

# FIRST<sup>®</sup> ROBOTICS COMPETITION



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## HOW DOES FIRST ROBOTICS COMPETITION WORK?

High school teams use sophisticated technology to build and code industrialized robots for a challenging field game. Each team also develops a brand, a business plan, and works to promote STEM in the local community.

### TECHNICAL SKILLS

CAD

3D Printing

Programming  
(Labview, Java, C++)

Pneumatics  
and  
Electrical

### MARKETING SKILLS

Advertising

Fundraising

Media Skills

Strategy

Planning

### SOFT SKILLS

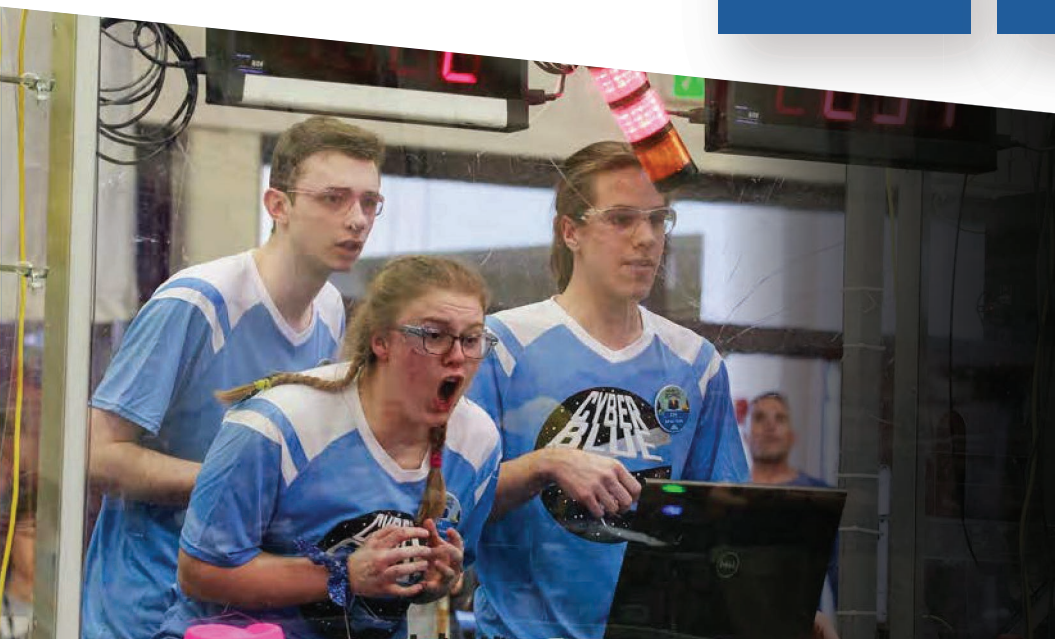
Teamwork

Communication

Gracious  
Professionalism

Community  
Outreach

Presentations



**FIRST<sup>®</sup>**  
INDIANA ROBOTICS



## QUICK FACTS

**What grade levels participate in FRC?**

Grades 9 – 12

**How many students are on a team?**

10 – 100 Students

**How many teams are from Indiana?**

Around 60 Teams

**When is the FRC season?**

January – April

**What is the weekly time commitment?**

5 – 15 Hours a Week

**How long does a competition last?**

2.5 Days

## WHAT WILL IT COST TO RUN A TEAM?

Rookie Team (2 District Events) .....	\$6,000
Veteran Team (2 District Events) .....	\$6,000
Unrestricted Additional District Plays .....	\$1,000
District Championship .....	\$4,000
Robot (Price Capped) .....	\$100 – \$2,000
Shirts, marketing, travel, food, etc. ..	\$1,000 – \$5,000
<b>Total Estimated Budget .....</b>	<b>\$15,000 – \$20,000</b>

**Grants are available for StartUps!**



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