



FIRST Robotics Team 2910

Jack in the Bot

Contents

- Who is Jack in the Bot?
- What is FIRST?
- STEM and Learning
- Coaches and Mentors
- Student Leadership
- Student Success
- Our Accomplishments
- 2018 Season
- Our Future
- Team Goals



Team Jack in the Bot

- Founded in 2008
- Coach: Maggie Thorleifson



Sharing machine shop space →
Hallway and classroom → Our
own portable!

FIRST

*For Inspiration and Recognition of
Science and Technology*

- Four robotics competition levels for engineers of all ages
- 61,000 teams across different levels in 95 countries

More information at firstinspires.org

Providing the Tools to Succeed

- Training
 - Engineering
 - Programming
 - Electrical
 - CAD
 - Safety and tools

Mentor guided, student led



“FIRST is a microcosm of a real engineering experience because it’s a problem too big, in a time too short, with a budget too small, and in fact a team too large.”

Dr. Woodie Flowers

National Advisor, FIRST

Professor of Mechanical Engineering, MIT

Leadership and Mentors

- Coaches: Maggie Thorleifson, Patrick Woolfenden
- Mentors bring industry experience: Boeing, FLUKE, Electroimpact, Microsoft
- Different branches of STEM learning

Student Leadership

Officer Roles

Director of Engineering	Team Administrator	Director of ASB Relations
Assistant Director of Engineering	Treasurer and Sponsor Relations	Director of Media and Marketing

- Subteam Leads
 - Mechanical
 - Electrical
 - Programming
- Head Scout
- Pit Captain
- Safety Captain

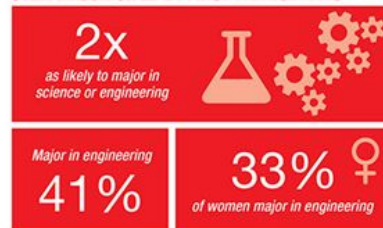
FIRST Legacy

- 75% of alums enter STEM fields
- 45% stay involved in FIRST teams
- \$80 million available in scholarships

FIRST® IMPACT

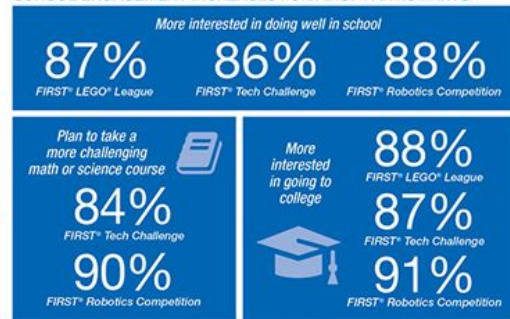
10 years of evaluation data indicates that with participation in FIRST®, team members are:

STEM MAJOR CITED BY FIRST PARTICIPANTS



Source: Brandeis University, 2005 Evaluation of FIRST® Robotics Competition Alumni

SCHOOL ENGAGEMENT INCREASES FOR FIRST PARTICIPANTS



Source: Brandeis University, 2011 FIRST® Tech Challenge – FIRST® Robotics Competition Evaluation and 2013 FIRST® LEGO® League Evaluation

21ST CENTURY WORK-LIFE SKILLS GAINED BY FIRST PARTICIPANTS



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Source: Brandeis University, 2011 FIRST® Tech Challenge – FIRST® Robotics Competition Evaluation and 2013 FIRST® LEGO® League Evaluation

FIRST ALUMNI IN STEM CAREERS



Source: FIRST, 2015 FIRST Alumni Survey



FIRST FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

www.firstinspires.org

Our Legacy

- 70 alums
- 96% of graduates attended college
- 90% of graduates working in engineering/technical fields
- Higher overall!



Inspiring Student Success

We prepare students with valuable career tools and advice!



Our Accomplishments

Awards:

- Rookie All Star (2009)
- Team Spirit (2011, 2012, 2016)
- Excellence in Engineering (2018)
- Engineering Inspiration (2013, 2014)
- Creativity in Design, Team Imagery (2015, 2016)
- Gracious Professionalism (2013, 2017)
- Competition Wins (2018)



Our Future

Offseason Project and trainings

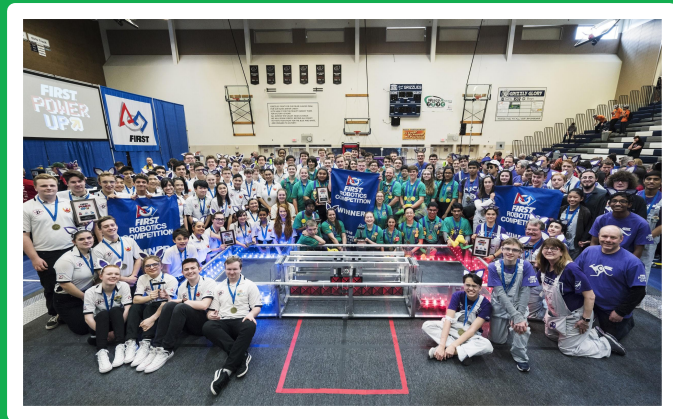
- Engineering, safety, and tool training
- Programming, CAD, media, electrical, and data analytics optional trainings
- West Coast Drive, ect.

Destination: Deep Space 2019



Team Goals

- Second robot for programming, training, and outreach
- Travel to World Championships
- Storage facility
- Student internships
- Mentor recruitment



Thank You!

