



# NASA Aeronautics

June 2021  
No. 3

Monthly STEM Newsletter

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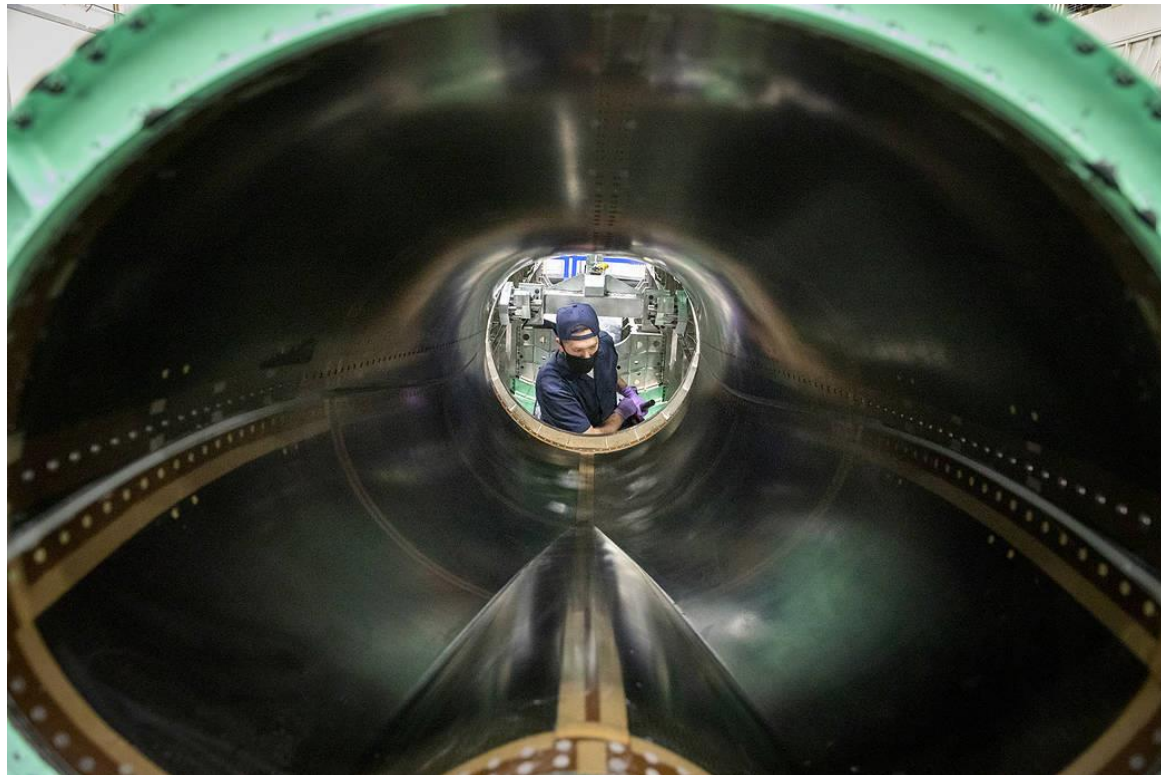
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## June 2021

As the 2020-2021 academic year comes to a close, opportunities switch to a focus on summer opportunities, plans for 2021-2022, and the hope that more in-person interactions will be possible. In this month's aeronautics STEM update, take a look at the many ways to get engage with NASA Aeronautics, including two funding opportunities. Do you know someone else who needs this monthly update? [Sign Up for the Monthly STEM Newsletter](#). Do you have a question or want to be removed from the list? Send me an email: [April.a.lanotte@nasa.gov](mailto:April.a.lanotte@nasa.gov).

### New Videos and Resources:

**[NASA's The Quiet Crew: Episode 1](#)**: Thanks to the work of some amazing interns and others on our NASA Aeronautics team, the Low Boom Flight Demonstration mission is producing a series of videos highlighting members of the crew you may not know about. The first in the series is Paul Dees, the Deputy Propulsion Lead for the mission.

**[NASA UTM: A Giant Leap for Air Transportation](#)**: UAS Traffic Management, or UTM, is a system that will allow unmanned aircraft systems (UAS) to travel in our airspace more safely. How does NASA contribute to these highways in the sky? Find out more in this great NASA-X episode.

**[Leveled Readers and More!](#)** Have you taken a look at our NASA Aeronautics Leveled Readers and More site? Our newest publication features Acoustics Engineer Danielle Koch, who often utilizes nature as inspiration for her work when making engines quieter. Our site contains stories written at different reading levels, comprehension questions, as well as videos and audio recordings to enhance understanding.

