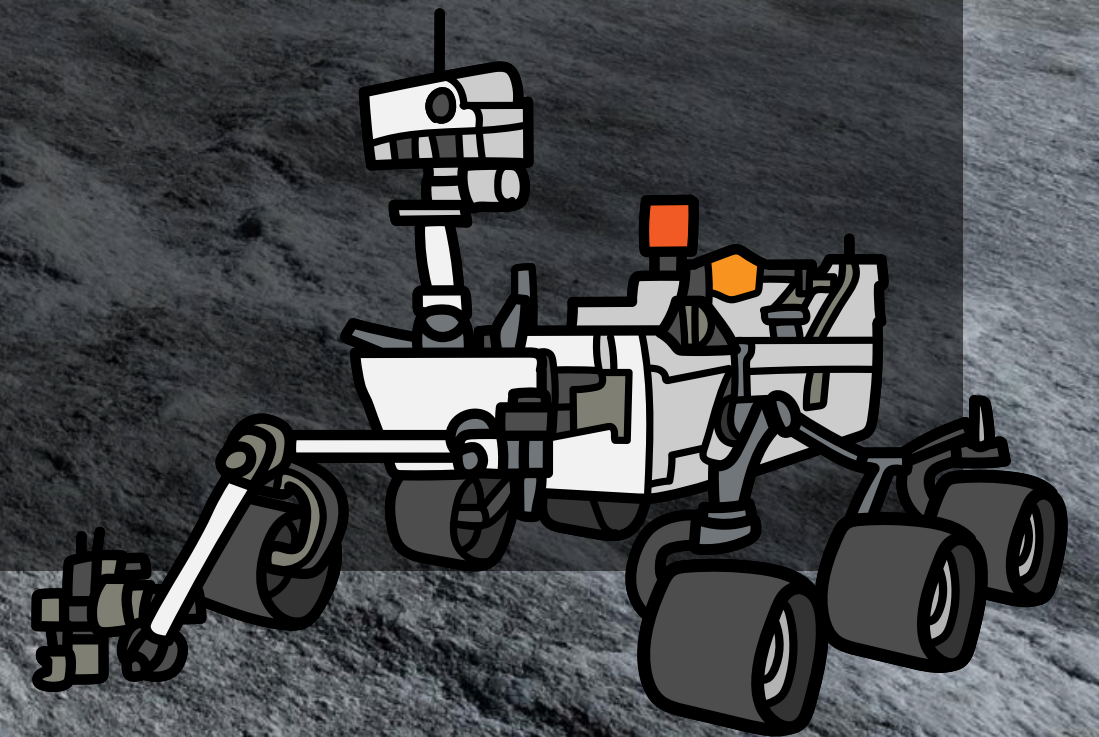
Let's Get Started!

Part 1: Discussion



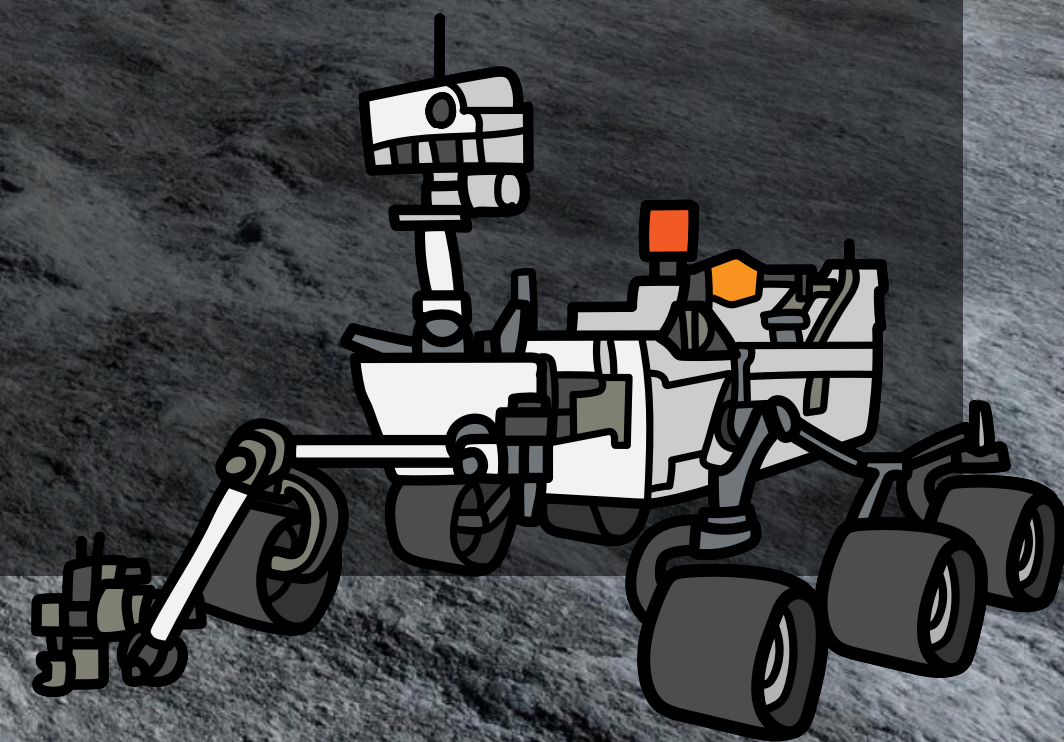
Discussion Question

What is Space Exploration?



