

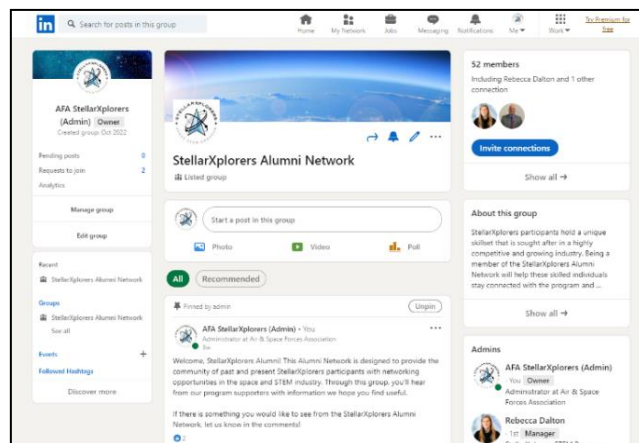


## STEM RESOURCES

### StellarXplorers Alumni Network is up and running!

The StellarXplorers Alumni Network is intended to connect program alumni with each other and with program sponsors and supporters from industry and academia. Within this group we'll share networking opportunities, available internships, job postings, and more!

This is a private group for past and present StellarXplorers participants. You must be at least 16 years of age to join, per LinkedIn account regulations. All requests to join will be reviewed by StellarXplorers staff to verify participation in the program.



To join, visit: <https://www.linkedin.com/groups/12721859/>

### X-STEM All Access is back!



**— SPEAKER —**  
**Capt Sophia Schwalbe**  
Air Force Research Laboratory



**— HOST —**  
**Maynard Okereke**  
Hip Hop M.D.

X-STEM All Access – presented by the U.S. Air Force and U.S. Space Force – is a free on-demand series for middle and high schoolers designed to get students excited about STEM.

Students will get an inside look into the exciting careers and inspiring personal journeys of diverse STEM role models through a lively Q&A session with a fellow STEM professional. The 30-minute max episodes will premiere throughout the school year and will be available on-demand to fit in your schedule.

[Sign-up to receive notifications of new episodes!](#)

The next speaker, Capt Sophia Schwalbe, is scheduled for Feb 8. This ionosphere physicist at the Air Force Research Laboratory (AFRL) is part of a team of scientists and engineers at the forefront of magnetosphere research. Hear about her exciting role as a physicist and "meteorologist for space"! The session will be hosted by Maynard Okereke (better known as the Hip Hop M.D.), an engineer and science communicator who uses pop culture to make STEM fun!

## NATIONAL SPACE DESIGN COMPETITION

The third and final qualification round was completed on January 29<sup>th</sup>. Thanks to everyone for participating, and congratulations to the teams advancing to the semifinals!

These teams will face off in the Semifinal Round on February 16-19, 2023. The stakes are high, as the only the top 10 scoring teams from the round will be advanced to the in-person National Finals Competition in April at the Space Center Houston.

We look forward to the exciting rounds ahead!



## STELLARCAMPS



Looking for STEM programs to offer students during the summer? Look no further!

Organizations interested in hosting a space-focused summer camp can now register to host a StellarCamp. The full camp curriculum is available for purchase (\$300 per week). The host can choose to conduct the camp in-person or virtually during any of the 12 weeks below:

June 5 – 9	July 3 – 7*	July 31 – Aug. 4
June 12 – 16	July 10 – 14	Aug. 7 – 11
June 19 – 23*	July 17 – 21	Aug. 14–18
June 26 – 30	July 24 – 28	Aug. 21 – 25

\* Holiday falls during camp week

## SPONSOR NEWS

### Lockheed Martin Space: Summer Internship Opportunities

Do you see yourself working in Space? Lockheed Martin Space will soon be opening applications for summer 2023 high school internships and has reserved positions specifically for StellarXplorers!

