

# SCOBEE To-Go

Exploring space in  
your own space.



@SACSCOBEE

Edition 2

July 27-August 7, 2020

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## STEM-TASTIC THINGS TO TRY THIS WEEK:

Magic Monday:: Make galaxy-  
inspired slime

Terrific Tuesday: Build a structure  
you can balance on your nose.

Wacky Wednesday: Build a spacecraft  
from recycled materials.

Thumbs-Up Thursday: Find the  
perimeter of your room.

Fun Friday: Create something on  
Scratch Jr

Share your projects with us at  
**#scobeetogo**

## ENGINEER A ROBOTIC ARM



On Earth, robotic arms can help us in many different ways. We use them to help build cars, work in science labs, and even to perform surgeries or medical procedures. We also use a robotic arm to help build and maintain the International Space Station. Using the QR link, hear from an Engineer on the Mars InSight Robotics Team about what the Robotic Arm on the spacecraft can do.

We're challenging **YOU** to Design and build your own robotic arm at home! Once it's built, challenge yourself to find objects around the house to pick up and move. How can you modify the design to be able to lift more, larger, or smaller objects?

Directions:

1. Find materials at your house like straws, skewers, tape, craft sticks, foil or boxes.
2. Start brainstorming and create your design.
3. Upload a video of your modified design in action and show us what it can do on social media. Don't forget to tag us and hashtag #scobeetogo



## *So You Wanna Be An Astronaut?*

It is always inspiring to hear stories of people who have done amazing things! NASA astronaut Christina Koch returned to Earth after setting a record for the longest single spaceflight in history by a woman. During her **328 days in space**, she completed **six spacewalks**, including conducting the first all-female spacewalk with fellow NASA astronaut Jessica Meir. During her mission, Koch completed **5,248 orbits** of the Earth and a journey of **139 million miles!** After almost a year in space, Koch conducted numerous science experiments on the orbiting lab, including studying the effects of microgravity on plants, combustion, bioprinting and kidney diseases. Christina now resides with her husband in Texas.