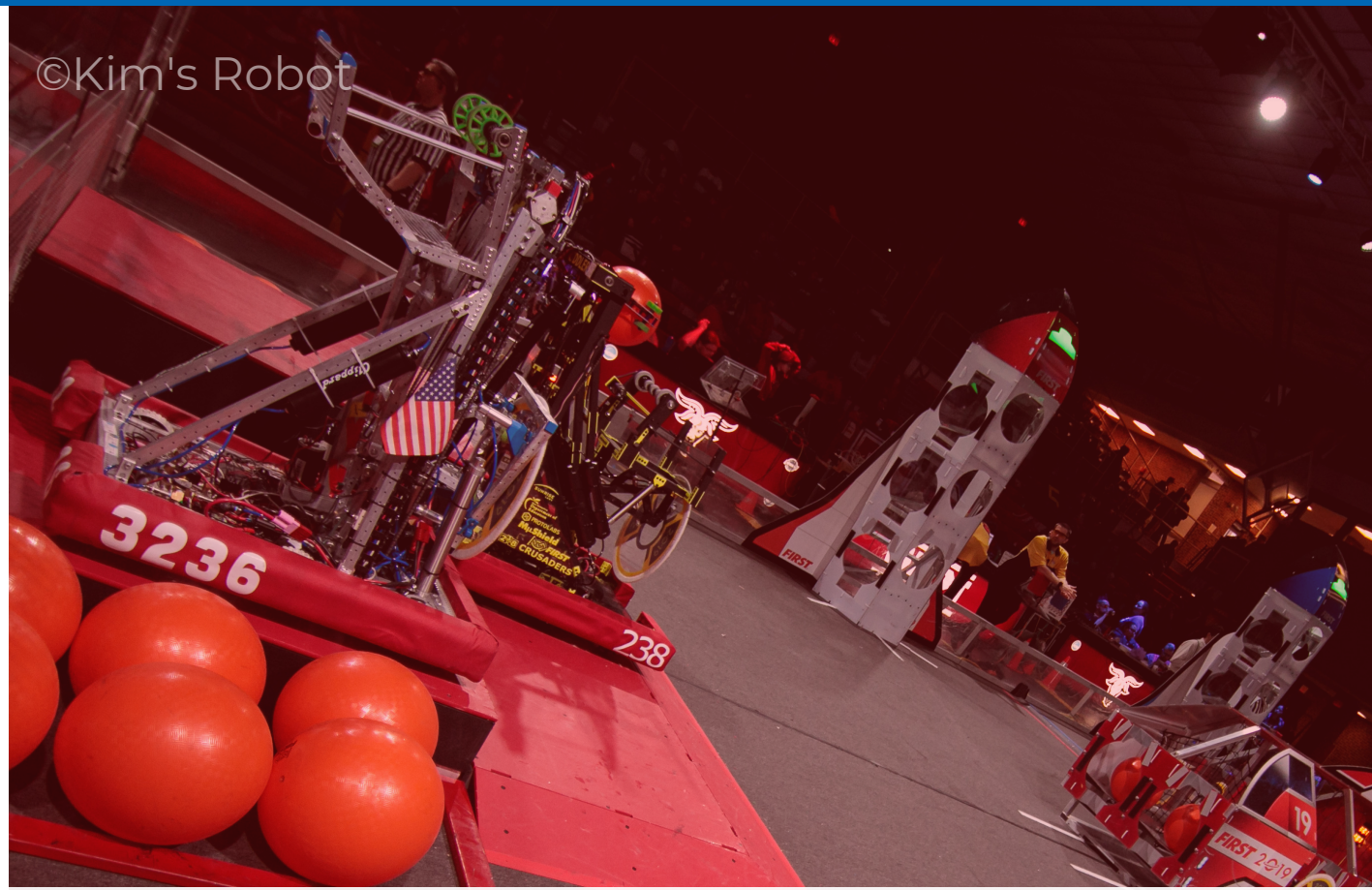
A History of FIRST Robotics (FRC) in MA

- **1992** — 3 teams: Clinton, MA; Marlborough, MA; Worcester, MA
- **1997** — 13 active teams; 10 new teams since 1992
- **2002** — 28 active teams; 15 new teams since 1997
- **2006** — Boston Regional Competition
- **2007** — 57 active teams; 29 new teams since 2002
- **2010** — WPI Regional Competition
- **2012** — 58 active teams; 1 new team since 2007
- **2014** — Boston District Event; WPI District Event; NE FRC Region Championship; Start of the District format
- **2015** — Pioneer Valley District Event; North Shore District Event; UMASS Dartmouth District Event
- **2017** — 75 active teams; 17 new teams since 2012; SE Mass District Event
- **2019** — Western NE District Event
- **2022** — 79 active teams; 10 new team since 2017



FIRST STATISTICS FROM

Center for Youth and Communities, Brandeis University. (2019). FIRST Longitudinal Study.

FOR MORE INFORMATION

FIRSTinspires.com
FIRSTinspires.org/resource-library/first-impact
http://sneac.info

THE IMPACT OF FIRST IN MASSACHUSETTS

About FIRST

Starting in New England in 1992, FIRST Robotics began as a means to get high school students excited about Science, Technology, Engineering, and Math. Since then, it's become a global competition that has impacted over 575,000 students.

FIRST's Mission:

"The mission of FIRST® is to inspire young people to be science and technology leaders and innovators, by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership."

FIRST offers 3 levels of competition:

FIRST Robotics Competition (FRC):
Grades 9-12 (ages 14 to 18)
FIRST Tech Challenge (FTC):
Grades 7-12 (ages 12 to 18)
FIRST Lego League (FLL):
Discover: Grades Pre-K-1 (ages 4 to 6)
Explore: Grades 2-4 (ages 6-10)
Challenge: Grades 4-8 (ages 9-16)

OUR GOALS

Job Projections in MA

2018-2028

Massachusetts Occupational and Industry Projections. Retrieved from https://www.mass.gov/massachusetts-occupational-and-industry-projections

Software Developers
+ 4704 Jobs ↑ 23.45%

Computer Systems Analyst
+ 907 Jobs ↑ 5.28%

Civil Engineers
+ 352 Jobs ↑ 4.07%

Architects
+ 279 Jobs ↑ 5.42%

Computer Hardware Engineers
+ 171 Jobs ↑ 7.38%

Electrical Engineers
+ 403 Jobs ↑ 5.15%

Industrial Engineers
+ 1122 Jobs ↑ 8.21%

Mechanical Engineers
+ 274 Jobs ↑ 2.63%

Why FIRST Teams Need Support

The Cost per FRC Team in New England

$5,000-$6,000	Team Registration, a Robot Kit of Parts & Event Entry
+ ***$5,000-$10,000***	Estimated cost to build a competition robot
$10,000-$16,000	Total for initial fees & robot build
+ ***$4,000***	Registration for NE District Championship if qualified
$14,000-$20,000	Total for initial fees, robot build & District Championship
+ ***$5,000***	Registration to World Chanpionship if qualified
$19,000-$25,000 *	Total for initial fees, robot build, District Championship & World Championship

*Not including cost of travel, food or team shirts