

FTC Summer Robotics Camp Introduction

Join our summer camp for an exciting week of hands-on robotics this summer!

Designed for rising 6th graders or higher, this camp introduces students to the world of competitive robotics through real FTC-style engineering and programming challenges.

Participants will learn how to:

Design and build robot drivetrains and scoring mechanisms

Program robot controls and autonomous routines using Java

Explore sensors, state machines, and structured robot software

Create custom robot parts with CAD in Onshape

Practice driving, tuning, and debugging a competition robot

Throughout the week, students will work with real robotics hardware and professional tools while learning directly from an award-winning FTC competition team. The camp concludes with a mini robotics competition, where students apply what they have learned in a fun team challenge.

No prior robotics experience is required — beginners are welcome!