

How to Start an FLL RoboticsTeam

Presented by Becky Gonzales and Robin Mayes
FLL Coaches
Denton, Texas

What is FLL?

- ▶ FIRST LEGO League
- ▶ FIRST (For Inspiration and Recognition of Science and Technology)
- ▶ Started in 1992 by Dean Kamen
- ▶ Ages 9–14 (4th–8th grades)



FIRST Values



- ▶ We are a team.
- ▶ We do the work to find solutions with guidance from our coaches and mentors.
- ▶ We know our coaches and mentors don't have all the answers; we learn together.
- ▶ We honor the spirit of friendly competition.
- ▶ What we discover is more important than what we win.
- ▶ We share our experiences with others.
- ▶ We display Gracious Professionalism and Coopertition in everything we do.
- ▶ We have FUN!

Expenses

Robotics Kits & Supplies

- ▶ NXT Base Set
- ▶ Software
- ▶ Education Resource Kit



Competition Expenses

- ▶ Registration Fee \$225
- ▶ Practice Field Mat \$75
- ▶ Tournament Fee \$50–75
- ▶ Competition Table (optional, but recommended)
- ▶ Team t-shirt (optional, but great for team-building)

Fundraising Ideas

- ▶ Hexbugs
- ▶ Robotics Camps
- ▶ Student Fees
- ▶ Grants
- ▶ Community Sponsors



Choosing Team Members

- ▶ Something for Everyone
- ▶ Middle School/Elementary
- ▶ Parent Meeting
- ▶ Application Packet
- ▶ Congratulations Letter
- ▶ Permission Form



FLL Challenge

- ▶ Challenge Components
 - Robot Game
 - Research Project
 - Core Values

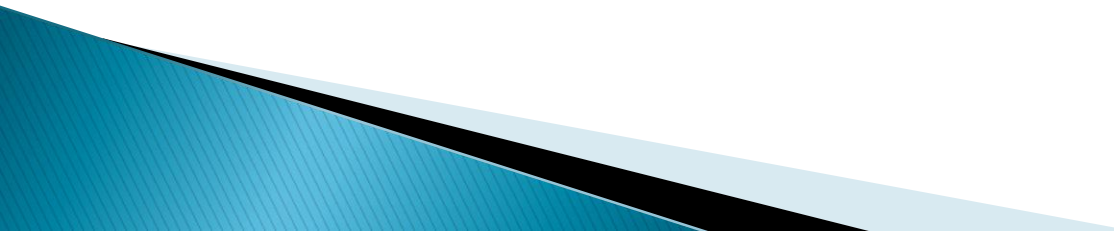


Judging and Awards

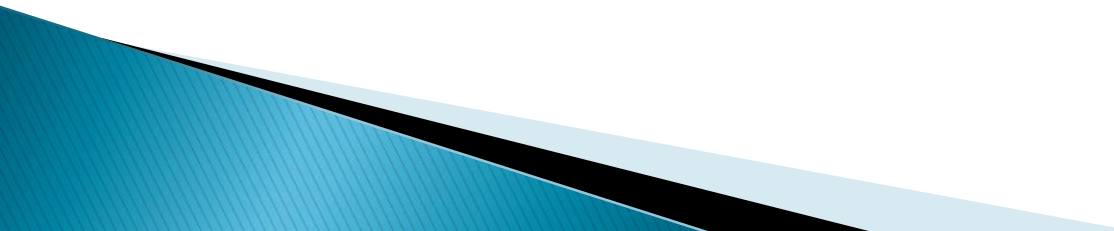
- ▶ Awards
- ▶ Rubrics
 - Robot Design
 - Project
 - Core Values



FLL Competition Timeline

- ▶ 2013 Topic: Senior Solutions
 - ▶ August 28—mission information released
 - ▶ October—registration for qualifier
 - ▶ December—FLL qualifying tournaments (Ryan High?)
 - ▶ January 2013—FLL regional tournament (Hockaday?)
- 

Team Meetings

- ▶ Organizing materials and kids
 - ▶ Scheduling meetings
 - ▶ Structuring meetings
 - ▶ Dividing up tasks
- 

Resources

- ▶ [Museum of Nature and Science](#)
 - ▶ [FIRST LEGO League \(FLL\)](#)
 - ▶ [Coaches' Training Sessions held at UTD](#)
 - ▶ [NXT Video Trainer](#)
 - ▶ [FLL YouTube channel](#)
 - ▶ [FLL Blog](#)
 - ▶ Book: [The Art of LEGO Mindstorms NXT-G Programming](#) by Terry Griffin
 - ▶ Book: [Winning Design!: LEGO Mindstorms NXT Design Patterns for Fun and Competition](#) by James J. Trobaugh
 - ▶ Book: [FIRST LEGO League: The Unofficial Guide](#) by James Floyd Kelly and Jonathan Daudelin
 - ▶ Dozens of websites, blogs, discussion groups, etc.
- 

Questions???

Becky Gonzales

bgonzales@dentonisd.org

www.dentonisd.org/WilsonRobotics

(940) 369-4508

Robin Mayes

rmayes@dentonisd.org

(940) 369-3131

