



FIRST®

LEGO® League: SPORT FOR THE MIND™

INDEPENDENT EVALUATIONS of the **FIRST®** LEGO League show that the FLL 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 that are 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

Source: Brandeis University FLL Program Evaluation 2009, available at www.usfirst.org

FLL®
FIRST®LEGO® League

FIRST® LEGO® League (FLL®) introduces young people, ages 9 to 16* (grades 4-8), to the fun and excitement of science and technology while building self-confidence, knowledge, and valuable employment and life skills. FLL challenges kids to think like scientists and engineers. Alongside adult mentors, FLL teams solve problems using engineering concepts, presentation techniques, and robots.

*9 to 14 in the U.S. and Canada

FLL Children

- **Solve** real-world engineering challenges
- **Discover** career possibilities
- **Apply** Core Values and learn to make positive contributions to society
- **Engage** with their community

FLL Teams

- **Apply** math and science concepts to research, design, build, and program autonomous robots
- **Use** LEGO MINDSTORMS® technologies
- **Gain** hands-on experience solving real-world problems
- **Learn** from and interact with adult mentors
- **Work** as a group to overcome obstacles and meet challenges

FLL Season Overview

May – Sept. **On-Line Registration**
 Early Sept. **Challenge Announcement**
 Early Sept. – Nov. **Build & Research**
 Nov. – Jan. **Tournament Season**



In 2010, more than 170,000 children will participate in FLL worldwide.

Exciting Tournament Experience

- **Opportunity** to participate in qualifying events and tournaments
- **Culmination** of 8 weeks of teamwork and mentoring
- **Teams compete** with their peers in high energy, sports-like events
- **Teams present** their solutions to a panel of judges
- **Team awards** presented include research & presentation, robot design, robot performance, and teamwork

What FLL kids accomplish is nothing short of amazing. It's fun. It's exciting. And the skills they learn will last a lifetime.

www.firstroboticscanada.org

BE A PART OF

The **FIRST**® LEGO® League (FLL):

FLL

FIRST®LEGO® League

The young people who participate in the **FIRST**® LEGO League are not only learning about science and technology, but also how to be good citizens.

FLL CORE VALUES

We are a team.

We do the work to find 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 experiences with others.

We display Gracious Professionalism™ in everything we do.

We have fun!

FORM A TEAM

- Schools, home schools, churches, civic organizations, community groups, and neighborhoods can form teams
- Up to 10 children, ages 9 to 16* (grades 4-8) *9 to 14 in the U.S. and Canada
- At least one adult
- Register on-line at www.usfirst.org (May through September, subject to availability)
- Principal costs range from \$800 for new teams to \$500 for returning teams

VOLUNTEER FOR FLL

- Volunteers include community leaders; employees of corporate sponsors; university students and faculty; parents; teachers; FIRST alumni; and friends.

ROLES INCLUDE:

- Mentor/Coach
- Team coordinator
- Fundraiser
- Tournament volunteer
- Judge
- Referee

BECOME A SPONSOR

- *Provide* financial support to teams
- *Help* host a tournament for your community
- *Involve* employees as mentors, coaches, and/or volunteers
- *Provide* equipment, facilities and/or training

FLL

FIRST®LEGO® League



FIRST® is a registered trademark, and Sport for the Mind™ and Gracious Professionalism™ are common law trademarks, of the United States Foundation for Inspiration and Recognition of Science and Technology (FIRST). LEGO® and MINDSTORMS® are registered trademarks of The LEGO Group. FIRST® LEGO® League and FLL® are jointly held trademarks of FIRST and The LEGO Group. © 2010 FIRST and The LEGO Group. All rights reserved.

P.O. Box 518, Pickering Main
Pickering, Ontario L1V 2R7

Phone **416 453 6844**

www.firstroboticscanada.org