



CT Space Grant Consortium Educator Resources for September



Launch Into Learning Fun with NASA Resources!

Whether you work with elementary, middle or high school students, NASA has activities, videos and downloads available to keep your students engaged with STEM activities. Click the link below to explore activities for students and educators alike.

[Explore NASA STEM](#)

Check out the NASA STEM YouTube Channel to see astronaut Q&A sessions with students, science demonstrations, and more.

[NASA YouTube](#)

September is Read-a-Book-Month!



To help inspire a new generation of space learners, we invite you to contact the [CT Space Grant office](#) to receive a complimentary copy of NASA's new graphic novel - Issue #1: Dream to Reality (English language version only). Be sure to include your name, organization, and mailing address.

Follow Callie's trailblazing path as the first woman on the Moon. Callie and her robot sidekick, RT, overcome setbacks, disappointment, and tragedy along the way. From her childhood dreams of space travel to being selected as an astronaut candidate, Callie takes us on her journey to the Moon.

Get your copy of Dream to Reality

NASA is also offering a First Woman Camp Experience webinar for K-8 and Informal Educators where you can learn how use hands-on activities and get tips for implementation in upper elementary and middle school afterschool settings during a live hourlong professional development session. Two sessions will be offered (September 19 and October 17) and participants will have the opportunity to register for afterschool Q&A sessions with Artemis engineers to further engage their students. Click the link below to learn more and register for your session

Learn more about First Woman Camp Experience: Professional Development Webinar

National Hispanic Heritage Month Begins Sept. 15



Each year from September 15 to October 15, National Hispanic Heritage Month is celebrated to recognize the achievements and contributions of Hispanic American champions who have inspired others to achieve success.

Learn about the achievements of several Hispanic Americans within NASA by clicking below.

[Hispanic Americans at NASA](#)

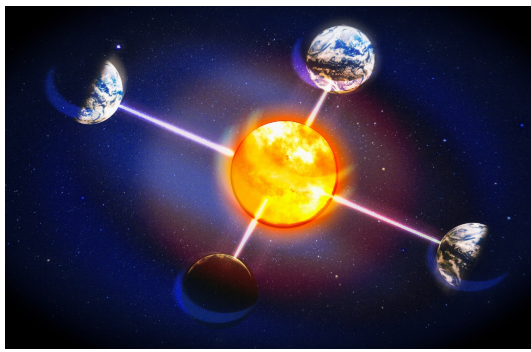
September 17: International Microorganism Day



September 17th is International Microorganism Day. This day is an opportunity to promote the diversity and variety of microorganisms. It is a way to encourage everyone to recognize and celebrate the many ways microscopic organisms are important in human health, culture, economic activity, employment and, throughout our daily lives.

[Explore Microbiology with students](#)

Autumnal Equinox



The fall equinox arrives on Saturday, September 23. What is the autumnal equinox? During the autumnal equinox, the sun shines directly on the equator, and the northern and southern hemispheres get the same amount of the sun's rays. After the autumnal equinox, daylight hours continually decrease in the northern hemisphere. The sun will rise later and nightfall arrives earlier, ending with the winter solstice (12/21/23) when days will start to grow longer once again.

Learn about the Autumnal Equinox

Funding Opportunities from CTSGC

A new year means new opportunities!

CTSGC invites Connecticut Educators to explore funding opportunities currently available. Whether you are looking to learn about new STEM programs for yourself, begin a new STEM program at your school, or take your students on a field trip for a STEM program, CTSGC can help provide funding to make these things happen.

K-12 Program/Activity Grants

Are you looking to host a presentation from STEM/Aeronautics/Aerospace experts for your students? Are you looking to create a district-wide design contest in a STEM field? Are you looking for a way to provide supplies to begin a robotics team at your school? NASA CTSGC offers funding to K-12 programs and/or teachers for a variety of STEM programs and activities.

Professional Development Scholarships

K-12 Educators in Connecticut are invited to apply to CT Space Grant for scholarships to attend STEM-themed Professional Development programs. Awarded funding may support registration or other expenses.

