

NASA – Hands on at Home! STEM for Students at Home!

<https://www.nasa.gov/stem-at-home-for-students-k-4.html>

More STEM Activities for Families!

<https://www.nasa.gov/stem-at-home-for-students-k-4.html>

NASA – Asteroids, Meteors and Meteorites – and more Solar System Exploration!

https://solarsystem.nasa.gov/asteroids-comets-and-meteors/meteors-and-meteorites/overview/?page=0&per_page=40&order=id+asc&search=&condition_1=meteor_shower%3Abody_type

**NASA Elementary Storybooks and STEM - Wednesday 04/01/2020 - 2:00 pm ET
FREE 1-hour Webinar - Educators in Grades K-5 – Teacher Development – Must Register ahead of time!**

Learn how to use the storybook to introduce young learners to earth science . Participants will review the Elementary GLOBE resources and explore on-line learning. Use the inquiry inquiry based activities associated with the story to help students explore the outdoors. This webinar opportunity can be extended to earn 6 hours of Professional Development from home.

<https://na.eventscloud.com/ehome/index.php?eventid=531078&>

NASA - SpacePlace Game – DSN Uplink-Downlink: A DSN Game

<https://spaceplace.nasa.gov/dsn-game/en/>

[Explore With Space Launch System Activities](https://www.nasa.gov/exploration/systems/sls/outreach/activities.html)

<https://www.nasa.gov/exploration/systems/sls/outreach/activities.html>

My NASA MYData - Volcanic Eruptions - Geology Lessons and Activities!

<https://mynasadata.larc.nasa.gov/phenomenon/volcanic-eruptions>

NASA at HOME is introducing astronaut story time from Earth. Each weekday at 4 p.m. EDT, record-breaking astronaut [Christina Koch](#), who recently returned to our home planet after 328 days in space, will read a children’s book on Instagram Live. Follow her to enjoy: https://www.instagram.com/astro_christina/



<https://www.nasa.gov/specials/nasaathome/index.html>

Help NASA Design a Robot to Dig on the Moon

[RASSOR Bucket Drum Design Challenge](#)

Audience: Design Innovators Ages 18 and Older

Entry Deadline: April 20

Contact: challenges@grabcad.com

<https://www.nasa.gov/feature/help-nasa-design-a-robot-to-dig-on-the-moon>

NASA engineers are looking for ways to improve the bucket drum design of the Moon-digging robot called RASSOR, short for Regolith Advanced Surface Systems Operations Robot. This portion of the robot captures regolith and keeps it from falling out, allowing it to be transported to a designated area. Upload your design ideas for a chance to win cash prizes.

Design a Venus Rover - NASA Wants Your Help Designing a Venus Rover Concept

<https://www.nasa.gov/feature/jpl/nasa-wants-your-help-designing-a-venus-rover-concept>

Exploring Hell: Avoiding Obstacles on a Clockwork Rover – Must survive Conditions Listed Below!

- Surface temperature: in excess of 450°C
- Surface pressure: 92 times that of Earth
- Wind speeds: 0.3 – 1.3 meters per second
 - Due to the extreme pressure, this low wind speed feels almost like gale-force winds here on Earth
- Length of Venusian daytime: 116 Earth days – Hint: Venus completes one rotation in 243 Earth **days** — the **longest day** of any planet in our solar system, even longer than a whole year on **Venus**. ... On **Venus**, one **day**-night cycle takes 117 Earth **days** because **Venus** rotates in the direction opposite of its orbital revolution around the Sun

Amateur Astronomy online resources

<https://skyandtelescope.org/online-resources/>

Amateur Astronomy Links from PBS...

<https://www.pbs.org/seeinginthedark/resources-links/websites-to-explore.html>

NASA Is Tapping University Teams for Innovative Ideas to Enhance Its Moon to Mars Missions

<https://www.nasa.gov/feature/nasa-is-tapping-university-teams-for-innovative-ideas-to-enhance-its-moon-to-mars-missions>

The 2021 Moon to Mars eXploration Systems and Habitation (M2M X-Hab) Academic Innovation [Challenge](#) is an opportunity for NASA to build partnerships and tap into the ingenuity and creativity of the rising Artemis generation space explorers. This collaborative opportunity provides real-world, hands-on design, research and development opportunities for university students interested in aerospace careers while strengthening NASA's efforts to optimize technology investments, foster innovation and facilitate technology infusion.

And now, for something entirely different!

NASA DATA SHOWS SOMETHING LEAKING OUT OF URANUS!

Old gas blob from Uranus found in vintage Voyager 2 data

<https://www.space.com/uranus-gas-blob-voyager-2-discovery.html>

Conjunction of Saturn and Mars – Tuesday March 31, 2020 early before sunrise.

https://in-the-sky.org/news.php?id=20200331_19_100

Evening Sky Maps

<http://www.skymaps.com/downloads.html>

Earth Sky – Essential Astronomy

<https://earthsky.org/astronomy-essentials>

NOVA  **FRIDAY, MARCH 27, 2020**

Hello, NOVA fans! We understand that many of you may be spending more quality time at home than usual. And, as schools across the country close, fostering student learning at home is a top priority.

<https://www.pbs.org/wgbh/nova/topic/space/>

Throughout the upcoming weeks, we'll be sharing collections of some of our favorite NOVA films—all organized by subject to make online binging, learning, and entertaining as easy as possible for science lovers of all ages.

Astronomy-aficionados get ready: The subject of this collection is “Space & The Universe.” And starting Thursday, April 2, come back to our home planet for a collection of NOVA shows that explore what makes it such a unique and powerful place: Planet Earth.

United Launch Alliance launched the Sixth Advanced Extremely High Frequency (AEHF-6) using an Atlas V 551 rocket from Cape Canaveral Air Force Station in Florida on March 26, 2020. Check it out!

https://www.youtube.com/watch?time_continue=3403&v=YBkB1BbbIN0&feature=emb_logo

What's up in Space at Spaceweather.com

<https://spaceweather.com/>

Catch up with the exploration of space with the NASA/ESA Hubble Space Telescope Hubblecast videos!

<https://www.spacetelescope.org/videos/>

NASA Hubble Space Telescope

https://www.nasa.gov/mission_pages/hubble/main/index.html

NASA What's Up for March 2020? (New every month!)

<https://www.youtube.com/watch?v=wf5ZE15ocCo>

Astronomy Technology Today – online magazine to feed your inner geek!

<https://astronomytechnologytoday.com/>