Discussion Question

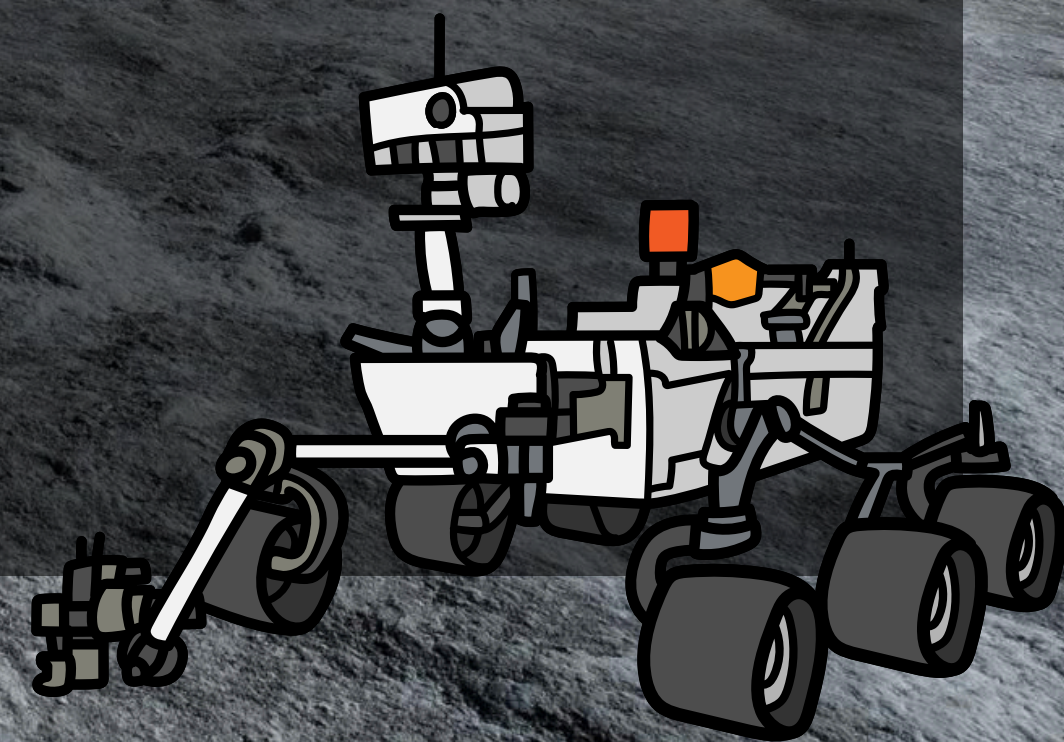
Why is Space Exploration
Important?



Discussion Question

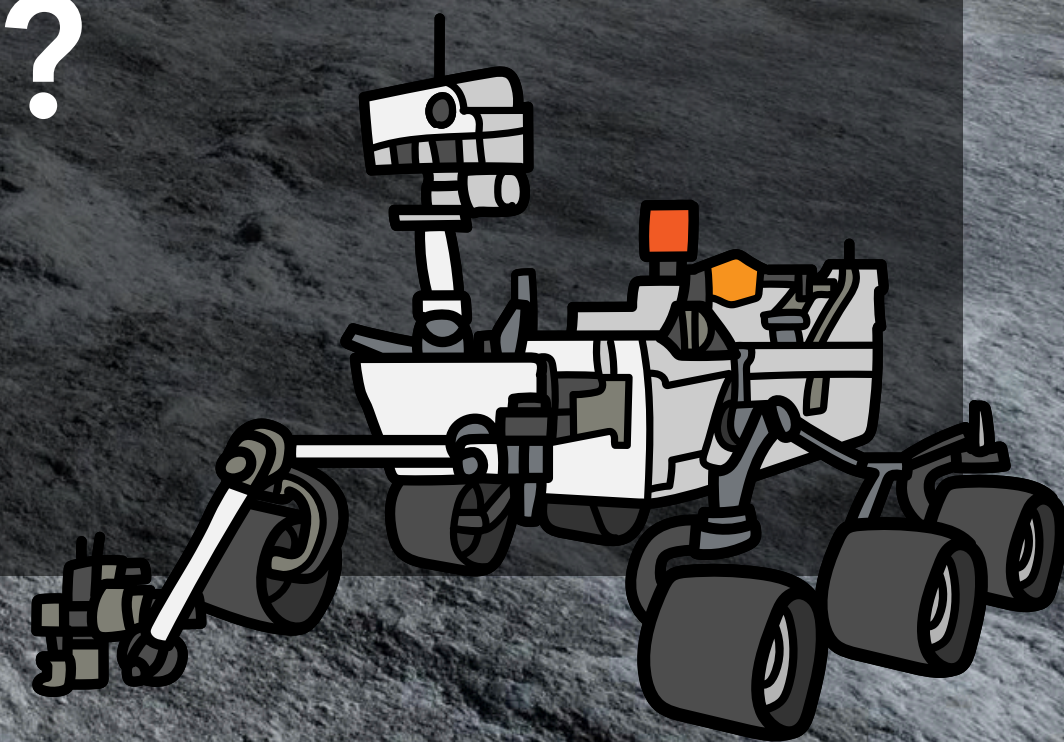
Can you name some traditional roles in space exploration?