Field Trip Scholarships

Apply now for funds to take your students on a hands-on learning adventure to one of our partner locations, including the New England Air Museum, Connecticut Science Center, SHU Discovery Science Center, or one of the many planetariums around our state. Funds from Field Trip Scholarship awards can be used for program or transportation costs for STEM-themed field trips.

A report must be provided to CTSGC from awardee following completion of the event. A report link will be sent to the email address

provided and must be completed promptly following the event.

**Learn more about K-12
Opportunities**



Upcoming Lunar/Meteor Events

August 30: [Supermoon/Blue Moon](#)

September 1: Aurigid meteor shower reaches its peak.

September 4: The Moon and Jupiter pass close to each other.

September 9: September ϵ -Perseid meteor shower reaches its peak.

September 23: September equinox, marking the beginning of autumn in the northern hemisphere and spring in the southern hemisphere.

September 26: The Moon and Saturn pass close to each other.

September 29: Full Moon

October 1: The Moon and Jupiter pass close to each other.

October 9: Draconid meteor shower reaches its peak.

October 10: Close approach of the Moon and Venus - The Moon and Venus pass close to each other.

October 10: Southern Taurid meteor shower 2023 - The Southern Taurid meteor shower reaches its peak.

October 11: δ -Aurigid meteor shower reaches its peak.

October 10: Annular solar eclipse

October 18: ϵ -Geminid meteor shower reaches its peak.

October 21: Orionid meteor shower reaches its peak.

October 24: The Moon and Saturn pass close to each other.

October 24: Leonis Minorid meteor shower reaches its peak.

There are many online resources to find astronomical events. In-the-Sky offers an option to search visibility (i.e. to the naked eye, with binoculars, etc.) and location of events. Click the link below to learn more.

In-the-Sky night sky events



What's Coming Up at CTSGC

October 14, 2023: [Annular Solar Eclipse](#)

October 21, 2023: [International Observe the Moon Night](#)

Want to learn more about eclipses from NASA? [Click here](#).

Other days and events to keep in mind:

October 4-10, 2023: World Space Week

October 8-14, 2023: Earth Science Week

October 15-21, 2023: National Chemistry Week

November 8, 2023: National STEM/STEAM Day



We are always looking to share information with K-12 partners who have a passion for STEM topics. Please forward this email to others who may enjoy the content, and ask them to join our mailing list by clicking the link below!

Join Our K-12 Mailing List!

Join NASA CONNECTS!

You can join as a formal K-12 educator or as a professional in the informal education (out-of-school time) field. Registered community members will have the opportunity to sign up for engagement events, view and chat with other members who are interested in similar fields, read exclusive NextGen STEM content, and access resources such as lesson plans and interactive media. These members will discover resources that enable further STEM learning in their respective areas.

If you have a Gateway account, click the button below to log in through NASA Gateway, then register to join NASA CONNECTS. If you do not have a NASA Gateway account, you will need to create one before joining this community of practice by clicking the button below and following the prompts.

Join NASA CONNECTS

NASA Office of STEM Engagement also maintains resources for K-12 educators, including professional opportunities, resource collections, and activities based on grade levels. To view these resources, visit the NASA STEM Engagement website below.

NASA Connecticut Space Grant Consortium (CTSGC) is a federally mandated grant, internship, and scholarship program that is funded as a part of NASA Education. There are Space Grant Consortia in all 50 states, plus Washington D.C. and Puerto Rico. The mission of the NASA CTSGC is to further the efforts started through NASA's Education Strategic Framework, Lines of Business, and the National Space Grant Program Goals and Objectives. Specifically, NASA CTSGC has three major goals: 1) To establish and promote NASA-related research opportunities that draw on the collaborative strength of private, academic, and government sectors; 2) To support education initiatives that will inspire students to pursue careers in science, technology, engineering, and mathematics (STEM); and 3) To promote workforce development that recognizes the current and future needs of the Connecticut economy.

CT Space Grant Consortium

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