



STELLARXPLORERS

SPACE STEM PROGRAM

A STEM program of the
Air & Space Forces Association



StellarXplorers is a STEM program of the Air & Space Forces Association, created to introduce and inspire middle and high school students toward careers in space, aviation, and other science, technology, engineering, and math (STEM) disciplines critical to our nation's future.

The program features the **StellarXplorers National Space Design Competition**, a space systems design competition that challenges teams of students (grades 6-12) to solve orbit planning, satellite design, and launch operations missions presented in a series of online rounds. The program also offers summer **StellarCamps**, week-long educational camps that introduce students (grade 6-12) to space exploration and space design.

MENTORSHIP / VOLUNTEER OPPORTUNITIES

Give back by sharing your knowledge (and love) of space with students who share the same interest! Teams in the space design competition are typically led by teachers, but not all teachers feel equipped (or have the time) to prepare their students for the competition. Because of this, many of the teams rely on technical mentors (aka the space professionals) to help them learn about the topics they'll see throughout the competition.

Some basic guidelines for being a mentor are listed below:

- Mentors should have a strong understanding of determining orbits, selecting satellite components, and/or choosing the optimal launch vehicle for a mission. These are the topics that teams will see during the competition rounds.
- Mentors can choose to support a team in-person or virtually.
- All mentors will be asked to complete a background check as part of the registration process.
- The level of commitment is up to the mentor. The mentor and team director should work together to find a schedule that is best for them. View the full competition schedule at www.stellarxplorers.org/dates-fees.html.
- Mentors are encouraged to support more than one team if they wish.



Scan the QR code or visit
www.stellarxplorers.org/mentor-registration
to register as a technical mentor today!



Learn more at www.stellarxplorers.org | Contact us at info@stellarxplorers.org