Welcome to Astronomy Camp 2019

We will take a closer look at the moon and celebrate the 50th anniversary of us landing on the moon. The moon landing prompts a series of questions we will ask in more detail during camp: What do we need to do in order to extend human presence in our solar system? What would you need to know to build a sustainable community on Mars? How would you create your own survival kit? Current technologies to help us dive into travel in space are both virtual and augmented realities. We'll explore how virtual reality can be used to train astronauts and how augmented reality can help us to build spacecrafts. And of course, we'll build and launch rockets.

Here is an outline of what we will be doing for the two days and one night of camp:

Tuesday, April 16th	Thursday, April 18th
9am Museum Opens: Sign in and drop off payment. Students can come early and walk around museum. 9:30am ice breaker games	9am Museum Opens: Sign in. Students can come early and walk around museum. 9:30 Rocket Building Cont.
10am Humans in Space / AV & RV technologies	10:30am Humans in Space/ AV & RV technologies
12pm Lunch: Please provide bagged lunch And water bottle.	12pm Lunch: Please provide bagged lunch And water bottle.
12:30pm Solar Telescope and Observation Activity. Optics, Lens and Light Unit	12:30pm Rover Activity on Main Floor
1pm Infrared Cameras and wave lengths	1pm Extreme Temperatures and Gases
2:30pm Missions Report out: Mars InSight Lander	2:30pm Missions Report out: BepiColombo mission to Mercury
3pm Rocket Building Workshop	3pm Get ready to head to the Rankin's 3:30pm Rocket Launching
4:30-5pm Crater Discussion/Planetarium	5pm Done or until last rocket launches

Wednesday, April 17th Northern Skies Observatory in Peacham, 6pm-9p

We are adding an astrophotography activity to the Observatory visit. We will learn about how to photography deep space objects and how to expose them in order to see them. Directions are in the email and please meet us there. Feel free to bring along your own telescope if you have one. If the weather is clear, we will take photos with the deep space object telescope.

Taught by:
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