



STEAM Team Science Lesson

May

- What are we learning today? **Mars Rover Challenge**
 - ☐ Your mission is to retrieve a Science sample from Mars
 - ☐ Using a pretend Rover (you and your partner linked by arms)
 - ☐ Mission Team: 1 Person- Mission Control, 2-Person Rover 1-Person Command Runner

Materials:

Cups (Use as rocks)

A sample to collect (can use another cap or any item to retrieve)

Handouts



Mars Rover Challenge!

Background information: You and your team of four are going to take on roles to complete the Mission to Mars Challenge.

Be sure to work together and listen to each other

You must collect the Science sample and return to base. There will be obstacles on the way. Be sure to not touch the obstacle or you and your team will need to start over.

Person 1: Mission control is the person who has a very important responsibility. To make sure Rover gets to the sample and back.

Person 2 & 3 The Rover: should only have listening ears. NO talking. You are a machine!

Person 4: The command Runner: is at the Science sample end. The command Runner will give the instructions to the mission control person that is guiding the Rover to the sample.

Good Luck!!

Allowed Commands are

- The number of steps
1,2,3.....**
- Directions such as:**

↑ Forward

→ Right

← Left

↓ Back

Retrieve the sample (bend down to collect sample)

No limit to the number of commands given.
Once a command is given it must be followed.