Class focus

LeXT

Level 1–3(Ages 4–7)
Pure Building Foundations

Students are introduced to engineering through hands-on LEGO construction. They learn basic building principles such as structure, balance, motors, gears, and linkages. Projects include windmills, racecars, drawbridges, and ships.

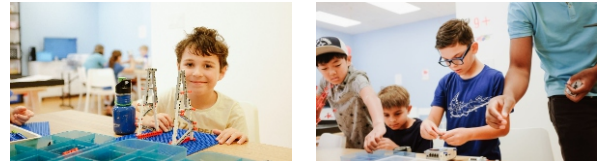🕐 1 hour class

⚙ Focus: Engineering fundamentals & creativity

Level 4–7(Ages 6–10)
Building Meets Coding

Students build more advanced LEGO projects and begin learning programming. Using block coding and EV3 sensors, they explore logic, automation, and mechanical movement. Projects include elevators, maze solvers, line-following cars, and SUMO bots.

🕐 2 hours class

⚙ Focus: Mechanical systems + beginner coding

Level 8–12(Ages 9–14)
Advanced Robotics & Programming

Students dive into advanced robotics using EV3 or Spike Prime. They work with gyro sensors, transmissions, and condition-based coding. Text-based programming like Java or Python is introduced, and students prepare for competitions like FTC.
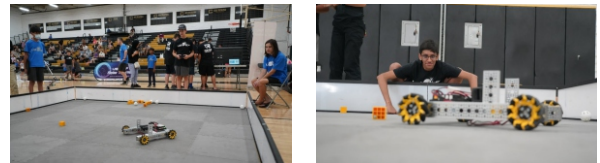
🕐 2 hours class

⚙ Focus: Engineering design + advanced coding

Ages 13–18: FIRST Tech Challenge
Helping students prepare for college

FTC students design, build, and code robots to compete in an alliance format against other teams. In a reusable platform, robots are powered by Android technology, and can be coded using a variety of levels of Java-based programming.

4-18 Robotics Competitions

The LeXT Robots Competition Team program was established in 2013. Our world-class robotics competition teams competed in many robotics competitions such as Robo Tourney, Botball, Roborave, Robofest, BattleBots, WRO and First Competition. Since 2014, Our world-class First FLL and FTC Teams have won countless matches and awards from local to international competitions. We have been consistently qualified for the First World Championship and won 9 awards in the past 8 years - the Inquiring Minds award, the Robot Performance 1st Place award, the Core Value Inspiration 1st Place award, the Judges award, the Robot Design award, the Engineering Excellence award, the Create award, the Design Award, and the Inspire Award - the highest award given at the First World Championship.

ROBO TOURNEY   FIRST