



StellarXplorers is hiring!

We're looking for a Program Manager! Under the direction and guidance of the Director of StellarXplorers Operations, the Program Manager is responsible for planning, coordinating, and conducting the StellarXplorers National Space Design Competition and managing the design team to create captivating real-life space industry scenarios.

[Apply today](#) with your cover letter and resume!

COMPETITION

FINAL REMINDER! Register for the StellarXplorers IX National Space Design Competition by October 17, 2022. If you're interested in participating in our National Space Design Competition, be sure to register your team [here!](#)

Each year, StellarXplorers hosts a National Space Design Competition, which challenges teams of students across the country to solve orbit determination, satellite component planning, and launch vehicle selection scenarios presented in a series of online rounds. These are real-world space design challenges, and the best part is no prior experience is required for participation. We provide all the necessary training and software needed for success. We also have a technical mentor program that allows industry professionals to volunteer their time and help teams prepare.



Each team requires an adult leader (typically a teacher) and 2-6 students. Competition rounds are scheduled to begin in late October, and all teams are guaranteed three rounds of participation. If you're interested in learning more (schedule, cost, team composition, registration process, etc.), visit our website: www.stellarxplorers.org/competition.

SPONSOR NEWS



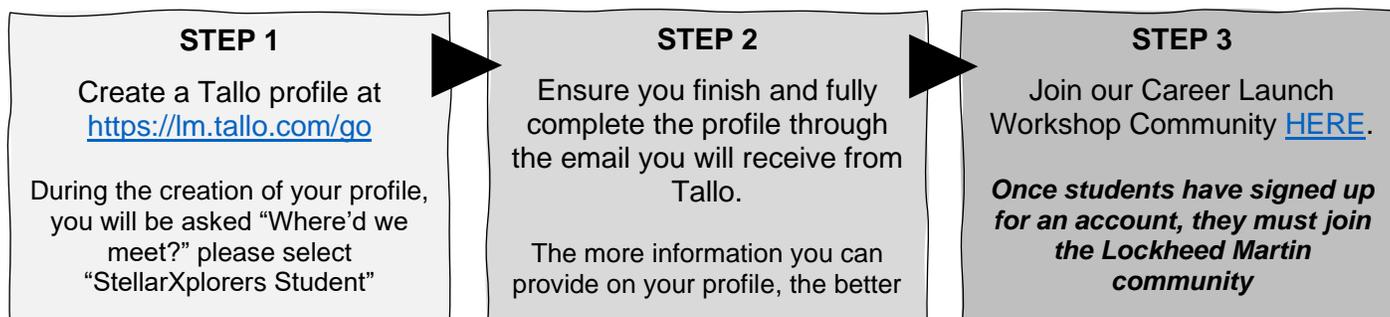
Lockheed Martin x Tallo have created a 4-part series to introduce students to a career in STEM with Lockheed Martin.

Students will hear experiences from experts in the aerospace field, see behind the scenes of how we innovate, and learn how you can start a career in Space. Even cooler, if you complete the whole series, you'll be entered to win prizes including a Microsoft Surface, Oculus, or Raspberry Pi! **This is open to all high school students.**

We want your students to be prepared as they enter life outside of high school. Lockheed Martin wants to share a vision for a career in STEM. Whether students attending a four year or community college, taking a gap year, or entering the workforce, we'll help them get a head start on a meaningful career.

Students who complete all 4 series will be entered to win a Microsoft Surface, Oculus, or Raspberry Pi!

HOW TO GET STARTED



Each series will include a digital badge to verify that students watch each series live or on-demand. Students must receive all 4 digital badges to be included in the grand prize sweepstakes.

Program Overview

Series 1: Career Launch – September 14, 2022 @ 5:00 PM EST

You will hear from Lockheed Martin employees and learn about what a career in Artificial Intelligence, Machine Learning, Cyber and more will look like. You'll hear about what it takes to become an engineer and work in the aerospace and defense industry. If you missed the live event, please see the recording posted on the community page!

Speakers: Charlotte Curtis (host) m Alexa Roberts, Bennie Lewis Caroline Cazzaniga, Victoria Palmer

Series 2: Mission Prep

These are pre-recorded self-study sessions available for you to complete from September 14 – December 31, 2022.

We will give you the tools you need to succeed in your career. In a series of self-study modules, you will learn how to write a resume that gets seen, how to interview to land the job you want, how to manage stress and anxiety in school and the workplace and learn how to design the career you want!

Series 3: Explore Space- October 12, 2022 @ 5:00pm EST

It's your chance to see behind-the-scenes at Lockheed Martin. We will show you advancements in Augmented and Virtual Reality, plus, you'll see our innovation labs.

Series 4: Space Pathways- November 10, 2022 @ 5:00pm EST

Are you ready to start a career in STEM? There isn't one way to break into the field. We'll show you how you can join Lockheed Martin at any level and with whatever degree you decide to pursue. Learn about internships in High School and College, a software program in which you only need an associate degree and, if high school is as far as you want to go, we'll introduce you to Advanced Manufacturing through a program called AMTAP.

WILL YOU JOIN?

