FIRST TECH CHALLENGE

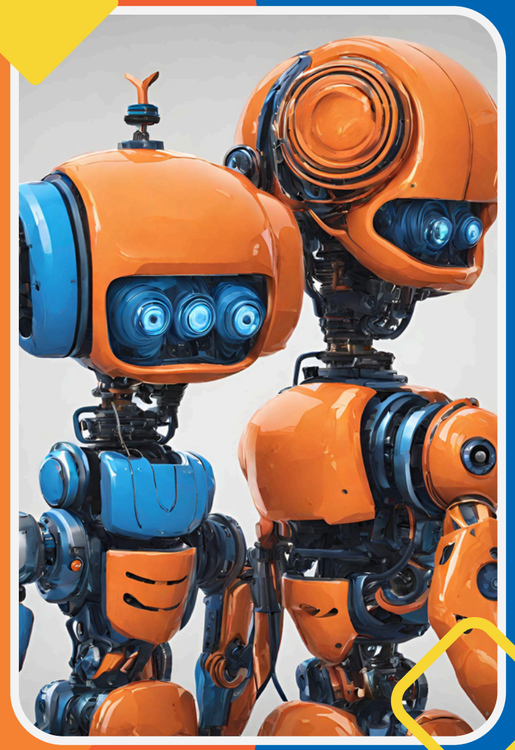
FIRST KENTUCKY ROBOTICS

FIRST TECH CHALLENGE

COMPETITION READINESS

JUDGING

Agenda

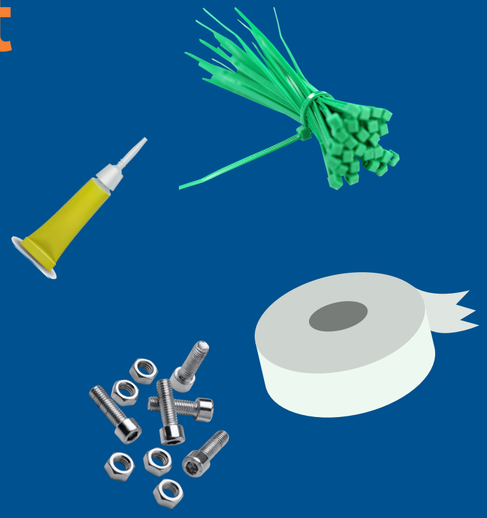


- What to Bring
- Portfolio/Judging
- Awards

FIRST KENTUCKY ROBOTICS

What to Bring to Every Event

Robot!



1. Cart for robot transportation
2. Extension cord & power strip
3. Extra Battery & Charging Cords
4. Alliance Markers and Team props
5. Programming Computer
6. Bin of Extra parts
7. Tool Box with basic tools
8. Team Roster from *FIRST* website (should show all members have signed consent & release forms)
9. Robot Inspection Checklist - complete
10. Field Inspection Checklist - complete
11. Safety glasses for all team members & coaches
12. Drive Team buttons (if you've gotten them this season)

What to Bring to Events that include judging

Everything from Previous Slide AND

1. **Printed copy of your portfolio**
2. **Printed Feedback form**
3. **Any props used for Judging**
4. **Pit Signs**
5. **Tablecloth to cover pit table (optional, but strongly encouraged)**
6. **Any posters/team bling for Pits**
7. **Plans for lunch**
8. **Scouting Sheets/Program**
9. **Optional - Engineering Notebook, prototypes, CAD drawings, etc. to share with judges that may visit your pit**
10. **Optional - Team pins or other bling to share with other teams**

The 4 Steps to Judging

Step 1: The Interview

Step 2: Performance Evaluation

Step 3: Engineering Portfolio Evaluation

Step 4: Pit Judging

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The 4 Steps to Judging

Step 1: The Interview

- Takes place BEFORE any matches begin.
- Approximately 10-15 minutes
  - 5 minutes presentation, 10 Minutes Q&A
- Line up 10 minutes before your session
- Team members only, no adults (except under special circumstances)
- Bring your robot! It’s a robotics competition after all!
- Bring posters, visual aids, models, etc.
- BE MEMORABLE, make an impact with the judges.
- Do NOT leave gifts behind to judges (such as candy, buttons, etc.)

