



STELLARXPLORERS



THE NATIONAL SPACE DESIGN COMPETITION

What is the StellarXplorers National Space Design Competition?

The StellarXplorers National Space Design Competition is a fun, team building, space system design competition that starts in October and ends in April, where students are challenged to solve orbit planning, satellite component, and launch vehicle selection scenarios presented each round.

How does it work?

Our website contains 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 except for the National Finals. 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.** 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 page. Identification of team members does not need to take place until after the school year begins. Training is available on our website!

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.

STLX VIII SEASON



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

