



SUMMER STEM CAMPS

Engage students in design and engineering challenges that show them just how rewarding 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. The non-consumable kits can be used during the school year for courses or clubs and to compete in the National Challenge League.

Student STEM Challenge Camps for Grades 6-12

Participants use technology and apply science and math to maximize challenge scores. How teams optimize performance depends on your available technology and educational goals.

Student STEM Challenge Camps are shortened versions of the full course curriculum, offering 30 contact hours of activity on average. The curriculum is designed for a 5-day format but can easily be modified to other schedules such as daily meetings over a month.

Student Racing Challenge Camp

Race Engineering Certifications Camp: 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 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.

Specialize in the Advanced Camp: Implement any number of projects that work with your available tools and mentors. Projects include aerodynamic or chassis redesign using 3D CAD, adding automation to create a driverless car and adding renewable energies.

Student Rover Challenge Camp

Learn the basics of computer science by integrating open-source software and hardware. Assemble, program and optimize performance for a Rover robot. Model a business that uses it.

Student Energy Challenge Camp

Evaluate an energy-related issue and engineer a solution with a balanced energy budget. Apply the tools and lessons in this camp to any battery-operated system. Materials include solar panels, wind turbines, hybrid hydrogen fuel cell RC car and all materials necessary to turn the renewable energies into battery charging stations.

Ten80 Summer Camps Include

All Ten80 Camps provide the following:

- Live 90-minute web-based training and support through 24-hour forums and quick turnaround on email and phone requests.
- Non-consumable materials for 24 campers working in groups of 4. Add booster kits for additional teams.
- Print pack includes teacher guide, one activity guide for every team of four and one logbook for every student.
- License to run one camp with access to online resources. Additional license is \$25 per camper.

Ordering Information

Camp Item	Catalog #	\$ Each
Turnkey RACING Camp for High School	SRC-HS-006	\$5,997
Turnkey RACING Camp for Middle School	SRC-MS-006	\$5,997
1-Car RACING Booster	SRC-BK-003	\$ 648
Turnkey ROVER Camp	NSL-RV-005	\$5,997
1-ROVER Booster	NSL-RV-003	\$898
Turnkey ENERGY Camp	NSL-EN-102	\$5,997
Camp license, per student	SRC-21	\$ 25

Get Involved

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STEMWORKS
CERTIFIED
READY-TO-SCALE

TEN80
EDUCATION