What about emerging roles?



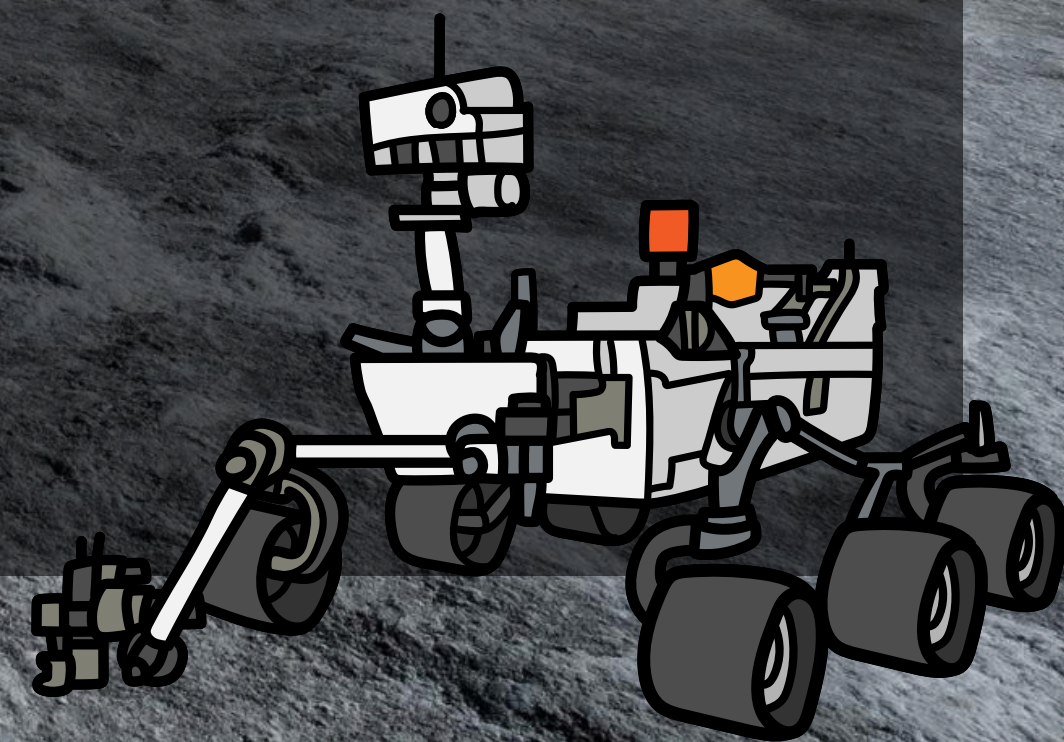
Discussion Question

How can different areas of expertise, such as science, engineering, and law, collaborate to advance space exploration efforts?

