

“ ...to create a world where science and technology

Are celebrated....where young people dream of  
Becoming science and technology heroes...”

Dean Kamen, Founder



**Wheeler High  
School  
Cybearcats  
Team 1000**

> For Inspiration & Recognition of Science & Technology

**FIRST** (For Inspiration and Recognition of Science and Technology) was founded by inventor Dean Kamen to inspire an appreciation of science and technology in young people. Wheeler High School entered the program in 2003. Since then many students have found a real life experience that applies their science and arithmetic teachings. This experience is like no other. Members of the team work together to solve complicated problems and compete in international events.

“We need to show kids it’s more fun to design and create a video game than it is to play one.”



Dean Kamen Founder

### Get Involved

- > Become a Mentor
- > Volunteer
- > Sponsor our Team
- > Donate a service
- > Donate material
- > Donate refreshments
- > Donate fund raising items

### WE NEED YOUR HELP.

#### Contact Us:

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(219) 759-2561  
[www.cybearcats.com](http://www.cybearcats.com)

Contact: Steve Thompson  
Ralph Iler



“It’s like life. There’s never enough information. Never enough time. There’s always competition and you need a strategy. We’ve created a micro- cosm of the real engineering experience”

Woodie Flowers  
Co-Founder FIRST Robotics Competition

“Our robots are student designed, student built and student operated. The learning that goes on from the first design to what ever number of modifications it takes to get the machine to work is immeasurable.”

Ralph Iler, Team Mentor

“FIRST isn’t just about robots, it’s about developing life skills. The partnership between academia , community and industry... will build future employees and future citizens”

Steve Sanghi, President and CEO  
Microchip Technology

## > FIRST ROBOTICS COMPETITION

**The First Robotics Competition** combines the excitement of sport with science and technology to create a unique varsity sport for the mind. FRC helps high school students discover the rewarding and engaging process of innovation and engineering.



Students can:

- > “Play with the Pro’s
- > Design and build robots in 6 weeks
- > Earn a spot at the championship
- > Qualify for \$8 million in scholarship funds

FRC is a fascinating, real-world, professional experience and helps students see the value of education and careers in science, technology, engineering and math.

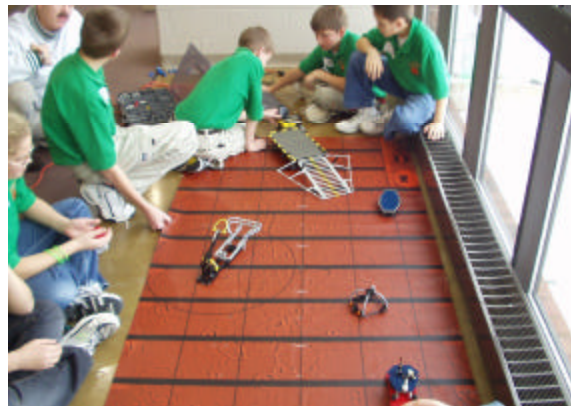
*It’s the hardest fun ever.*

## > FIRST LEGO LEAGUE

**FIRST LEGO League** inspires future scientists and engineers. Guided by imagination and adult mentors, FLL students, 9-12 face real-world engineering challenges, discover career possibilities and learn to make positive contributions to society. FLL is a result of a partnership between FIRST and The LEGO Group and offers the opportunity to:

- > Design, build and program robots
  - > Use LEGO MINDSTORMS technology
  - > Learn teamwork skills
  - > Research challenges facing today’s scientists
- FLL teams compete in tournaments and present their solutions to a panel of judges.

It’s fun. It’s exciting. And the learning lasts a lifetime



## > FIRST VEX

**FIRST VEX** introduces students to the designing and building of robots. After learning the game and building a robot, these students compete head to head with other teams to put their designs to the test.



First Vex is a result of a partnership between FIRST and the Radio Shack corporation and offers the opportunity to:

- > Design and build robots
- > Program robots
- > Learn teamwork skills
- > Compete against other teams
- > Apply math and science skills