

## 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](mailto: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/>

## Follow Us



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[www.linkedin.com/company/naval-surface-warfare-center-philadelphia-division/](http://www.linkedin.com/company/naval-surface-warfare-center-philadelphia-division/)



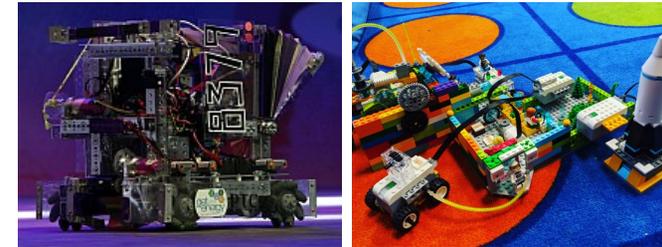
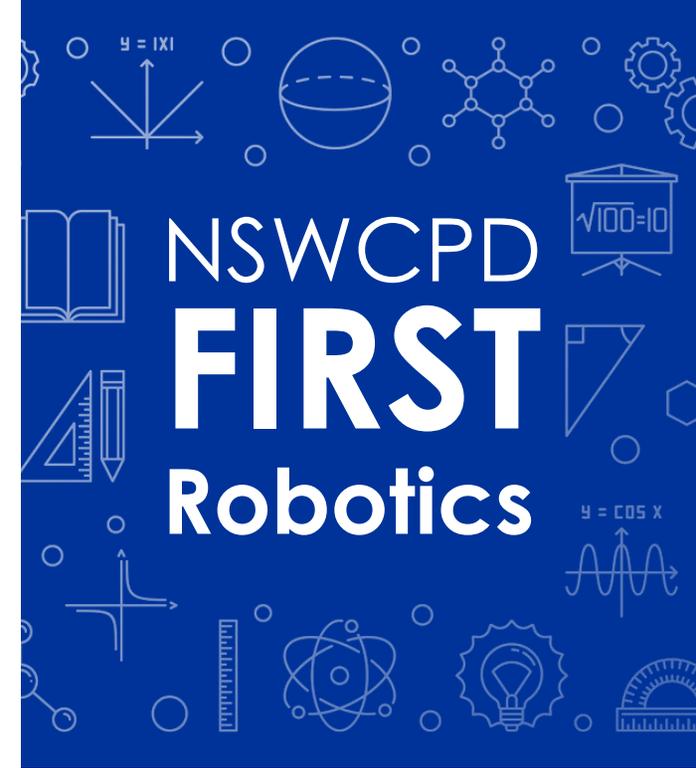
[www.youtube.com/NavalSurfaceWarfareCenterPhiladelphiaDivison](http://www.youtube.com/NavalSurfaceWarfareCenterPhiladelphiaDivison)

**For additional information please visit**

<https://www.navsea.navy.mil/Home/Warfare-Centers/NSWC-Philadelphia/>



"Powering Today's Fleet, Innovating Tomorrow's"



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



[www.firstinspires.org](http://www.firstinspires.org)

## 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

