



Ways to Inspire Conference

September 29, 2018

Orchard Park Secondary School

200 Dewitt Rd, Stoney Creek

L8E 4M5 [map](#)

[Registration on line](#)

Doors open at 8:30am

Sessions begin at 9:00 am and end at 3:00 pm

Open house and Store Fronts from 12:30-1:30

Opportunity to see robots and talk with teachers who use them



Pizza and Salad Lunch

\$2.00 Donation

Come if you are a(n):

Elementary or Secondary Student

Elementary or Secondary Teacher

Team member, Alumni, Mentor or Parent

Volunteer or Administrator

Experienced, Rookie or Pre-rookie

Learn about:

Lego - FLL

VEX IQ

VEX

FRC

Curriculum

Clubs

Teams

Events

Strategy

Design

Mechanical

Electrical

Programming

Team Management

Equity & Diversity

Business

ROBOTS

Browse the



and



table

Note: There are 60 minute and 90 minute sessions in the morning and only 90 minute sessions in the afternoon

[Complete the Registration Form Here](#)

Bilal Qadar **Competition Season – A Guide to Robot Development**
FRC Games develop over time so how do you make or keep a robot competitive? This is a beginner's guide to developing a robot post bag day. Topics covered will be how to organize yourself, evaluate game progression, how to evaluate your robot's performance quantitatively and how to turn a robot around if it didn't meet expectations at the first event.

Malavya Shah & Shaqeeb Momen **FRC Strategic Design**
– How to decide your Robot Design
A highlight of how to approach strategic robot design in FRC. Focus on 1st week of build season with historical examples, showcasing effective decision-making processes for a successful season. Also includes an interactive mock kickoff.

Enzo Ciardelli & Emily Farkas **STEM Showcase and Curriculum**
With so many options in elementary schools for STEM education, teachers and parents need guidance on curriculum integration. Our presentation showcases many tools, such as robots and circuits, with sample lessons and curriculum links. We will also provide information on how robotics can be integrated into science education at various grade levels.

David Weir, Dan Siertsema, Jeff Adema **From Clubs to Classrooms.**
Starting your Robotics Journey
An introduction to starting Robotics at your school. This workshop will cover how to introduce robotics to your kids, develop roles and engage them in the process. Tips for clubs and curriculum links for classes. We will also explore HWDSBs Robotics competition using the Vex IQ challenge: Next Level.

Paul Menicanin **Starting and Running a Robotics Club in Elementary School**
An introduction to teachers on how to establish a thriving Robotics club in an elementary school setting.

Rod Hardman & Emma Hardman **Amateur Radio (Building, STEM and Radio Sport)**
A discussion and demonstration of Amateur radio and how it can complement Robotics and STEM at your school

Arti Javeri **Equity, Diversity and Inclusion – Keeping it Real on Our Teams!**
Seminar for Mentors & Students on strategies on EDI

Brendan Simons **How to Start an FRC team that lasts**
Comparing 5406's journey over 4 years to interviews with other lead mentors, I hope to draw conclusions about what it takes to start and run a successful, sustainable team. Extra time will be set aside for audience members to contribute their experience and ask and answer questions

Stan Hunter **FRC - Taking care of the little things**
The details that successful teams make sure are taken care of.

Ethan Elliott **Programming a 2056 Robot**
Starting from scratch: from brick to bot, and best practices. Starting with a blank canvas and writing the code required to have a driveable robot

Ethan Elliott **Building a scouting application with electron**
How we used popular open-source tools to develop a functioning scouting app.

Tyler Holtzman **23 Consecutive Regionals**
A look inside the season of Team 2056 covering our build schedule, decision making, design methodology, fabrication methods, techniques and assembly practices.

Stan Hunter **Mexico City – Our Experience at FIRST Global**
A look at our trip to Mexico City, FIRST Global and the impact of STEM around the World.

Oliver Mao, Will Alex, Sumeet Kler **Your Strategy needs a Strategy**
How to use strategic principles and data-driven decision making to plan match strategy

Matt Alderson, Angela Tolis, Monica Alderson **So You Want to Submit For Chairman's**
The nuts and bolts of submitting for Chairman's for the first time

Note: Sessions may be cancelled or moved depending on demand