



# 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 high school and middle school students toward careers in aerospace, aviation, and other science, technology, engineering, and math disciplines critical to our nation's future.

The program features the **StellarXplorers National Space Design Competition**, a team space system design competition that challenges teams of students (grades 9-12) to solve orbit determination, satellite design, and launch vehicle selection scenarios 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 design.

## VOLUNTEER OPPORTUNITIES

Give back by sharing your knowledge (and love) of space exploration with students who share the same interest! There are numerous opportunities for StellarXplorers involvement, and participants truly appreciate any time you are willing to give. **Volunteer opportunities include, but are not limited to:**

- **Serving as a team director or technical mentor** for a team competing in the StellarXplorers National Space Design Competition. You'll support the team with using the Systems Tool Kit (STK) software and provide technical assistance as they practice. Time commitments vary from team to team. Background check required.
- **Assisting with National Finals Competition event facilitation.** The event is scheduled for late April at the Space Center Houston. The top ten teams qualify each year.
- **Serving as a single-session mentor.** Meet with teams once or twice to provide guidance and advice as they prepare for the competition
- **Serving as an instructor or classroom assistant** for a StellarCamp. Camps are held during the summer months at various organizations nationwide.
- **Guest speaking (conducting a Q&A)** for teams, camp attendees, or participating organizations. This is a great way to share career and education paths with interested students eager to get into the space industry.
- **Supporting a "StellarXplorers Day"** with your company or on your own (virtually or in-person). The StellarXplorers program office can assist with coordination.

We encourage you to spread the word about StellarXplorers in your local community!



Learn more at [www.stellarxplorers.org](http://www.stellarxplorers.org) | Contact us at [info@stellarxplorers.org](mailto:info@stellarxplorers.org)

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