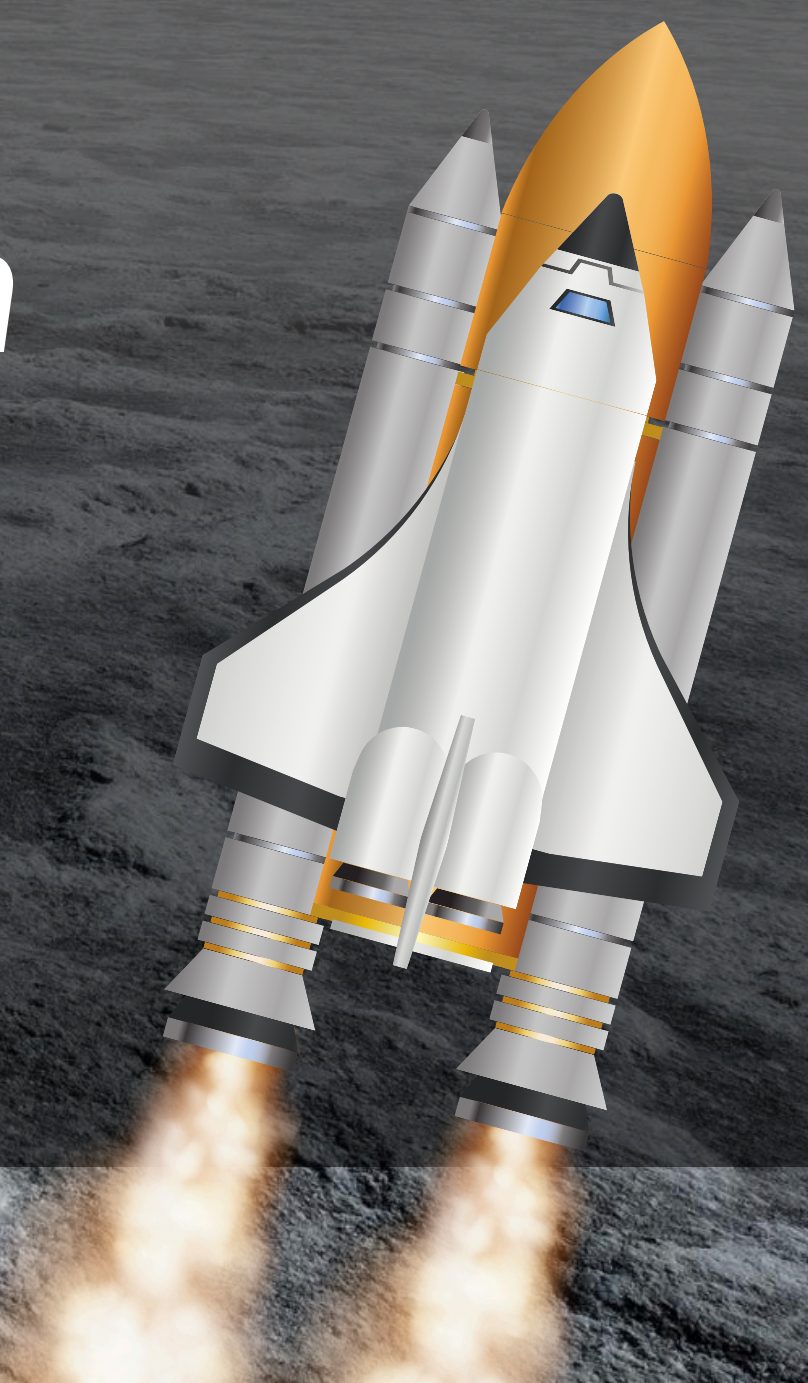


Discussion Question

If you could create a job related to space exploration, what would it be?



Part 2: Research



Research

Become an Expert!

Choose a Career or an Area of
Expertise to focus on

Or

Become a Career Designer!

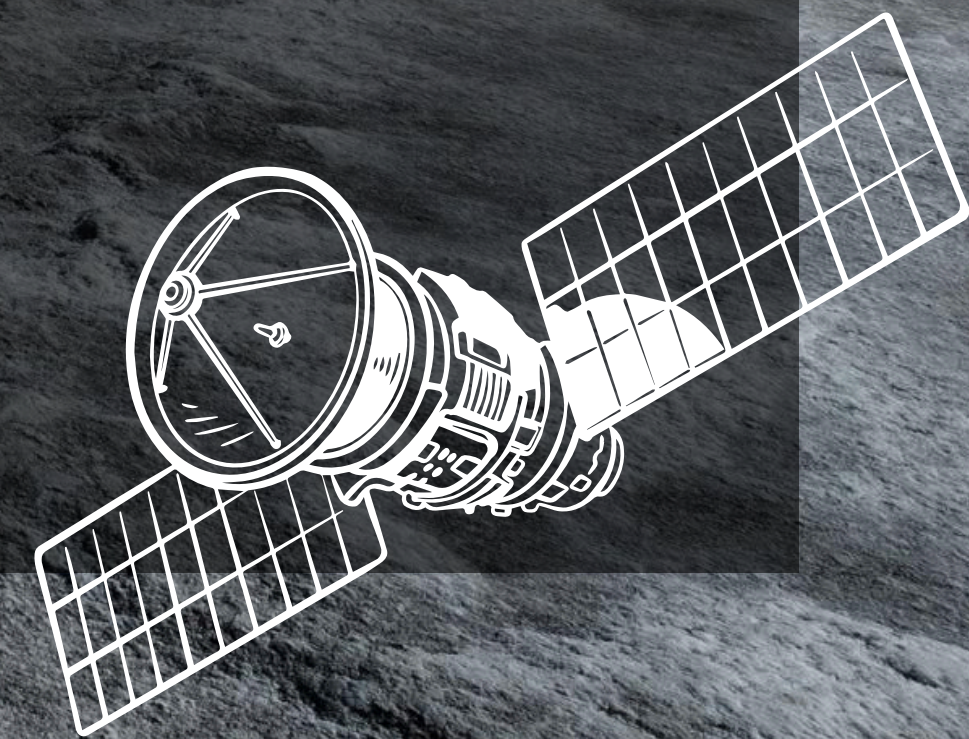
Design your own career related to
space exploration