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The 4 Steps to Judging

Step 2: Performance Evaluation

- **Evaluations begin the moment you arrive at the venue.**
- **The judges are watching. <u>ALWAYS WATCHING.</u>**

- **Students should be primarily doing the work, answering questions, etc.**

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The 4 Steps to Judging

Step 3: Engineering Portfolio Evaluation

- **Teams MUST submit an Engineering Portfolio that meets the following criteria:**
  - **No more than 15 pages + 1 Cover Sheet**
  - **Team number included on the Cover Sheet**
  - **Minimum 10 point font.**
  - **No links to other documents, videos, websites, etc.**

- **Use of AI is permitted, but ONLY if properly credited.**

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The 4 Steps to Judging

Step 4: Pit Judging

- After team judge presentations are over, all of the judges meet and nominate teams for each award.
- Small groups of judges will then do follow-ups in the team pit areas and observe competition matches. Look for orange vests!
- The team should try to always have at least 1 student in the team pit area at all times to visit with and answer any follow-up questions that judges may have.

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JUDGED AWARDS

These are the awards that the judges will give out. Your presentation and interview should align with these award categoies.

Other Awards: KY State Exclusives

- **Green Leaf Award**
  This award will celebrate teams that use sustainable materials on their robot. Teams will apply for this award at the state championship event.
- **MacGyver Award**
  This award is given to a team that shows a creative, quick-thinking solution to a problem either at a competition or during the season.
- **Rookie Top Finisher**

  This award will go to the rookie team that finished qualification rounds at the state championship event placed the highest of all rookie teams.
- **Rookie All-Star**

  This award will go to the rookie team that catches the attention of judges as a team that embodies the spirit of FIRST in their initial season.

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Other Awards

Judges Award

Given to a team that stood out to the judge panel but maybe didn’t fit another award criteria.

Not always given out but, judges have the option.

Other Awards

Dean’s List Finalist

Nominated by their coach/mentor. Can be current sophomore or junior in high school.

2 Finalists chosen from the semi-finalists after interviews.

These 2 students advance to World’s. Winners will be announced at the state championship.

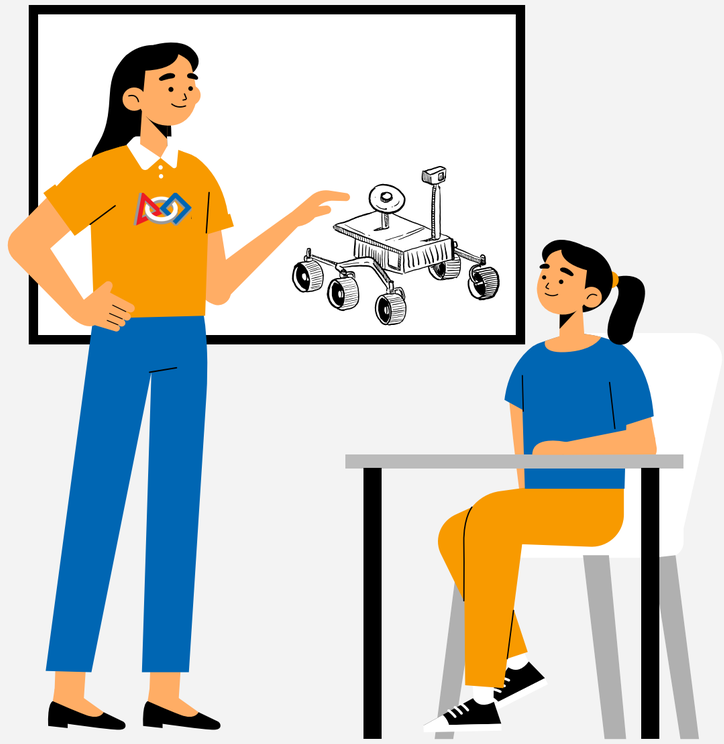
Promote Award

Coaches will be notified how and where to submit this video. Deadline is typically a week or so prior to the event.

