



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 space and other science, technology, engineering, and math disciplines critical to our nation's future.

StellarCamps – Summer Camp Program

StellarCamps are fun space system design camps for 6-12 grade students. Participants can learn about various aspects of space system design, and there is **no prior experience required!** StellarCamps focus on the teamwork and collaborative problem-solving methods associated with sending objects to space, including satellite coverage, determining payload, and how to use Systems Tool Kit (STK) – an industry standard software used by professionals. **No prior experience is required to participate.** Students of all skill levels can be successful

Participants



StellarCamps are designed for high school and middle school students who are just getting into aerospace or who have aerospace knowledge and want to learn more.

Camps are hosted by approved organizations and institutions that register with the StellarXplorers Program Office. These organizations include (but are not limited to) public/private schools, home schools, universities and colleges, JROTC units, Civil Air Patrol squadrons, scouting units, boys' and girls' clubs,

AFA chapters, etc. Host organizations are responsible for registering attendees and providing instructors/resources to facilitate the camp at their location.

Schedule

StellarCamps are designed for four days of instruction and one day for small-scale space design competition. However, the host may choose a schedule that works best for them. Self-paced camps are also an option!

Curriculum

StellarCamp attendees will learn about the history of space exploration, satellite design, rocket types, orbit planning, and much more. There are many hands-on activities and practice exercises to review concepts covered in the curriculum. Each camp concludes with a mini-competition scenario to challenge students on the skills obtained over the course of the week.

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

