

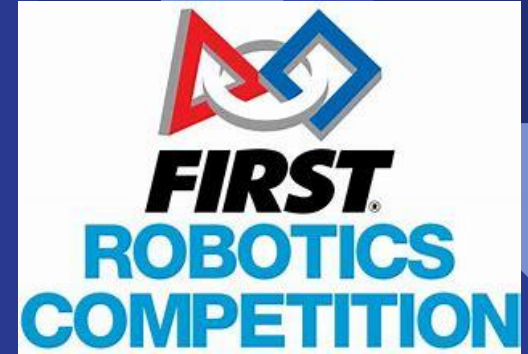
The ThunderStamps

FIRST Robotics Team 4907
From Parkside Collegiate Institute



FIRST - For the Inspiration and Recognition of Science and Technology

- ❑ FIRST is a worldwide recognized program that propagates the philosophy of STEM to students and innovates the concept of integrated branches of study.
- ❑ Competitions for children as young as 5 years old!
- ❑ FIRST Lego League Jr.
- ❑ FIRST Lego League
- ❑ FIRST Tech Challenge
- ❑ FIRST Robotics Competition



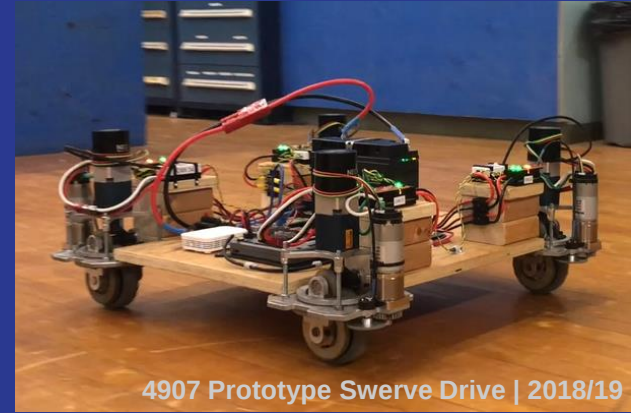
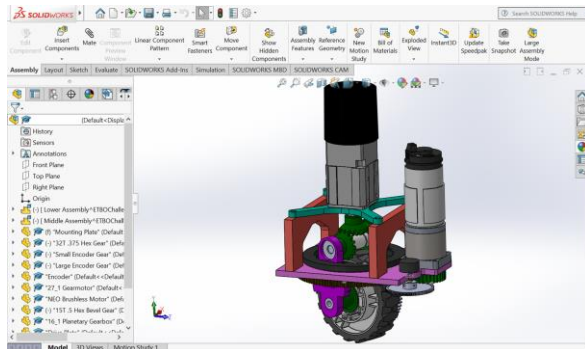
Our Team

- ❑ Our team is composed of five subdivisions:
 - ❑ Build*
 - ❑ Programming*
 - ❑ Communications
 - ❑ Media
 - ❑ Sponsorship*
- ❑ A student run team of about 50 students
- ❑ Have competed in competitions at the World level.



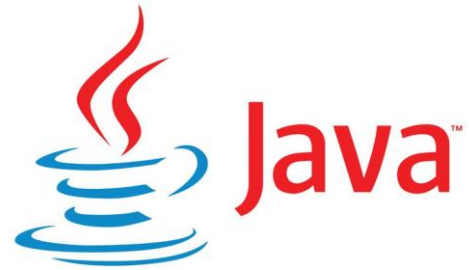
Build Team

- Responsible for the design of the robot using Solidworks CAD
- The team tests and prototypes possible designs for the season
- Parts are then machined and assembled by the Build Team
- Responsible for the electronics and wiring of the robot



Programming Team

- Responsible for all aspects of software of the robot
- Educates members about crucial skills in programming fundamentals and problem-solving skills
- Robot coded in Java
- Makes use of essential tools such as modular programming, PID control, and state machines



Sponsorship Team

- Approaches companies for financial support
- Organizes fundraisers
 - Boston Pizza
 - Foodtopia
 - Bottle Drive
- Plans outreach events
 - Optimist Park
 - Elementary schools
- Makes yearly budget



Recap of our 2018-2019 Season

Durham College

- Placed third
- Won the creativity award



McMaster Event

- Placed seventh
- Won our second creativity award



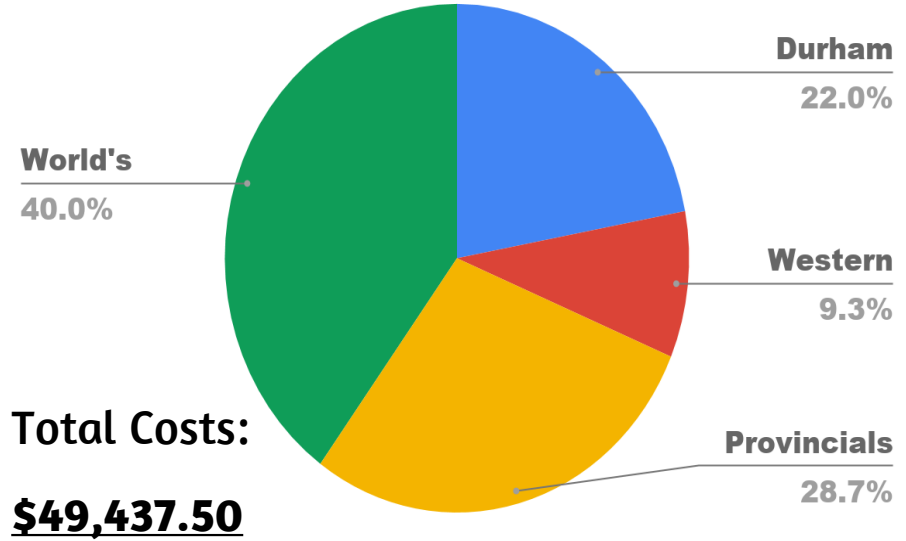
Recap of our 2018-2019 Season

- Moved onto Provincials from Durham and McMaster
- Won the Technology division and placed 2nd overall at Provincials ranking us 14th in Ontario
- Made it to the quarter finals at World Championships in Detroit



Our Budget

4907 2019-2020 Competition Budget



So Far

- The theme: Infinite Recharge powered by Star Wars
- Durham College Feb. 28th - Mar. 1st
 - Made it to quarterfinals
 - 12th in Ontario
 - *Innovation in Control Award*



Thank you!
