



STELLARXPLORERS



THE NATIONAL SPACE DESIGN COMPETITION

How does it work?

StellarXplorers provides specific training in the use of system simulation software, Systems Tool Kit (STK), as well as an online textbook as a curriculum supplement and study resource for online "team" quizzes given during the competition. The actual competition is accomplished from the team's home location. Teams are given a scenario describing the system's mission and constraints and they provide a solution to a typical space design problem, such as orbit determination, satellite component selection, and launch vehicle planning. Practice Rounds begin in October, and Qualification Rounds begin in November. Performances of teams during the Qualifying Rounds determine which teams advance to the Semi-Finals in February. The top 10 teams from the Semi-Finals receive an all-expense-paid trip the National Finals.

Who can participate?

Teams can come from any organized youth organization such as a high school (including home schools), JROTC, CAP, School Clubs, Boy/Girl Scouts, Boys & Girls Clubs. Teams consist of an adult Team Director (usually a teacher) and two to six students. **Prior experience is not required to participate.** You only need to find students interested in learning about space. Participation is free until after teams have had the opportunity to compete for the first qualifying round. Please see our registration page for more information on team fees and fee waivers.

Getting started?

Go to the StellarXplorers website at stellarxplorers.org. Register teams under the registration tab. Identification of team members does not need to take place until after the school year begins.

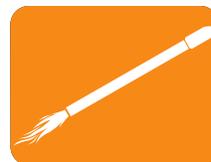
Benefits to students and educators

This is an exciting hands-on learning experience that develops commercially valuable skills and increases appreciation for the critical role of space in our daily lives. The competition attracts all types of students with diverse backgrounds who will establish their own experiential base off accomplishment, all while building teamwork and leadership skills. Most of all ... it is **FUN!!!**

The curriculum is a stimulating addition to STEM curriculum with real-world application.

Benefits to sponsors

This program offers the opportunity to grow your future workforce. StellarXplorers serves as a pipeline for talented individuals who are interested in your business, uniquely positioned to be interns and future employees.



LOCKHEED MARTIN



AIR FORCE
STEM



L3HARRIS

Visit: www.stellarxplorers.org
Email: info@stellarxplorers.org

