

What is **FIRST**?

FIRST learning never stops building upon itself, starting at age six and continuing through middle and high-school levels up to age 18. Young people can participate at any level. Participants master skills and concepts to aid in learning science and technology through robotics.



**Junior FIRST®
LEGO® League**
Grades K-3
(ages 6-9)

Introduces the youngest children to the exciting worlds of science and technology.

REGISTRATION OPEN
August 2, 2010
–**June 30, 2011**



**FIRST®
LEGO® League**
Grades 4-8
(ages 9-14; 9-16
outside the U.S.
and Canada)

Guided by their imaginations and adult Coaches, children discover exciting career possibilities and learn to make positive contributions to society.



**FIRST® Tech
Challenge**
Grades 9-12
(ages 14-18)

An ideal next step after FLL. Teams develop strategy, build robots using LEGO MINDSTORMS® and TETRIX™ technologies, and compete head-to-head.

REGISTRATION OPEN
**May 3, 2010–
March 31, 2011**



**FIRST® Robotics
Competition**
Grades 9-12
(ages 14-18)

Teams compete with 120 lb. robots in this varsity Sport for the Mind™, combining the excitement of sport with the rigors of science and technology.

REGISTRATION OPEN
October 2010

Support Our Mission

YOU can help support our mission by coaching a team, hosting or organizing a local event, volunteering at an official tournament, attending an event and cheering on our teams, spreading the word about FLL, sponsoring the global FLL program or the efforts in your local region, or by simply making a donation... visit www.firstlegoleague.org.

Learn More About **FIRST**

Learn more about **FIRST** programs and volunteer opportunities, find an event near you, or subscribe to our quarterly Newsletter... visit www.usfirst.org.

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“Ten years from today, one of these students is going to be out in the world having done something extraordinary for a major, global problem.”

—**DEAN KAMEN, FIRST FOUNDER**



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

200 Bedford Street ■ Manchester, NH 03101

WWW.USFIRST.ORG



Use Your **LEGO**®
MINDSTORMS® **NXT**
Kit to Participate in
FIRST® **LEGO**® League!





What is **FIRST®** LEGO® League?

FIRST® LEGO® League (FLL®) is a robotics program for 9 to 14 year olds (9 to 16 outside the U.S. and Canada) which is designed to get children excited about science and technology — and teach them valuable employment and life skills.

FLL can be used in a classroom setting but is not solely designed for this purpose. Teams, comprised of up to ten children with at least one adult coach, can also be associated with a pre-existing club or organization, or just be a group of friends who wish to do something awesome.

Coaches do not need any technical experience. In FLL, the children do the work. And the work is comprised of programming an autonomous robot (using LEGO® MINDSTORMS® technologies) to score points on a thematic playing surface and create an innovative solution to a problem as part of their research project. Like any other organized “sport,” teams also fundraise, create a team identity, and go on field trips.

Some teams choose to attend an official FLL tournament or attend/organize a local event.

2010 FLL Challenge™ **BODY FORWARD™**



In 2010, FLL teams explore the cutting-edge world of Biomedical Engineering to discover innovative ways to repair injuries, overcome genetic predispositions, and maximize the body’s potential, with the intended purpose of leading happier and healthier lives.

Form a Team for 2010!

Registration is open until
September 30, 2010
or until all slots are filled.

Global Challenge Release
September 3, 2010
www.firstlegoleague.org

Impact (Brandeis University Study)

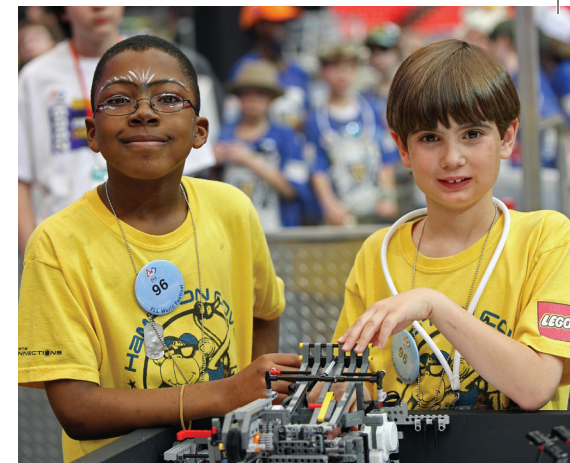
Independent studies of the **FIRST** LEGO League show that the program provides...

Positive impacts on participants, including:

- Increased interest in and understanding of science and technology
- Improved attitudes towards education
- Improved life and workplace-related skills

The kinds of experiences recommended by research on positive youth development, including:

- Clear expectations
- Opportunities for skill building
- Youth decision-making and responsibility
- Mentorship
- Scheduled use of after-school time
- Integration of family, school, and community



FLL Core Values

- We are a team.
- We do the work to find the solutions with guidance from our Coaches and Mentors.
- We honor the spirit of friendly competition.
- What we discover is more important than what we win.
- We share our experience with others.
- We display Gracious Professionalism™ in everything we do.
- We have FUN!