



Celebrate the 20th anniversary of the Town of Ramapo Challenger Center



Family-oriented hands-on STEM activities



**Save the Date!
Sunday, November 17
at 2:00 pm**

Join us on a **Journey to Mars**

Explore five phases of the Mars settlement process:

- ◆ design an interplanetary rocket
- ◆ launch and land on Mars
- ◆ study the effects of microgravity
- ◆ learn about living on Mars
- ◆ experience working on Mars

Who can join the mission?

- ◆ Elementary and middle school students
- ◆ younger students accompanied by an adult
- ◆ adults of all ages

**To register for this FREE event contact
Commander John at 845-357-3416 or**

huibregtsej@ramapo.org

225 Route 59, Airmont, NY 10901



Mars Day Overview

Congratulations!

You have been selected
to help plan the first human mission to Mars.

As a NASA specialist,
YOU will manage the Mars settlement process:

Getting There

- ◆ Design and equip your Space Launch System Rocket
- ◆ Launch successfully and get to Mars safely

Studying the Effects of Reduced Martian Gravity

- ◆ How would it affect your body?
- ◆ Would your crew be able to function in Martian gravity?

Living on Mars

- ◆ Learn what components you need for your Mars settlement
- ◆ Select the best location for each component of your settlement
- ◆ Create a model of your crew's living quarters using a 3D Printing Pen

Working on Mars

- ◆ Build and program your Mars rover
- ◆ Use the rover to collect rock samples, test for radiation, visit a crater, and search for water

Unleash your inner astronaut!
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