- **Optional for teams to submit**
- **Up to 60 second video highlighting the value of *FIRST* for Kentucky students.**
- **Must follow *FIRST* branding and design standards. Teams must have rights to the music used in the video.**

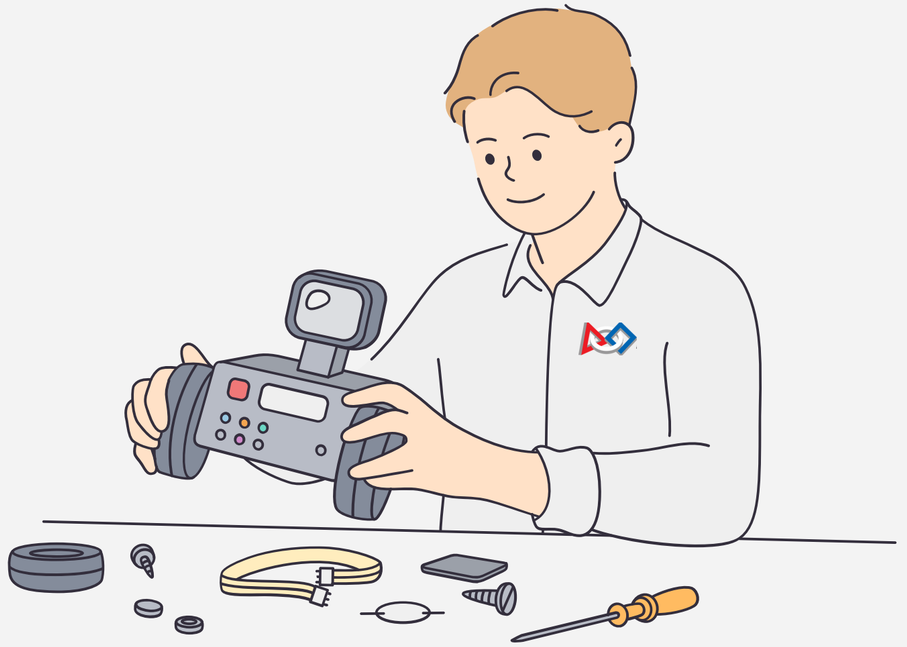
Compass Award

Coaches will be notified how and where to submit this video. Deadline is typically a week or so prior to the event.



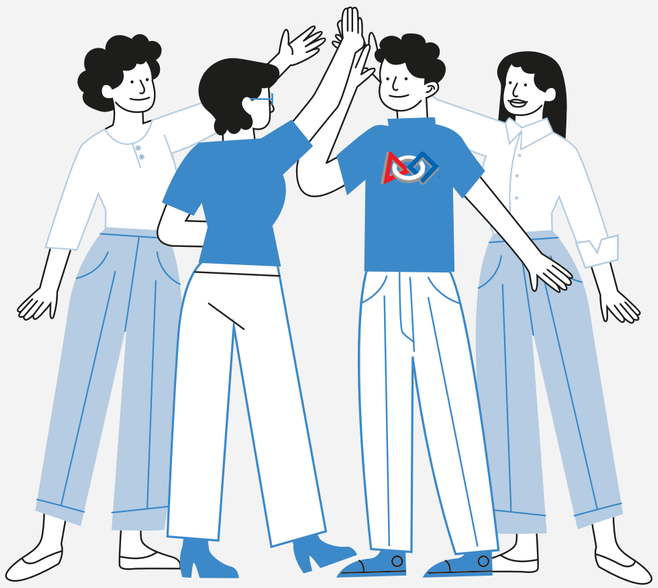
- **Optional for teams to submit**
- **Up to 60 second video recognizing an outstanding coach or mentor**
- **Must follow *FIRST* branding and design standards. Teams must have rights to the music used in the video.**

Design Award



- Recognizes design elements that are both functional and aesthetic.
- Basis for design is well thought out.
- Design is effective and consistent with team plan and strategy.

