Science Week: Space

NASA astronauts Bob Behnken, left, and Doug Hurley, wearing SpaceX spacesuits, walk through the Crew Access Arm connecting the launch tower to the SpaceX Crew Dragon spacecraft during a dress rehearsal at NASA's Kennedy Space Center in Florida on Jan. 17, 2020.
Credits: SpaceX

On May 27th at 11:32 (Irish time) NASA and SpaceX will launch the first commercially built and operated American rocket and spacecraft will carry humans to the space station. The SpaceX Crew Dragon spacecraft will launch on a Falcon 9 rocket from NASA's Kennedy Space Centre in Florida. It would be the first launch of astronauts from U.S. soil since the end of the space shuttle program in 2011. NASA has been sending astronauts on the Russian Roscosmos Soyuz Rockets. The 230-foot-tall rocket will take astronauts Bob Behnken and Doug Hurley to the International Space Station in a Crew Dragon capsule. The Crew Dragon is scheduled to dock to the space station at 06:29 a.m. Thursday, May 28 and will stay on station for as many as 110 days.

In July, The Mars 2020 spacecraft bringing a Perseverance Rover to Mars will launch from Cape Canaveral Air Force Station, Florida.

NASA has some fantastic resources for teachers and parents to consider and follow the upcoming events

Aa-Zz Activity and Colouring Sheets

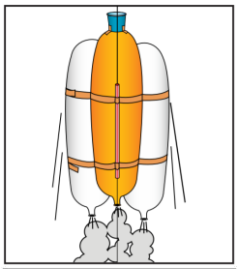
https://www.nasa.gov/sites/default/files/atoms/files/a-z-activity-sheets.pdf

Space Tech FUNPAD Activity Booklet

https://www.nasa.gov/sites/default/files/atoms/files/space_tech_funpad_tagged.pdf

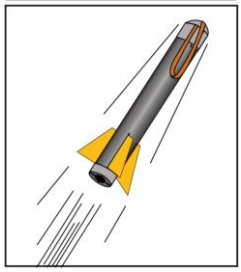
NASA: Make a straw Rocket Challenge

https://www.jpl.nasa.gov/edu/learn/project/make-a-straw-rocket/
https://www.jpl.nasa.gov/edu/teach/activity/straw-rocket/
https://www.youtube.com/watch?v=mQblbX9YccM
Worksheet: https://www.jpl.nasa.gov/edu/pdfs/strawrocket_worksheet.pdf



NASA: Make a Heavy Lifting Rocket Activity

Students construct balloon-powered rockets to launch the greatest payload possible
https://www.jpl.nasa.gov/edu/teach/activity/rocket-activity-heavy-lifting/
WorkSheets: https://www.jpl.nasa.gov/edu/pdfs/rocketactivity_heavylifting.pdf



NASA: Launch and Build a Foam Rocket

Students construct rockets activity

https://www.jpl.nasa.gov/edu/teach/activity/foam-rocket/
worksheet: https://www.jpl.nasa.gov/edu/pdfs/foamrocket.pdf

Jet Propulsion Laboratory
California Institute of Technology

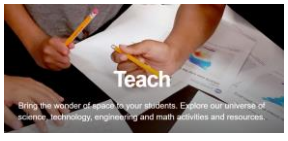
NASA: Activity Ideas

https://www.jpl.nasa.gov/edu/teach/activity/simple-rocket-science/
https://www.jpl.nasa.gov/edu/teach/activity/simple-rocket-science-continued/

NASA Live

NASA: Watch the Launches!

The launch, as well as other activities leading up to the launch, will air live on NASA Television and the agency's website.
https://www.nasa.gov/nasalive



NASA: Teaching and Activity Resouces

https://www.jpl.nasa.gov/edu/teach/tag/type/Classroom+Activity
https://www.jpl.nasa.gov/edu/teach/resources/