STUDENT RACING CHALLENGE
ten80 Education™

2017 STEM RACE CAMP

Get ready, set, race! The 2017 STEM Race Camp will introduce students to Science, Technology, Engineering, and Math principles that will be applied to enhance 1/10 scale Radio-Controlled (RC) cars. Students will work in teams to apply STEM principles, and measure performance in a racing environment. This year the camp incorporates two primary themes: 1) environmental sustainability and stewardship by guiding students through the process of assessing alternative energy technologies (fuel cell, solar, and wind) to power electric cars, and 2) nanotechnology and its application in modern engineering.

Monday–Thursday, June 12–15, 2017
9 a.m. – 4:30 p.m. each day | Chippewa Valley Technical College
Gateway Campus, Manufacturing Education Center
2320 Alpine Road, Eau Claire, WI 54703

Apply for this exciting camp!
- This camp is available to students entering 8th–12th grades in fall 2017.
- A $40 registration fee will be required of all students selected to attend the camp. Those accepted will receive continental breakfast, lunch, and snacks. A picnic and race event will be held the last day.
- Complete your application form online: **cvtc.edu/CAMPS** or visit goldcollarcareers.com. Applications will be received until the camp is filled.

Contact us to learn more!
> Call: **715-874-4604**
> Email: **emiller@cvtc.edu**

cvtc.edu/eeo

GOLD COLLAR CAREERS

Racing skills you will learn:
- Alternate sources of fuel to power your car
- The Scientific Method
- Newton's Laws of Motion
- Mechanical Advantage
- Kinetic and potential energy
- Engineering for maximum performance

Scientific & engineering skills you will learn:
- How to drive RC cars consistently
- How to engineer for maximum performance
- Energy use and conservation
- Mechanical design and aerodynamics
- Track mapping and gear ratios
- Coefficient of friction for traction
- Suspension weight and balance
- Chassis alignment and geometry

Core skills you will learn:
- Data collection and problem solving
- Teamwork and cooperation
- Communication
- Conflict resolution
- Presentation skills

cvtc.edu/CAMPS

Chippewa Valley Technical College