Career List

- Astronauts
- Scientists
- Engineers
- Technicians
- Astrophysicist
- Aerospace Engineer
- Space Miner
- Lunar Base Manager
- Space Habitat Designer
- Space Architect
- Robotics Engineer
- Lunar Geologist
- Space Lawyer
- Space Photographer
- Space Mission Planner
- Journalist/Reporter
- Space Biologist
- Space Medicine
- Space Environmentalist
- Space Policy Analyst
- Space Communications Specialist
- Space Psychologist
- Space Law Enforcement

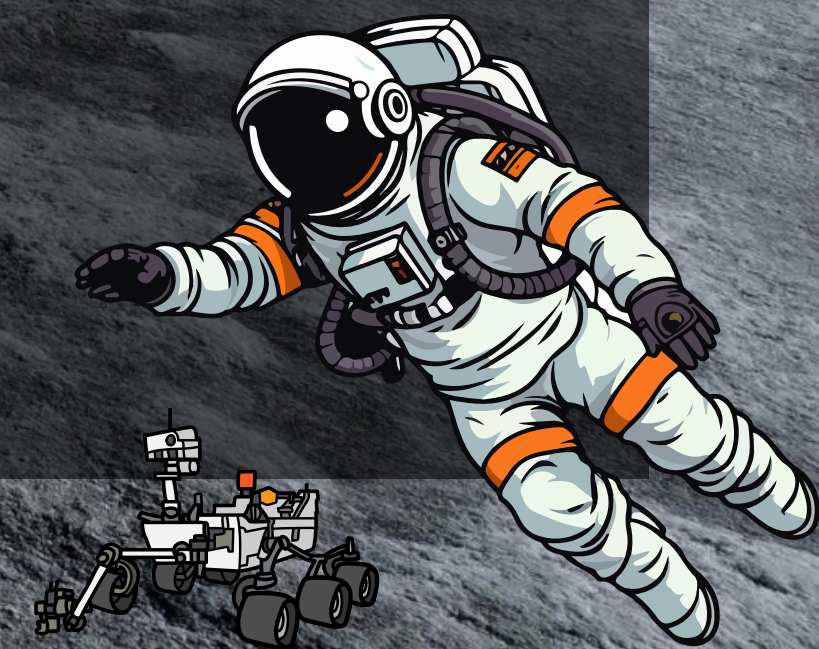
Research

What are the day-to-day tasks and responsibilities of professionals in this career?



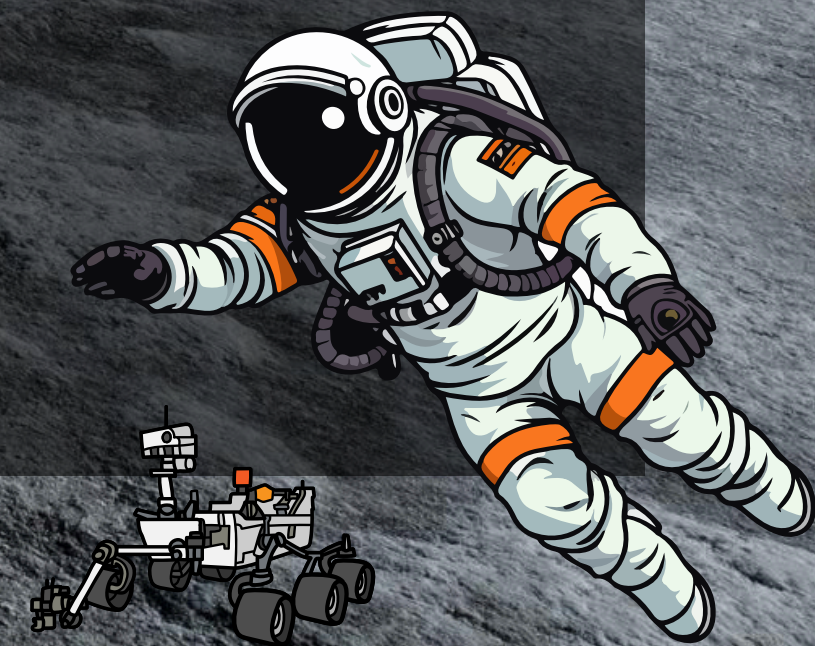
Research

How do they contribute to space exploration and mining efforts?