### Professional Development:

**[Educator Professional Development Collaborative \(EPDC\)](#)**: Aeronautics, Engineering Design, Digital Badges and more. Join NASA's EPDC for a month full of opportunities to participate in a variety of aeronautics-related professional development. This includes "Explore Aeronaut-X: Sound Effects," "Four Forces of Flight," and the first in our series that focuses on our X-57. Join us for "**Aeronaut-X, A Deep Dive into the X-57 Maxwell**" on June 15<sup>th</sup> from 6-7pm EST. Sessions are free but registration is required.

**[MIE Upcoming Sessions](#)**: If you are looking for ways to engage students in aeronautics activities, join the Aeronaut-X team for "**Soaring into Summer with Aeronaut-X**," a deep dive into the world of flight on Tuesday, June 15<sup>th</sup> at 11am PT (2pm EST).

### Funding Opportunities:

**[TEAM II Funding Opportunity](#)**: NASA's Office of STEM Engagement invites proposals from museums, science centers, planetariums, and other eligible nonprofit institutions to apply for a TEAM II grant. Notice of intent to apply for the

### NASA STEM Stars

Each month, [NASA STEM Stars](#) hosts webchats that connect students ages 13+ with NASA experts of all types. Episodes are live-streamed on YouTube and occur at 2pm EST. June's lineup includes a special hour-long episode focused on Advanced Air Mobility on June 23<sup>rd</sup>. As a reminder, STEM Stars episodes are recorded and available for viewing at any time. Take a look at archived sessions featuring other aeronautics stars.

### Ames Exploration Encounter Virtual Summer Session

**[NASA's Ames Exploration Encounter \(AEE\)](#)**: With a goal of inspiring students in grades 1-6, the Ames Exploration Encounter—held virtually this year—is now open. Classes begin on June 14<sup>th</sup>, 2021, so register now! Curriculum focuses on Forces of Flight and Space Vehicles.

### Coming Soon!

Stay tuned for new lessons and activities coming soon, including a light-up paper helicopter and the first of our Jr. Flight Badge program series.



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standard award is due June 2, 2021, with the full proposal due July 19<sup>th</sup>. Community Anchor Awards applications are due June 17, 2021.

**ARMD Solicitations:** Opportunities for universities to collaborate with NASA's aeronautical innovators and/or contribute to their research are available now! Several solicitations are currently active:

<https://www.nasa.gov/aeroresearch/solicitations>

### Links to our Aeronautics STEM Resources:

[Aeronautics Research Resources](#): (all ages) This link takes you to a wide variety of educator resources, Aeronautics@Home, ebooks, National Academies Reports, webinars, lithographs and mini posters, the NASA Aeronautics Research Institute, and more.

[Aeronautics@Home](#): (K-12) This web page contains aeronautics-based activities, videos, games, and more that can be completed at home, in the classroom, or in any number of settings. Topic areas include: "Build It!" "Explore It!" "Watch It!" "Solve It!" "Color It!" and "Aero Educator Resources". Coming soon: "Read It!" and "Do It!"

[NASA Express Sign-Up](#): (K-12, post-secondary) Have you signed up for NASA's NASA EXPRESS weekly newsletter? This newsletter contains the latest information for educators (K-12 and post-secondary) about new resources, design challenges, internships, and workshops. It is THE go-to for the latest STEM news.

[NASA Educator Professional Development Collaborative](#): (K-12 educators) Where do you go for ongoing, free NASA educator professional development opportunities? To EPDC! Take a look at webinars, digital badging and CEU opportunities, STEM teaching tips, videos, and so much more.

[Aeronaut-X](#): (K-12) Our Next Gen STEM: Aeronaut-X program provides new and exciting STEM activities that focus on cutting-edge aeronautics education and the future of flight.

[Museum and Informal Education Alliance](#): (Informal Educators and Museums) Not in a classroom? Looking for informal education materials? Join NASA's Museum and Informal Education Alliance, where you have access to NASA resources—including aeronautics—for your program, organization, museum, science center, or library. Find out about events happening near you and in the virtual world, and let the MIE Alliance help you build your programs! Access to guest speakers, the latest announcements about grant programs, and an active community network allow you to connect with other like-minded people in a supportive, engaging, and aerospace-focused neighborhood.

[NASA Aeronautics for Educators Facebook Page](#): (K-12, post-secondary) Join our NASA Aeronautics for Educators Facebook page, where the latest aeronautics updates, professional development opportunities, lessons and ideas are freely shared.

[NASA STEM Stars](#): (students ages 13+) Webchats that connect students ages 13+ with NASA experts of all types. Each chat introduces a STEM career, addresses a STEM topic, and highlights a NASA mission. Webchats are streamed live at 2pm EST via YouTube, and students can ask questions via the chat feature in real time. Or, you can choose from a growing library of archived sessions.

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