FIRST LEGO® LEAGUE: WHO?

- **FIRST**: NATIONAL ORGANIZATION hosting robotic youth events both nationally and internationally

- **FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY**

- Developed **FIRST Robotics Competitions (FRC)** for high school students

- Developed **FIRST Lego League (FLL)** for 9-14 yr olds
FIRST ROBOTICS COMPETITION (FRC)

IT ALL STARTED WITH...

FRC
FIRST LEGO® LEAGUE: WHEN?

- 1992: FRC begins with 28 teams
- 2004: 927 FRC teams internationally
- 1998: FLL begins with 200 teams
- 2003: 881 outside North America
  - 3450 North American teams
  - 55,000 students

1998 FIRST partners with Lego® to form FIRST LEGO® LEAGUE
FIRST LEGO® LEAGUE: WHAT IS THE MISSION?

- **Mission**: inspire children aged 9 through 14 to explore science and technology using real-world context and hands-on experimentation.
- **Strategy**: 8 weeks of teamwork design, building, programming, researching, testing, practicing
- **Team Goal**: compete in robotic competitions
- **Outcomes**: children learn science concepts, engineering design process, teamwork & technology skills, and face a problem solving challenge that focuses on a yearly theme.

“The 2005 Challenge” : Ocean Odyssey
FIRST LEGO® LEAGUE: What happens at a tournament=FUN!!

Present to judges:
- Technical Project
- Teamwork

Show team spirit!

Demonstrate Skill:
- Complete Robotic Tasks

Receive Recognition & Awards
Tournament Layout & Schedule

Schedule: Teams rotate throughout the day between various areas.

Judging Areas

Practice Table

The “Pit”

Tournament Performance Staging
2004 FIRST Lego® League Tournament

Statewide Statistics

Qualifying Tour.  4
Teams         48/108
Students      700
Coaches       118
Judges        22
Volunteers    55
Observers     300

Teams must attend a Qualifying Tournament for advancement to the Indiana State Tournament
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Where can you play a part in this event?

- Sponsor a team
- Form a team & coach or support the team
- Mentor/advise a team
- Volunteer at events
  - Judges
  - Referees
  - Tournament workers
Sponsor an FLL Team

- Cost for “start up”: $600
- Cost covers:
  - Lego Mind Storms or Robolab
  - Building Kit
  - Field Set Up Kit
  - 3 Registrations Fees: FLL Team registration, Qualifying Tournament and State Tournament
- Support team with mentors/advisors
- **State Tournament Sponsor:**
  - ITT Industries
Form, Coach and/or Mentor a team

- Anyone can form a team
  - 3-10 members (9-14 yrs. old)
  - Need a coach
  - Place to practice & program (need computer)
  - Storage place for materials
  - Mentors
  - Time to practice and work on the project (2-6 hrs/wk)

**Coaches:** learn the rules & guidelines, register the team, make sure teams have what they need (materials), guide the project, build enthusiasm, learn about robots
Tournament Volunteer

- **Judges**: join a panel of experts who evaluate teams in various categories
- **Referees**: oversee the Robot Performance and learn the guidelines to make judgment calls at the event
- **Tournament Help**: a variety of support tasks from including registration help, runners, judge assistants, field assistants, team support, technical help
FIRST LEGO® LEAGUE

- **Who to contact:**
  - Qualifying Tournament Director
  - Carol Dostal, State Tournament Partner
    - dostalc@ipfw.edu
    - 481-6905

- **Where to get information:**
  - National and State Websites:
    - www.etcs.ipfw.edu/fll
    - www.usfirst.org
    - www.firstlegoleague.org