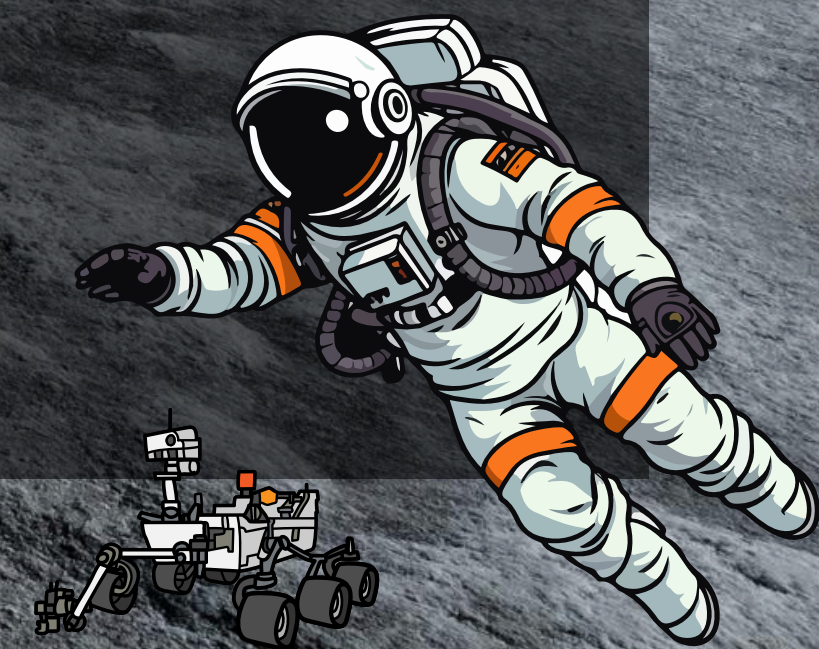
Research

How does this career involve collaboration with other professionals in different fields?



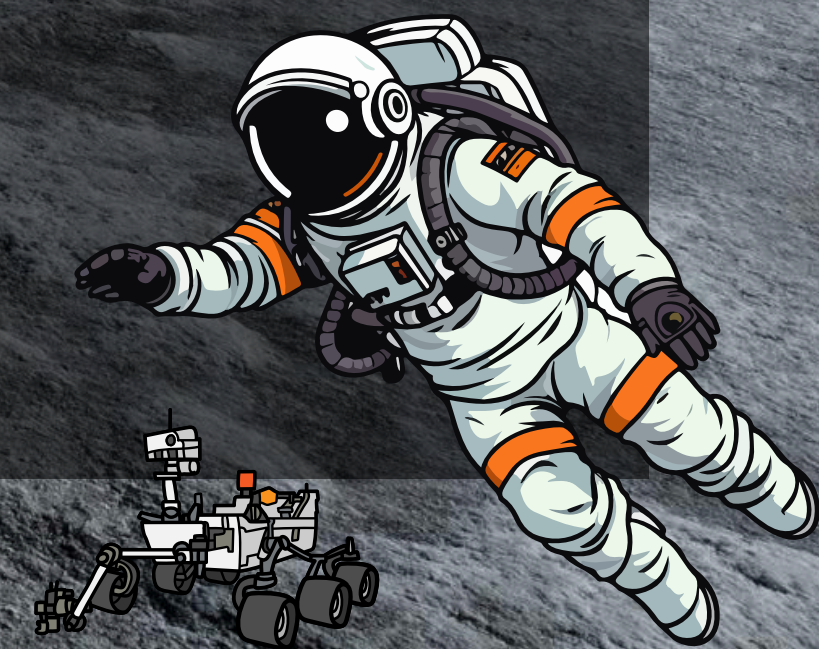
Research

How does this career address sustainability and environmental concerns in space exploration and mining?



Research

Provide examples of successful projects or missions led by professionals in this career