Air Force STEM invites students to Space Force Celebration

The Department of the Air Force K-12 STEM Office wants to extend an invitation for you and your students to join us for the 3rd Annual Space Force Celebration - STEMtoSpace! Each year, we pair Space Force Guardians with classrooms to share the importance of STEM in space, possible STEM career opportunities, and how Space Force contributes to daily life around the United States. This is a great opportunity for all K-12 students!

This year promises to be even bigger and better than last year as we are introducing some new partnerships and live special events. We hope you'll join us for a fun virtual learning experience this December!



STEM TO SPACE

184K+
potential students reached

700+
Events

ALL 50 STATES
& DC, Puerto Rico, Mexico, Guam, Japan, South Korea, Germany, Belgium, Italy, UK

Participating Volunteers = 300+
(Civilians, Guardians & Airmen)

through (Specialist 3) through (Four-star General)

Logos: nepris, Civil Air Patrol (U.S. Air Force Auxiliary), Military Civilian Education Coalition, girl scouts, Air Force STEM K-12, USO, USSF

To learn more about **STEMtoSpace 2022**, visit our [Event Landing Page](#) or [Frequently Asked Questions](#). Sign-ups are first come, first served so we encourage you to sign-up as early as possible.

This is just one STEM experience of many we hope to offer this school year. If you're interested in hearing from us quarterly about **free STEM opportunities** from the Air Force, Space Force, and the Department of Defense, please sign-up for our [Teacher e-newsletter here](#).

We hope you'll join us to celebrate the newest service in the United States!



L3Harris Technologies continues support of StellarXplorers

During a presentation at AFA's annual Air, Space, and Cyber Conference, L3Harris renewed its support of StellarXplorers with a check for \$50,000. The support of L3Harris and the other program sponsors is critical for the growth of not only StellarXplorers, but for STEM education opportunities nationwide. We are extremely grateful for their sponsorship and participation in the program.

From left to right, Gerald Murray (Chairman, AFA), Rebecca Dalton (Director, StellarXplorers), Chris Kubasik (Vice Chair and CEO, L3Harris), Orville Wright (President, AFA), Doug Raaberg (Vice President, AFA)

SPACE NEWS

In case you missed it...

09 SEPT 2022 | [Vice President Announces plan to Inspire, Prepare, and Employ Space Workforce](#)

In order to address the challenges of today and prepare for the discoveries of tomorrow, the country needs a skilled and diverse space workforce. This is why the White House released [the Interagency Roadmap to Support Space-Related STEM Education and Workforce](#). This Roadmap outlines the initial set of coordinated Administration actions to bolster our nation's capacity to inspire, prepare and employ a diverse and inclusive space workforce, starting with increasing awareness of the wide range of space careers, providing resources and opportunities to better prepare jobseekers for the workplace, and placing a focus on strategies to recruit, retain and advance professionals of all backgrounds in the space workforce.

12 SEPT 2022 | [How space exploration has changed, 60 years since JFK's 'We Choose the Moon' speech](#)

13 SEPT 2022 | [Artemis 1 launch plans slip again](#)

19 SEPT 2022 | [The FCC Is Finally Taking Space Junk Seriously](#)

20 SEPT 2022 | [Hilton hotels will design astronaut suites on private Starlab space station](#)
[NASA's Former Webb Telescope Director Receives Top Federal Award](#)

21 SEPT 2022 | [New Webb Image Captures Clearest View of Neptune's Rings in Decades](#)

26 SEPT 2022 | [NASA Successfully Crashed a Spacecraft Into Its Asteroid Target](#)

STEM RESOURCES

AFA Educator Grants

Every year, AFA awards \$500 grants to 40 educators poised to make a lasting difference. The grant process is competitive. A committee of aerospace education experts reviews all qualified applications and scores them based on their detailed grant proposals. AFA selects projects that best serve our nation's students and support our mission. Please review the grant [guidelines](#) and [rules](#) prior to applying.

AFA Educator Grant applications are accepted from September 1st through December 15th. Educator Grants are awarded in February. Please [view and submit your grant application online](#) via the third-party website, SmarterSelect. *Hardcopy or faxed applications will NOT be considered.*



AFA also offers grants for Civil Air Patrol and Air Force JROTC units. Visit the [AFA website](#) to learn more.

Join SWE(Next) Today



SWENext is a way for girls to become a part of the Society of Women Engineers (SWE) engineering and technology community as students through the age of 18. SWENext is free to join and provides students access to programs, mentors, and resources designed to develop leadership skills and self-confidence to #BeThatEngineer. **Although the program focuses on girls, all students are encouraged to join.**

[Click here](#) to learn more about the benefits of joining SWENext.

SPACE PUZZLE

Do you have a good space-themed joke or a puzzle to share? Send it to info@stellarxplorers.org with the subject line *Newsletter Submission* and you might just see it in the next edition of *The StellarXpress*!



How quickly can you find the words below?

- | | |
|---------------|-----------|
| ASTEROID | MOON |
| ASTRONAUT | NEPTUNE |
| BLACK HOLE | PLANETS |
| COMET | ROCKET |
| CONSTELLATION | SATELLITE |
| COUNTDOWN | SATURN |
| GALAXY | SHUTTLE |
| JUPITER | STARS |
| LAUNCH | TELESCOPE |
| MERCURY | UNIVERSE |
| METEOR | URANUS |
| MILKY WAY | VENUS |

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