

The Daily STEM

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STEM in the News

On Saturday November 14th, four astronauts made history. Crew-1 was the first launch of a full crew from the United States aboard a commercial spacecraft. That means a company (SpaceX), not the government, owns and launches the spacecraft. The Crew-1 flight carried Commander [Michael Hopkins](#), Pilot [Victor Glover](#), and Mission Specialist [Shannon Walker](#), all from NASA, along with Japan Aerospace Exploration Agency (JAXA) Mission Specialist [Soichi Noguchi](#), to the International Space Station. They will carry out experiments and research during their 6 months in space. What would you do if you got to spend 6 months in space? Learn more about the mission:



blogs.nasa.gov/commercialcrew

STEM Challenge

How often do you sit down for dinner with your family? Do you usually eat while staring at the TV or a phone? "Sharing a family meal is good for the spirit, the brain, and the health of all family members" says Anne Fishel. Dinner conversation can even increase your vocabulary, and "stories told around the kitchen table help us build resilience." What can you talk about during dinner? Here's a few starter questions: What was your favorite part of today? What is your favorite book and why? Would you rather live on the moon or at the bottom of the ocean? What invention has most changed the world? For more discussion ideas and recipes to make together, head to thefamilydinnerproject.org



STEM + Careers

Did you ever see a personalized license plate? Some people pay a little extra to get a license plate with a name, word, or favorite team. In the UK, license plate numbers are kept for a lifetime. People even pass down in special plates in families. You can even sell plates, and some rare ones are sold for big money. Recently, plate O 10 was auctioned for £128,800. It was the 10th plate produced in Birmingham back in 1902. What combination of letters and numbers would you want? What's the most creative combination? Learn more: bit.ly/3fbaLf6



How It's Made

Think about items you see every day when you're riding in a car. Roads. Busses. Street signs. Many things are important for our world to work well. Did you ever think about where these items come from? For example, utility poles safely hold wires that allow electricity and internet come to your home. To turn a tree into a pole takes a lot of STEM. Learn how they're made in this video, and listen carefully for STEM words you hear: youtu.be/-R7HckUilVA



The Puzzle

What are the next 2 numbers in the following sequence:
89, 144, 233, 377, 610, _____, _____

Last issue's answer: If 2 sticks touch 3 different ways, then 3 sticks can touch in 31 different ways (or maybe you found even more possibilities)

Mystery Photos

What's under the microscope?
(answer in next issue)

*Last issue's answer:
A sawblade, toast, and a paint brush*

