What is FIRST Robotics?

For Inspiration and Recognition of Science and Technology (FIRST) is an international youth organization that operates the following programs:
- FIRST LEGO League (FLL) Discover
- FIRST LEGO League (FLL) Explore
- FIRST LEGO League (FLL) Challenge
- FIRST Tech Challenge (FTC)
- FIRST Robotics Competition (FRC)

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 foster well-rounded life capabilities including self-confidence, communication, and leadership.

Methodology

Engage kids in kindergarten through high school in exciting, mentor-based, research and robotics programs that help them become science and technology leaders, as well as well-rounded contributors to society.

Support

NSWCPD helps teams secure grants sponsored by DoD STEM and provides mentorship of teams by scientists and engineers.

Ask Us

STEM inbox:
nswcpd_stem@navy.mil

Engage Us

STEM Chat Channel:
https://chat.navsea.navy.mil/channel/nswcpdstem

STEM Wiki:
https://wiki.navsea.navy.mil/display/NSWCPDSTEM/

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www.youtube.com/NavalSurfaceWarfareCenterPhiladelphiaDivision

For additional information please visit:
https://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Philadelphia/

FIRST Robotics combines the excitement of sport with the rigors of science and technology.

“Powering Today’s Fleet, Innovating Tomorrow’s”
FIRST Robotics Programs

- FIRST Lego League (FLL) Discover
  Ages 4-6, PreK-grade 1
  https://www.firstinspires.org/robotics/fll

- FIRST Lego League (FLL) Explore
  Ages 6-10, grades 2-4
  https://www.firstinspires.org/robotics/fll

- FIRST Lego League (FLL) Challenge
  Ages 9-14, grades 4-8
  https://www.firstinspires.org/robotics/fll

- FIRST Tech Challenge (FTC)
  Ages 12-18, grades 7-12
  https://www.firstinspires.org/robotics/ftc

- FIRST Robotics Competition (FRC)
  Ages 14-18, grades 9-12
  https://www.firstinspires.org/robotics/frc

NSWCPD pairs with teams to provide grants sponsored by DoD STEM and mentors specializing in mechanical engineering, electrical engineering, computer science, controls engineering, and more.

FIRST Core Values

**Discovery:** We explore new skills and ideas.

**Innovation:** We use creativity and persistence to solve problems.

**Impact:** We apply what we learn to improve our world.

**Inclusion:** We respect each other and embrace our differences.

**Teamwork:** We are stronger when we work together.

**Fun:** We enjoy and celebrate what we do!

Schedule

**May-June:** Teams apply for Grants

**August:** FLL Teams Kick Off

**September:** FTC Teams Kick Off

**November – December:** FLL Regional Qualifiers

**January:** FRC Teams Kick Off

**January – February:** FTC Team Regional Qualifiers

**March:** FTC PA Championship

**April:** FIRST Mid-Atlantic District Championship

**April-May:** FIRST World Championship