

CTE Legislation Advocacy

CV Robotics - Teams 955 & 749

RevAmped Robotics - Team 12808

Overcharged Robotics - Team 12599

Intro to FIRST

FIRST is an international community consisting of thousands of robotics teams.

Teams experience hands-on STEM education through robotics competitions.

In Oregon:

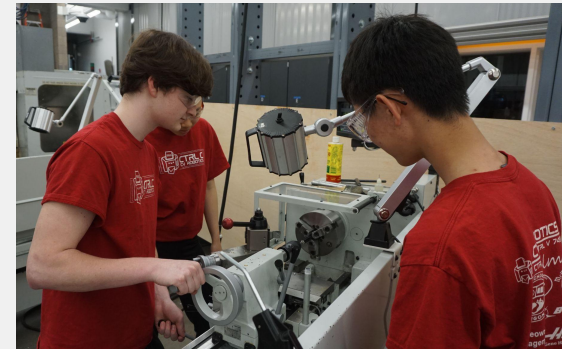
- 50 FLL Explore (K-4th)
- 203 FLL Challenge (4th-8th)
- 136 FTC Teams (7th-12th)
- 40 FRC Teams (9th-12th)



Seniors at 2024 Clackamas Academy Competition

Impact of FIRST Robotics

- Unique educational opportunities:
 - Students teaching students
 - **Learn technical skills** (CAD, metal fabrication, wiring, coding, marketing, grant writing, etc)
 - **Develop soft skills** (teamwork, project management, leadership, etc)
- Career readiness:
 - **81% of FIRST Alumni go into STEM majors**, compared to only 64% of students who take school STEM classes
- Women and underrepresented groups in STEM
 - **40% of CV Robotics is female**
 - Female FIRST alumni are **3.5x more likely to take computer science courses** and **2.5x more likely to pursue engineering** than average



Current Problem:

Robotics is often classified as a school club instead of an educational activity

As a result, teams get unreliable and often inadequate access to resources

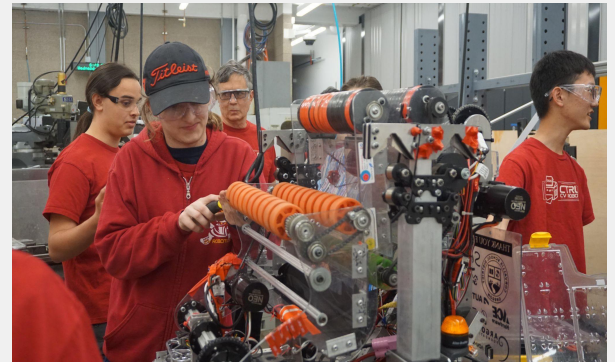
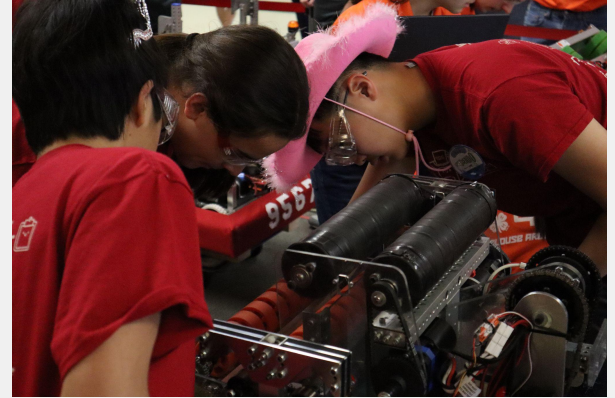
- For example: access to school buses and ADA buses

Educational value of technology-based competitive extracurriculars is not fully reflected, which makes it difficult to apply for educational based grants



Impact of SB 894

- Establish a pathway for technology-based competitive student activities (FIRST Robotics, VEX Robotics, Science Bowl, Science Olympiad) to become accredited CTE programs of study
 - Offer CTE credits to student participants
- Provide access to greater resources
 - Recognition by Schools
 - Transportation
 - School Facilities & Equipment
 - Funding through CTE grants



Contact Us:

CV Robotics: cv.raiderbot@gmail.com

RevAmped Robotics: revampedrobotics@gmail.com

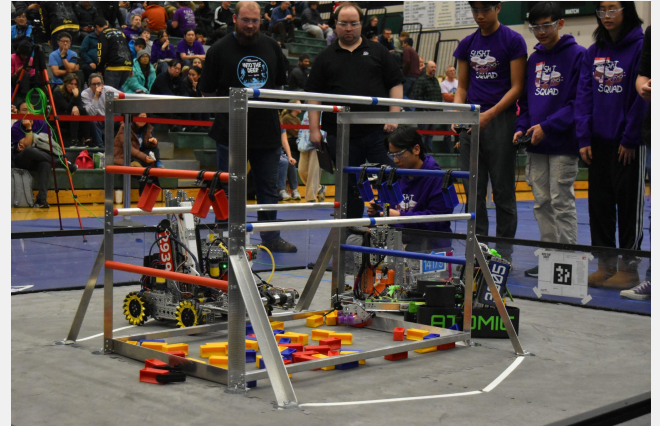
Overcharged Robotics: overchargedrobotics@gmail.com

Upcoming Oregon FIRST Events:

FTC (7th - 12th grade) Oregon Championship
(Liberty High School, Hillsboro) ~ 3/15 - 3/16

FRC (9th - 12th grade) District Competitions:

- Oregon State Fair (Salem) ~ 2/28 - 3/1
- Clackamas Academy ~ 3/7 - 3/8
- Wilsonville High School ~ 3/22 - 3/23



THANK YOU