This year, StellarXplorers teams that make it to Finals will get the first opportunity to submit an internship application. Finalists will be notified directly to apply in the February timeframe. Other (non-finalists) StellarXplorers participants will be invited to apply to internships as availability allows.



Lockheed Martin's Space High School Internship Program is designed to provide current high school students the opportunity to work with real Lockheed Martin scientists and engineers. Projects tackle complex challenges, advance scientific discovery, and deliver innovative solutions to help our customers keep people safe. To qualify for the program,



you must be at least 16 years of age, enrolled in high school, and have a passion for STEM. Internships may be virtual or in-person depending on your location.

Lockheed Martin Space welcomed the pilot class of six StellarXplorers interns last summer. These students excelled in their roles, and each received and accepted offers for returning internships. Lockheed Martin Space is looking forward to adding additional StellarXplorers to the team next summer. Hear directly from Lockheed Martin Space StellarXplorers interns about their experiences Space in the [August StellarXpress](#).

To learn more about careers with Lockheed Martin Space, please visit [Space Careers](#) webpage.

## Air & Space Force K-12 STEM



The Air & Space Force K-12 STEM office is bringing several virtual opportunities to teachers and students this winter!

Guardians from the US Space Force will share their personal experiences and discuss their role in Space Force. Topics include cyber security, the Global Positioning System (GPS) and more!

[Click here](#) to view the line-up and sign up!

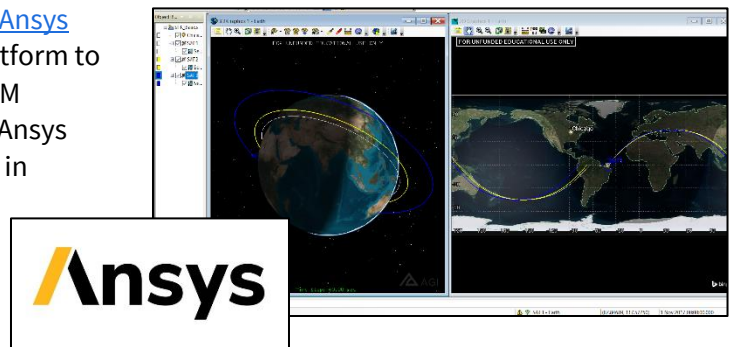
**Audience:** Grades 7-12 | **Duration:** 35 minutes | **Event Type:** Virtual (via Pathful Connect platform)

## Ansys

*Preparing for Takeoff: Students Use Digital Mission Engineering to Launch Careers in STEM*

Since its inception, StellarXplorers has integrated the [Ansys Systems Tool Kit \(STK\)](#) digital mission engineering platform to train students in space applications for an annual STEM competition. As part of the [Ansys Academic Program](#), Ansys provides this access for free to support [student teams](#) in competition.

[Click here](#) to read the full blog post



## SPACE NEWS

In case you missed it...

**04 JAN 2023** | [Raytheon selects Lockheed Martin bus for U.S. Space Force missile-tracking satellite](#)

**06 JAN 2023** | [Delta Airlines throws down the gauntlet with free Wi-Fi plan](#)

**15 JAN 2023** | [SpaceX launches U.S. Space Force's first mission of 2023 on Falcon Heavy](#)

**19 JAN 2023** | [Geostationary sounder is a key ingredient of near-term forecasts](#)

**19 JAN 2023** | [HawkEye 360 satellites to provide data for U.S. Space Force threat-detection system](#)

- 25 JAN 2023 | [NASA System Predicts Small Asteroid to Pass Close by Earth This Week](#)
- 27 JAN 2023 | [NASA's 'Mega Moon Rocket' aced first flight and is ready for crewed Artemis II launch](#)
- 29 JAN 2023 | [A NASA spacecraft discovers a formation on Mars resembling a bear](#)
- 29 JAN 2023 | [NASA Webb Telescope Zooms in on One of Solar System's Oddest Objects](#)

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