



NASA Aeronautics

Monthly STEM Newsletter

INSIDE

Pride Month

Dream with Us Design Challenge 2023

Artifact and Funding Opportunities



Winners of this year’s “Gateways to Blue Skies” challenge winners from Boston University were announced June 2nd during the Blue Skies Forum at Glenn Research Center in Ohio. Credit: NIA.

June 2023

Summer is in full swing and there are lots of opportunities happening this summer. There is also lots to celebrate: a chance to join in a virtual celebration for our Dream with Us Design Challenge, upcoming workshops, open houses, and conferences. And of course, we can’t ignore NASA’s support of our diverse and creative team that includes support for the LBGTO+ community this month and beyond. Don’t miss the application window for STEM schools and organizations to snag NASA artifacts to help inspire the next generation.

Do you need to see more of something or have a new idea for upcoming newsletters? Let us know! Do you know someone else who needs this monthly update? [Sign up for our monthly STEM newsletter](#). Have questions or want to be removed from the list? Send an email to April.a.janotte@nasa.gov.

Let’s Fly!

[Together We Rise](#)

This Pride Month, NASA celebrates the significant contributions of LGBTQ+ employees, respects the individuality of our employees, and recognizes their contributions to advance NASA's priorities. We support the positive movement to promote self-affirmation, dignity, equal rights, build community and create awareness for diversity and gender variance.

At NASA, we support our employees' authenticity in the workplace and treat authenticity with integrity. In an environment that promotes safety in being one's whole self, employees can be seen, respected, and valued, which elevates collaboration, innovation, and performance.

Despite the obstacles in achieving full acceptance and protections for the LGBTQ+ community, the progress made over the past decades has been significant, yet the work continues. Together we rise to achieve our goals as one NASA.

[Gateways to Blue Skies winners selected](#)



The second annual Gateways to Blue Skies competition just concluded, with this year's winners just announced. Students from Boston University's team took home top honors, with subject matter experts from NASA and industry judging eight finalist teams. Students worked throughout the academic year on ideas for potential clean aviation energy sources of the future. Link on the story above to find out more about their project and others.

Professional Development:

[2023 Space Port Area Conference for Educators \(SPACE\)](#): June 21-23, 2023, Kennedy Space Center

- Join NASA Aeronautics for an exciting session about X-planes and more.

[NASA CONNECTS](#): Are you interested in other professional development opportunities? Create a new account or log into NASA's STEM Gateway to find a session that interests you.

Come See Us in Person!

[Energy and Mobility Technology Conference and Expo](#): **September 12-15, 2023. Cleveland, OH.** Free public opportunities during the conference.

[NASA Langley Research Center Open House](#): **Saturday October 21st, 2023**: Join NASA's Langley Research Center for a chance to look at our state-of-the-art technologies, labs, and facilities that help us get to the moon, advance the latest aeronautics research, and help us understand more about our own planet.

Internship Opportunities

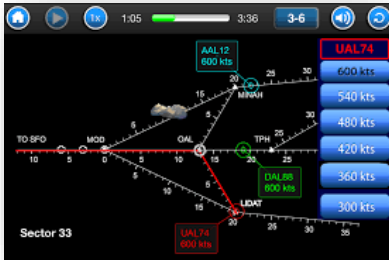
[NASA Postdoctoral Program](#)

If you're an early-career or senior scientist, apply to the NASA Postdoctoral Program to help pursue NASA's mission and experience the world's most diverse technology and expertise. Become a part of the NPP and experience this unique educational program that is preparing future leaders for NASA and the academic community.

The Summer 2023 application cycle is now open. **Current application deadline is July 1, 2023.**

New Items

Smart Skies



Have you used Smart Skies in the past to excite students about aviation and air traffic control while sneaking in math skills “vegetables”? It’s been a while since the interactive math program has had an update AND NOW IT’S BACK BETTER THAN EVER. If you’re new to [Smart Skies](#), take a look and have some fun with students this summer and beyond.

Fly with Advanced Air Mobility and build your [flight log!](#)



Have you signed yourself or your students up for the NASA Aeronautics virtual flight log? [Sign up now](#) for our latest flight opportunity on our PC-12 that will be flying this month, with more opportunities coming throughout the summer.

Add your email to our [contact list](#) to stay up to date on upcoming flights and other opportunities. update is now live, allowing for more interaction, additional STEM content, and new opportunities to engage with us. For new and returning participants alike, you can now sign up to receive email updates, so take a look at our new content. We have multiple flights that will be coming up in 2023 so it’s a great time to fly with us!

Grant Proposals

NASA Aeronautics is seeking proposals for grants to report back on workforce skills needed for Aviation Maintenance. What are new/unique issues that will crop up with the new forms of air vehicles that are coming?

✂ Proposals due June 30, 2023. Solicitation details: <https://t.co/0JbbRW9FBn>



Join the **NASA University Student Research Challenge** family and collaborate with peers to contribute to the evolving field of aeronautics! NASA is seeking creative ideas and concepts relevant to NASA Aeronautics from interdisciplinary student teams.

- Receive up to \$80,000 to pursue your ideas
- Gain technical and entrepreneurial experience
- Open to all majors and interdisciplinary teams (engineering, business, etc.)
- Interface with NASA experts and receive exposure to the aerospace industry

Proposals for the next round are due **June 24, 2023.**

To learn more, visit our website: <https://nari.arc.nasa.gov/usrc>



Dream with Us Virtual Awards Recognition Ceremony and Sustainable Aviation Presentation

June 15, 2023, 7:30pm EST (open to **EVERYONE**: educators, participants and their families, enthusiasts). Join here: <https://nari.arc.nasa.gov/events/dream-with-us>



All challenge participants and the public are welcome to join in on the fun, celebrate challenge participants their accomplishments, and enjoy a special presentation and Q&A with one of our NASA experts. Submit your project by May 15th, and we'll see you at the ceremony. Happy dreaming!

Current Opportunities

Artifacts!!

Schools, museums, planetariums, organizations—do you NEED NASA artifacts (the answer is yes by the way!)?

The latest round of available NASA artifacts for STEM use are available now, and for a limited time. They include thousands of items from decommissioned programs, science instruments, and even Space Shuttle tiles are available.

Find out more and apply [here](#) **BY JUNE 30, 2023**.



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!"

[Aeronautics Innovations Challenges](#): Keeping up with our many design challenges and opportunities for both post-secondary and K-12 can be tough. In response, we created a "one-stop shop" to pull them all together in one location.

[Flight Log Experience](#): (K-12, post-secondary, general public) Sign up to send your name with NASA Aeronautics on X-planes, UAS flights, and more as you build your virtual NASA flight log. Earn virtual endorsement stamps and mission patches and access aeronautics STEM activities and resources. Educators can sign up their entire class.

[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.

[Aeronaut-X](#): (K-12) Our Next Gen STEM: Aeronaut-X team 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 Connects](#): (K-12, post-secondary) NASA Connects is a network of educators who come together to collaborate, share NASA resources, and create personal collections of materials that can then be shared with others. Members can join groups tailored to their specific interests.