RoboCodex Robotics Camp

Summer 2025 | Ages 10–14 | Beginner & Advanced Tracks

Camp Overview

The RoboCodex Robotics Camp ran for five days in the summer of 2025. Each day was packed with hands-on lessons, coding tutorials, and build challenges using LEGO Spike Prime and EV3. Students aged 10–14 were split into Beginner and Advanced groups and participated in a progressive learning experience that covered coding fundamentals, mechanical engineering principles, and FLL-style strategy.

What We Did

- Built and programmed custom robot designs
- Learned movement, turning, and sensor-based navigation
- Designed passive and modular attachments
- Practiced teamwork and problem-solving
- Sketched and tested mission strategies
- Ended the week with a mini FIRST LEGO League-style challenge

Parent Feedback Summary

Parents overwhelmingly rated the camp 5 out of 5 for both quality and student engagement. Kids were excited to attend each day, especially enjoying the mission-based challenges and hands-on builds. Suggestions for future camps included offering more advanced topics like Python programming and CAD/3D design.

Next Steps

Building on this year's success, RoboCodex plans to expand its offerings with seasonal camps and school-year programs. We're committed to helping the next generation of innovators build, code, and lead with confidence.