NASA Resources
Astronauts Christina Koch, Jessica Meir To Discuss First All-Woman Spacewalk Today

Astronauts Christina Koch (on the right in this photograph) and Jessica Meir (left), who completed the first all-woman spacewalk on Friday, Oct. 18, will participate in a press conference from orbit at noon EDT on Monday, Oct. 21, which will be streamed on NASA TV. During the 7-hour, 17-minute spacewalk, the pair replaced a failed power controller and completed several other tasks in preparation for future spacewalks.

Video: First All-Woman Spacewalk
In-Space News Conference to Review First All-Woman Spacewalk
First All-Woman Spacewalk: The Basics
Biography: Astronaut Christina Koch
Biography: Astronaut Jessica Meir
Video: President Trump Congratulates Koch and Meir

NASA to Provide Coverage of Key Events at 70th International Astronautical Congress

Sep 08, 2019

2019 Ozone Hole is the Smallest on Record Since Its Discovery

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LIVE noon EDT: Astronauts Christina Koch and Jessica Meir Take Media Questions on Friday’s All-Woman Spacewalk
The NASA EXPRESS message features updates from NASA and STEM associates about workshops, internships, and fellowships; applications for grants or collaborations; promotions for student and educator opportunities; online professional development; and other announcements.

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Search STEM Resources and Opportunities

261 results

Living and Working in Space Module
Hands-on science activities help students understand how space travel affects the human body and how robots are used to do tasks in hazardous places.

Aeronautics Module
Hands-on science activities help students learn the science behind flight.
A resource designed to provide real-time coverage of Agency activities and missions as well as providing resource video to the news media, and educational programming to teachers, students and the general public.

http://www.nasa.gov/multimedia/nasatv/index.html
• Present Engineering Challenges for Grades 6-9.
• Connect students with the work of NASA engineers as they solve problems.
• Focus on a engineering problem and the process used to solve it.
• Connect National Science, Math, and Technology Standards.
• Encourage careers in the Aerospace Industry.
• NASA Student Involvement Program
Challenges

• Plant Growth Chamber

• Spacecraft Structures

• Thermal Protection Systems
Liftoff To Learning
Video Tapes and Resource Guides

All Systems Go!
Assignment Spacelab!
The Atmosphere Below
From Undersea To Outer Space
Geography From Space
Go For EVA!
Let’s Talk Robotics
Living In Space
Mathematics of Space
Microgravity
Newton In Space
Plants In Space
Space Basics
Tethered Satellites 1 & 2
Toys In Space II
Voyage Of Endeavour Then And Now

http://teacherlink.ed.usu.edu/tlnasa/videos/NASALiftoffToLearning/index.html
Explore Earth: GLOBE Atmosphere & Clouds
Educators in Grades 4-10
10/21/2019 from 06:00 pm - 07:00 pm CT
Presented by: Sara Torres

Moon to Mars: Mission and Resources Overview
10/22/2019 from 06:00 pm - 07:00 pm ET
Presented by: Despina Sarrafi

NASA Commercial Crew Program: Mission and STEM Resources Overview 11
Educators in Grades K-12
10/23/2019 from 06:00 pm - 07:00 pm ET
Presented by: Steve Culian

Explore Earth: Hurricanes in Your Classroom
Educators in Grades 4-10

https://www.txstate-epdc.net/events/
Year of the Solar System Math (6-12)
The Year of the Solar System (YOSS) - Real World Math educator guide is a collection of 165.

Moon Munchies: Engineering (K-4)
In anticipation of the need for research into plant growth chambers as a means of...

Mission Geography - K-12
This badge is designed to help Kindergarten through Twelfth grade teachers explore the Mission Geography resources.

Practicing Equity in STEM Education
The Practicing Equity in STEM Education badge offers K-12 teachers an opportunity to...

Earth's Orbit and Distance From the Sun
In this badge, designed to help Middle School teachers make the connection between Data...

Curved Space-Time in the Classroom!
Help your students understand Einstein's Gravity with the Gravity Probe-B mission.
Contribute to NASA ICESat-2 Satellite data with the GLOBE Trees Around Research Campaign

The GLOBE "Trees Around the GLOBE" research campaign is calling on students and teachers to take tree height measurements that will serve as satellite data validation for the ICESat-2.

More >

See GLOBE in your Country or Region: United States of America

RECENT MEASUREMENTS

Is School at Al-Madinah Al-Monawarah, Saudi Arabia, Air Temperature 1-Day, Measured on: 2018-10-29

Enter Data
Visualize Data

http://www.globe.gov
NASA eClips™

NASA eClips™ are short, relevant educational video segments. Those videos inspire and engage students, helping them see real-world connections.

Full Site Located: [http://nasaeclips.arc.nasa.gov/](http://nasaeclips.arc.nasa.gov/)

**Playlists**

**Grades K-5**

The Our World program supplements existing elementary learning objectives not only in science, technology, engineering and mathematics, but also in reading, writing, and visual and performing arts.

**Grades 6-8**

Real World video segments connect classroom mathematics to 21st century careers and innovations and are designed for students to develop an appreciation for mathematics through real-world problem-solving.

**Grades 9-12**

[http://www.nasa.gov/audience/foreducators/nasaeclips/](http://www.nasa.gov/audience/foreducators/nasaeclips/)
What is Next Gen STEM?

NASA’s Office of STEM Engagement executed a series of efforts to develop STEM products and opportunities that provide a platform for students to contribute to NASA’s endeavors in exploration and discovery. These mission-driven activities include over 20 evidence-based products and opportunities to engage students in authentic STEM experiences. NASA is working to provide mission driven opportunities that enhance STEM literacy and help build a vibrant and diverse next generation STEM workforce.
Forward to the Moon

Next Gen STEM has activities focused on NASA's Exploration Campaign for Moon to Mars. With a focus on NASA's integrated transportation systems and platforms, namely the Orion capsule, the Space Launch System (SLS Rocket) and the Gateway Lunar Outpost, here you will find STEM resources such as engineering design challenges, supporting curriculum modules, digital badges and webinars for the middle and high school grade levels nationwide.
http://www.nasa.gov

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