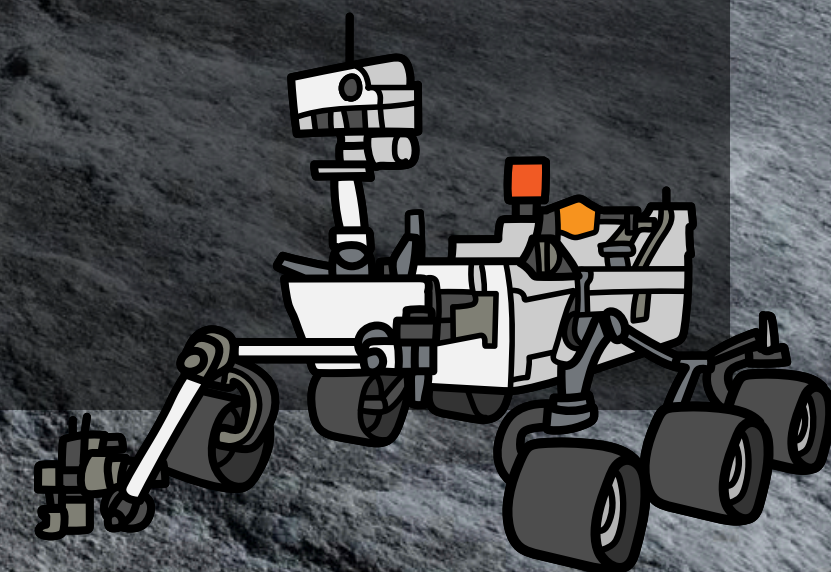
Part 3: Career Showcase



Career Showcase

What to highlight in your showcase:

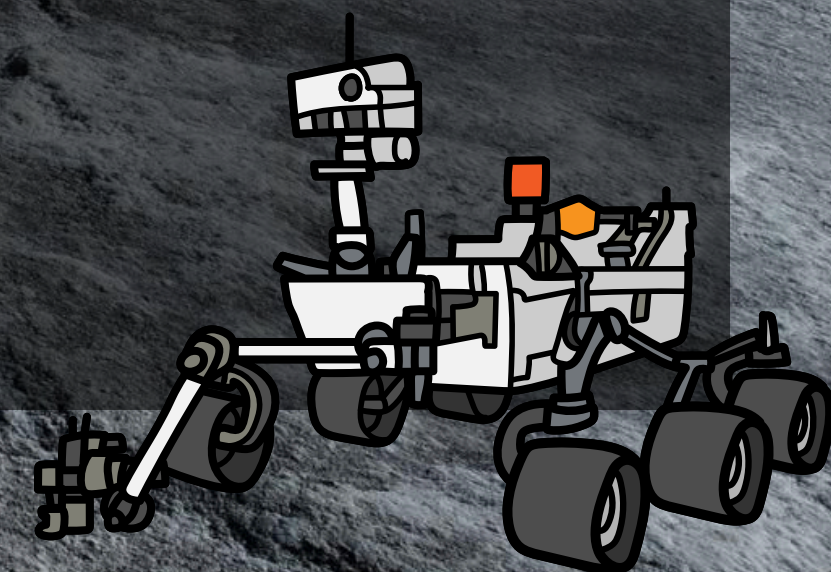
Introduce your career and its significance
in space exploration and mining



Career Showcase

What to highlight in your showcase:

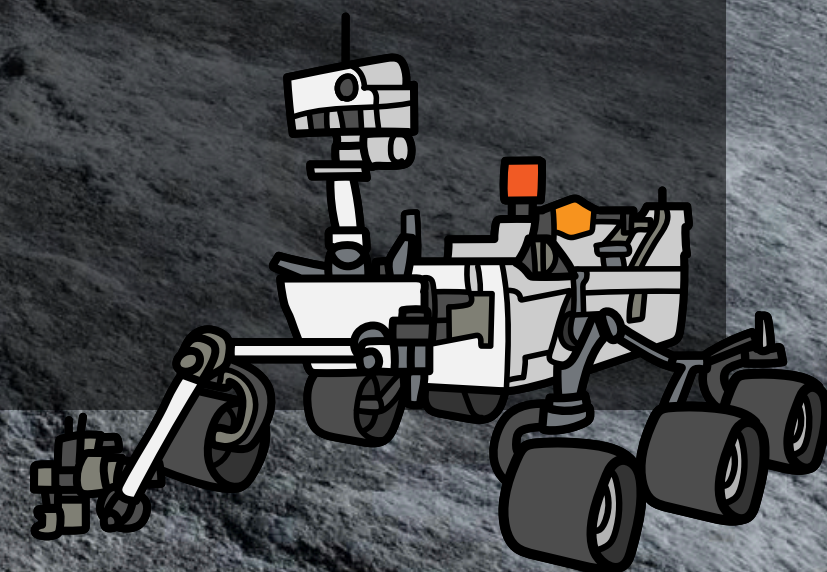
What are your responsibilities?
How do they contribute to the mission
of space exploration and mining?



