



## CT Space Grant Consortium Educator Resources for October



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### International Observe the Moon Night



Join the global celebration on October 21, 2023 for International Observe the Moon Night. This is a time to come together with fellow moon enthusiasts and curious people worldwide. Everyone on Earth is invited to take part in celestial observations and honor cultural and personal connections to the moon.

CTSGC has invited libraries around the state to take part in our [Lunar Library contest](#). Be sure to visit one of the libraries (listed on

our website) to see their lunar display in the coming weeks!

You can also create an event of your own - or encourage students to observe the moon in their own way on Oct. 21. Our [website](#) has many ideas on how to celebrate the moon!

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## World Space Day



World Space Week is celebrated from October 4 - 10, 2023. Coordinated by the United Nations, World Space Week seeks to educate people worldwide about the benefits that they receive from space, encourage greater use of space for sustainable economic development, excite young people about science, technology, engineering, and math among other goals. The theme for World Space Week 2022 is “Space and Sustainability”, celebrating sustainability in space, and sustainability from space.

### Want to learn more?

The [World Space Week website](#) has information about the WSW Association, Space Week, and downloads about space.

World Space Week

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## Manufacturing Day



Manufacturing Day, celebrated on October 6, 2023, is an initiative to grow and support the manufacturing industry’s skilled workers for the advancement of modern manufacturing. Manufacturing Day aims to showcase the reality of modern manufacturing careers and address the skills gap that is leaving more than 2.4 million American jobs unfilled by 2028. This skills gap is in part due to a lack of awareness of the incredible career pathways in manufacturing. Manufacturing Day encourages thousands of companies and educational institutions around the nation to host in-person or virtual events for students, parents, teachers and community leaders to get an inside look at modern manufacturing and the exciting career opportunities that the industry offers..

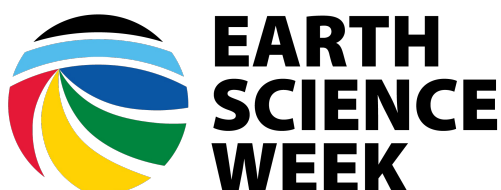
### Want to learn more?

- The [Manufacturing Institute](#) uses events like Manufacturing Day as a way to excite America's youth about the incredible career pathways that modern manufacturing offers.
- [Creators Wanted](#) seeks to inspire the workforce of the future.

Learn about Manufacturing in CT

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## Earth Science Week

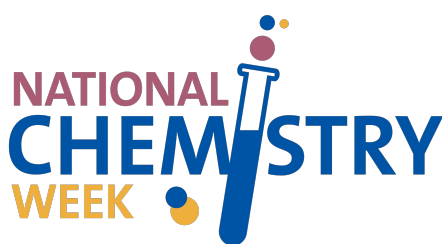


Earth Science Week, celebrated from October 8-14, 2023, was founded in 1998 by the American Geosciences Institute (AGI). It is an annual international event held to encourage better public understanding of and appreciation for the Earth Sciences and Earth stewardship. The 2023 theme - Geoscience Innovating for Earth and People - seeks to emphasize the innovations that help communities create healthier and more sustainable lives, while accelerate environmental problem-solving around the world.

Earth Science Week Resources

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## National Chemistry Week



National Chemistry Week (NCW) is celebrated from October 15-21, 2023. This annual US event is to raise public awareness of the importance of chemistry in everyday life. It is coordinated by the American Chemical Society (ACS). The 2023 theme "The Healing Power of Chemistry" celebrates the role of Chemistry in formulating the medicines we take when we get sick, developing the vaccinations we roll our sleeves up for, and testing the blood samples that we provide at our doctors' offices. The theme recognizes the tremendous advances made by medical professionals and scientists with inspiration from ancient peoples' habits, from plants and animals in the wild, and from our own bodies' mechanisms to prevent, fight, heal, and restore us to health.

Explore the resources on the National Chemistry Week pages to learn

more about chemistry's healing power and strengthen local communities as we celebrate National Chemistry Week together.

**National Chemistry Week**

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## Nuclear Science Week



October 16-20, 2023 is Nuclear Science Week. Nuclear Science Week (NSW) is an international celebration to focus local, regional, national and international interest on all aspects of nuclear science. Activities during the week are intended to build awareness of the contributions of the nuclear science industry and those who work in it every day. Nuclear Science Week explores what it means to "Think Clean. Think Solutions. Think Nuclear" by uncovering nuclear advancements in the fields of Space Exploration, Global Leadership, Carbon-Free Energy, Transformative Healthcare and Innovation & Technology.

**Nuclear Science Week**

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## Dark Matter Day



October 31, 2023 is Dark Matter Day, a globally recognized celebration of research and discovery. There's more to the universe than stars, planets, asteroids, comets, and space dust. In fact, there's a lot more to the universe that we can't yet explain. Every year on this day, institutions and individuals around the planet hold events to explore the mysteries of dark matter and highlight the experiments that could bring us closer to solving them.

**Dark Matter Day**

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# Funding Opportunities from CTSGC

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 provides 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

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:  $\delta$ -Aurigid meteor shower reaches its peak.  
October 10: Annular solar eclipse  
October 18:  $\epsilon$ -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

April 8, 2024: [Total Solar Eclipse](#)

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

### ***Other days and events to keep in mind:***

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!](#)

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## 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](#)

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*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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