MISSION

We inspire young people to pursue further studies and careers in the fields of science, technology and engineering.

We celebrate success in science, technology and engineering, through robotics competitions for students at the elementary and high school levels.

We develop communication, leadership and teamwork skills in our youth.

We engage the community through mentorship, sponsorship and volunteering at events.

WHAT IS FIRST LEGO® LEAGUE?

The FIRST® LEGO® League (FLL) is an international robotics program in which teams of young people aged 9-14 assemble robots (based on the LEGO Mindstorms kit) designed to accomplish tasks associated with a real-world “Challenge.” This competition combines the excitement of a varsity sport with hands-on training in science and technology to help students discover how rewarding a career in engineering or technology can be.

WHAT MAKES IT UNIQUE?

Students on FLL teams learn that science, engineering, and computer programming can be fun and engaging. They also spend time researching a real-world issue, communicating with professionals in the field, and presenting their solutions at the competition; thereby tying a literacy connection into the robotics competition as well. Unlike other school athletics, every student on a FIRST® robotics team has a chance to turn “pro.”

*All statistics are based on 577 participant respondents and 156 coaches responses

99%

Of students involved agree that science and technology can be fun!

Source: FIRST® Canada Survey

January 2011

2200

Students participating in FLL across Ontario.

12

Regional qualifiers found in Ontario every year.

Over 500

Volunteers assisting run events across the province.

“We need to show kids it’s more fun to design and create a video game than it is to play one.”

Dean Kamen
Inventor, Founder

FIRST®

www.firstroboticscanada.org
Coaches Summary

**90%**
Of coaches state that FIRST has taught their students the importance of helping others!

Source: FIRST® Robotics Canada Survey
January 2011

**96%**
Noticed an increase in their student’s interest in science and technology.

Source: FIRST® Robotics Canada Survey
January 2011

**81%**
Of coaches say FIRST has helped increase their students’ time management skills.

Source: FIRST® Robotics Canada Survey
January 2011

**540**
Qualifying tournaments worldwide this year.

**“Genius is 1% inspiration and 99% perspiration”**
Thomas Edison

**FIRST®** Robotics is a not-for-profit organization, and as such we rely upon our ever dedicated volunteers. The support of these volunteers is unconditionally the cornerstone piece of the **FIRST®** puzzle and without our coaches, parents, referees and countless others, our goals of inspiring today’s youth would be much harder to achieve.

Over 90% of coaches surveyed reported that they saw their team members’ interest and/or awareness of how math or science is used in the real world increase (94%).

Most coaches (90% or more) reported an increased understanding of basic science principles among participants and gains in a variety of life and workplace skills, including problem solving, teamwork, and leadership. Coaches also reported gains in presentation skills (82%), research skills (86%), and basic computer programming skills (92%).
87% Of students involved, report that participating has helped them ask questions they find important.
Source:
FIRST® Robotics Canada Survey January 2011

Over 1/3 Of all participants are female (37%).
Source:
FIRST® Robotics Canada Survey January 2011

95% Of students rated their overall experience with FLL as extremely positive.
Source:
FIRST® Robotics Canada Survey January 2011

45 Countries involved in the FLL program across the globe.

“One of the main missions of FIRST® Robotics is to help young students develop communication, leadership and teamwork skills. We provide an atmosphere in which every student has the chance to grow as an individual.”

“FIRST® equips our young heroes to solve hard engineering problems of the future with passionate regard for human dignity.”

Dean Kamen Inventor, Founder FIRST®

PARTICIPANT RESULTS

INTERESTS SUMMARY

One of the main missions of FIRST® Robotics is to help young students develop communication, leadership and teamwork skills. We provide an atmosphere in which every student has the chance to grow as an individual.

More than 85% of students reported that, as a result of FLL they felt an improvement in their ability to: identify steps they need to follow to complete a task (89%), work with other team members to identify and solve problems (99%), and manage their time in order to get more done (94%).

A large majority of participants account that, being involved in FLL has helped them learn how to: make a better presentation (89%), find more thorough information to answer questions (96%), and write an informative paper to explain their research project to someone not familiar with their topic (82%).

“FIRST® is a network of Gracious Professionals, passionately developing compassionate leaders from the youth of the world” Of the students surveyed, an overwhelming 91% agreed that they, as a result of participating in FLL, want to learn more about science and technology. In addition, 94% of students also agree that they are looking to pursue further education about computers and robotics (56% strongly agree).

Many students involved concur that due to their involvement in FIRST®, they understand better how subjects they learn in school relate to real world problems (97%), and are more interested in subjects at school (73%).
97% of students involved agree that science and technology can be used to solve problems in the real world.

Source: FIRST® Robotics Canada Survey
January 2011

96% agree that science and technology are important in everyday life.

Source: FIRST® Robotics Canada Survey
January 2011

95% of students say FIRST has helped them understand how science and technology solve problems.

Source: FIRST® Robotics Canada Survey
January 2011

171,000 children participating in the FLL program across the globe.

“FIRST is a network of Gracious Professionals, passionately developing compassionate leaders from the youth of the world”

Dave Lavery
Program Executive for Solar System Exploration, NASA

FLL
FIRST®LEGO® League
EVENT SPONSORSHIP

PLATINUM $25,000
GOLD $17,500
SILVER $10,000
BRONZE $5,000

Jr.FLL
Junior FIRST®LEGO® League
EVENT SPONSORSHIP

PLATINUM $17,500
GOLD $10,000
SILVER $5,000
BRONZE $2,500

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