Motivate Award

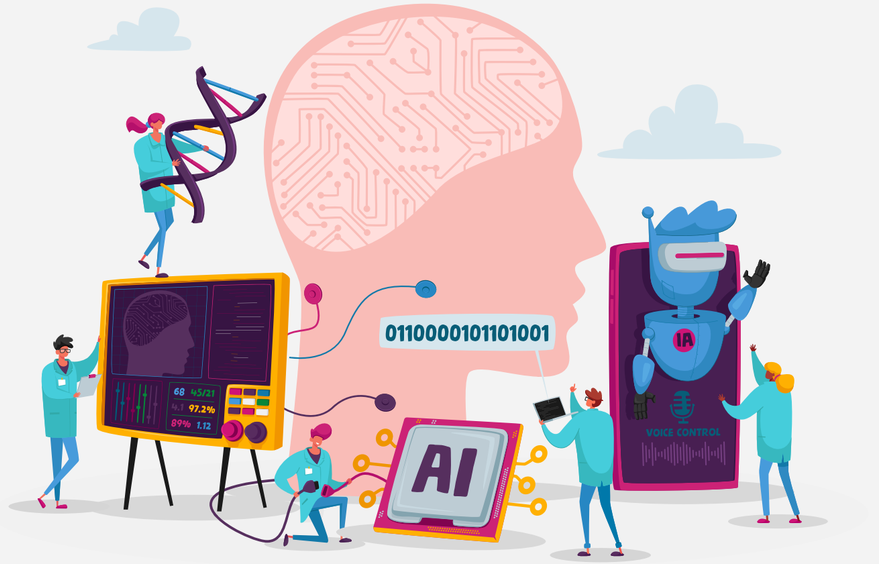


- **Team that embraces the culture of FIRST and shows what it means to be a team.**
- **Ambassador for *FIRST* programs and shows the recruitment of people not already involved with the STEM community.**
- **All team members contribute.**

Control Award

- Teams must apply for this award. It must be in the team portfolio.
- Celebrates a team that uses sensors and software to increase the robot's functionality in the field.
- The Control Award Submission form may not exceed 2 pages.

Innovate Award



- Team that has an innovative and creative robot design solution.
- Robot has elegant design, robustness and ‘out of the box’ thinking.
- Creative component must be stable and work reliably most of the time.

Connect Award

- **Connects the dots between community, *FIRST*, and the diversity of the engineering world.**
- **Given to the team that most connects with their local STEM community.**
- **Actively seeks and recruits engineers and other industry professionals and explores the opportunites available in the world of STEM.**

Think Award

- Given to team that best reflects the journey the team took as they experienced the engineering design process during the building season.
- Team should be able to describe or provide additional information to the judges about their portfolio content.
- Based on portfolio evaluation. The engineering portfolio should be created and maintained by students.

Inspire Award

-Top Honor in FTC

-Winner Advances to Worlds

- Given to the team that best embodies the ‘challenge’ of the FIRST Tech Challenge Program
- Winner is an inspiration to other teams and acts with Gracious Professionalism both on and off the playing field.
- Winner must be condender for several other judged awards.

Inspire Award: To be considered you need to be nominated for...

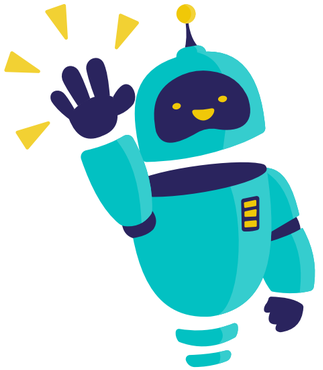
Think Award

+

At least 1 Robot Award

- Innovate
- Control
- Design

+



At least 1 Team Award

- Connect
- Motivate

FIRST KENTUCKY ROBOTICS

Your Support Team

KELLI

Program Delivery Partner-PDP

HEATHER

Program Delivery Partner-PDP

OTHER COACHES & MENTORS

AND YOU!

AS YOUR EXPERIENCE INCREASES

JEFF

Senior Mentor

JACKIE

Senior Mentor

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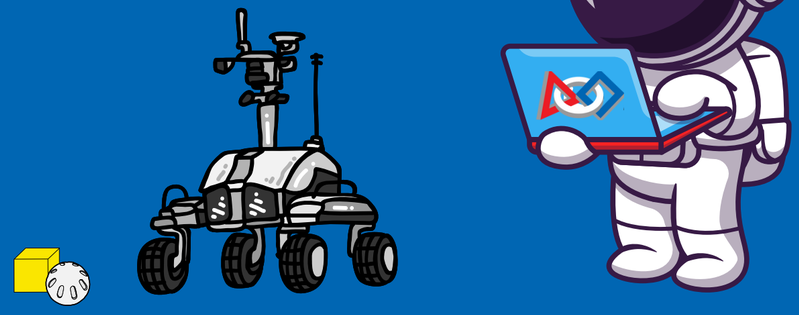
The material is based upon work supported by NASA and the Kentucky Space Grant Consortium under NASA award 80NSSC20M0047.



GOOD LUCK!

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