

NASA @ My Library

We're bringing NASA to you! Join us for a series of guest speakers and hands-on activities from Baylor College! We'll be closed for each of these awesome events, and hope you'll join us in the Community Room! These events are open to ALL AGES!

March 12, 2018, 2-3 PM

“Is there Weather in Space?” with Dr. Trey Cade, Director of Baylor Institute for Air Science

The sun emits electromagnetic energy and particles that interact with the Earth and the Earth's magnetic field. This system of emissions and interactions is called “space weather.” Some of the space weather events that affect us are solar flares and geomagnetic storms, which in severe cases can be extremely dangerous. Space weather can have all kinds of impacts on human technology and our nation's infrastructure – from widespread power outages, to communication blackouts, to dangerous radiation storms, to damaged or destroyed satellites.

March 15, 3:30-4:30 PM

“Making Robot Rovers” with Dr. Scott Koziol, Assistant Professor of Electrical and Computer Engineering

We will discover how a robotic rover, like those used on Mars, is designed. We will explore aspects of autonomous robotic systems and answer questions such as: What does it mean to be “autonomous”? How can a rover know where it is on the planet? How do we make our rover move in a smart way? Participants will build a robot rover using Lego Mindstorm parts.

March 22, 4-5 PM

“Design Your Own Space Vehicle” with Dr. Anne Spence, Clinical Associate Professor of Mechanical Engineering

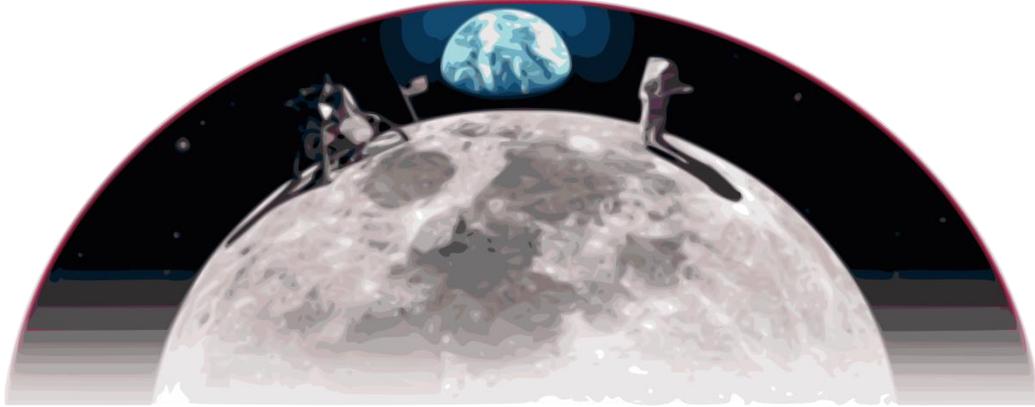
We will explore the history of flight and discuss how some of those aircrafts were designed and how they may need to be different for flight on other planets. After discovering the characteristics that make up an aerial vehicle, we will design our own aerial vehicle for another planet. Other hands-on activities will help participants understand how air flows over different shapes and how that impacts design.

ALSO BE SURE TO CHECK OUT...

The Teen Republic and STEAM Central want you to go to...

SPACE CAMP

MARCH 13-15



Join us for a dynamic week of fun as we travel to the moon and report back on our findings! During this camp, we'll learn more about green screens, video recording and editing, creative writing, design, and of course the moon!

No prior experience necessary. RSVP required; call (325-655-7321), email (Teen.Republic@co.tom-green.tx.us), Facebook message (TGCL Teen Republic), or drop by in person. Legal Guardian must drop child off at camp to sign safety waiver. This is a Teen Republic program, open only to patrons in grades 6-12.

Schedule

Monday, March 12

2-3pm, Community Room

Pre-Camp Kick-Off, "Does it Rain in Space" with Special Speaker, Dr. Trey Cade, Director of Baylor Institute for Air Science

Tuesday, March 13 and Wednesday, March 14

3-5pm, STEAM Central

Workshops

Thursday, March 15

3-5pm, Community Room

Post-Camp Closing "Making Robot Rovers" with Special Speaker Dr. Scott Koziol, Assistant Professor of Electrical and Computer Engineering

Video Viewing Party for Public

NOTE: Special Speakers are for all ages and open to the public; only the workshop days require an RSVP.