

ARE YOU READY FOR THE SUMMER?



TEN80 SUMMER CAMPS IMMERSE STUDENTS IN HANDS-ON, INTERACTIVE REAL WORLD EXPERIENCES IN STEM EDUCATION.

Engage students in design and engineering challenges that show them just how fun and relevant science, technology, engineering and mathematics (STEM) is to their world. Ten80 summer camps are an effective tool for recruiting students into STEM schools and programs during the school year. These camp programs are shortened versions of the full course or club curriculum, offering 30-contact hours of activity on average. The print pack is designed for a 5-day format but can easily be modified to fit other schedules.

All of these Ten80 Challenges can be carried over into the school year with an additional CLUB or CLASS access fee and teams may go on to compete nationally in the Ten80 National STEM.



CONTACT US TODAY TO GET STARTED!

Toll free 855-836-8033 x1 | info@Ten80Education.com | Ten80Education.com

Student STEM Challenge Camps for Grades 6-12

RACING CHALLENGE

Students own a sports team and their ultimate goal is to engineer performance. This includes personal performance, team performance and of course, race performance. The base technology for Student Racing Challenge teams is a 1:10 scale electric radio-controlled (RC) car that can be setup in over 4 million ways before re-engineering a single part.

MOBILITY CHALLENGE (NEW! Call for more info.)

Integrate physical computing systems to unlock the power of AUTONOMOUS DRIVING teams. Once students understand the form and function of each component and system, they optimize its design and automate its operation using open-source hardware & software (Arduino platform).

COMPSCI CHALLENGE

Through Intro to Computer Science, students learn the core concepts in computer science. More importantly, they develop problem-solving and computational thinking skills to develop coding practices that are universal across programming languages. Students will understand physical computing, algorithms, binary and hexadecimal number systems, data types, decision loops, functions, sensors, and wireless communications that are critical concepts in engineering and computer science.

UAV (DRONE) CHALLENGE

The ultimate Student UAV Challenge is to hack the brain of an Unmanned Aerial Vehicle (UAV), replace it with a custom Arduino-based flight controller and configure it to fly different missions. In tackling this challenge, students integrate hardware and software systems.