Career Showcase

What to highlight in your showcase:

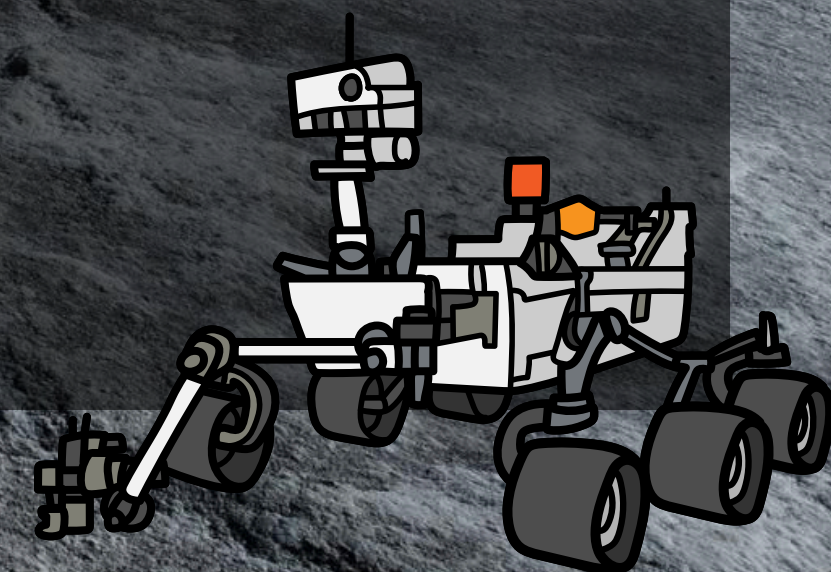
What skills are necessary in this career?



Career Showcase

What to highlight in your showcase:

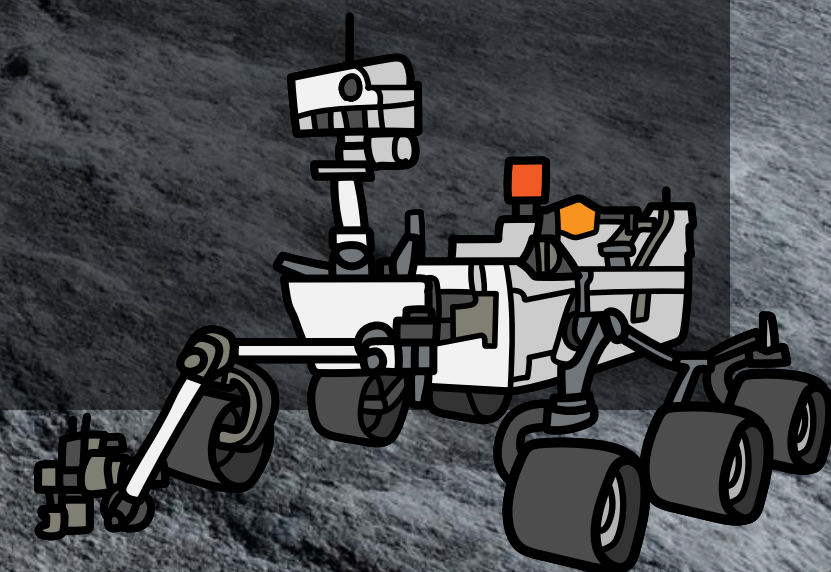
Provide examples of projects or missions related to this career



Career Showcase

What to highlight in your showcase:

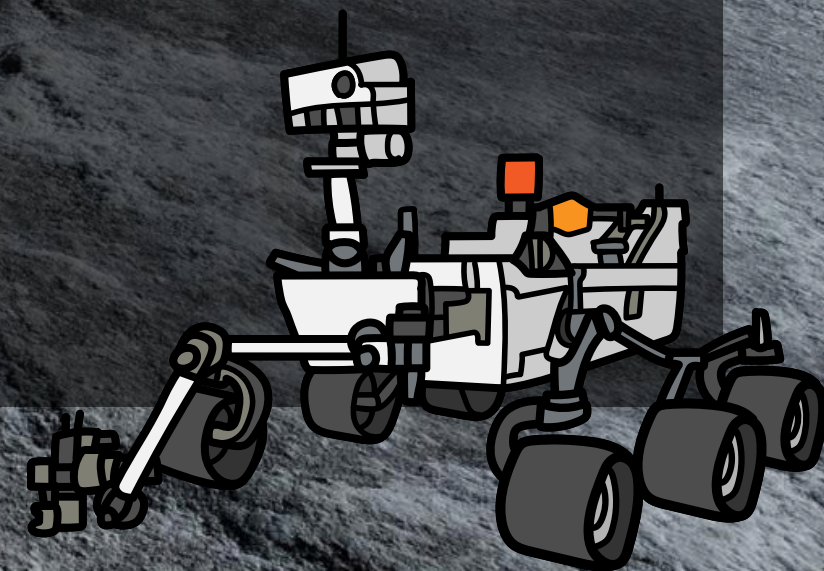
What impact does this career have on society, technology, and the future of space exploration?



Career Showcase

What to highlight in your showcase:

How does your career contribute to sustainable practices in space exploration and mining?



Career Showcase

THANK YOU FOR PARTICIPATING!

Did you discover and/or create a future
career in the space sector?

Share it with us at

communications@youthculture.com.

