



**Ways to Inspire Conference**

**September 28, 2019**

**Orchard Park Secondary School**

**200 Dewitt Rd, Stoney Creek**

**L8E 4M5 [map](#)**

**[Registration online](#)**

**Doors open at 8:30am (Coffee, Tea & Hot Chocolate)**

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

**Open house and Store Fronts from 12:20-1:30**

**Opportunity to see robots and talk with teachers who use them**

**A Special presentation by Kim Cooper about Girls in STEM in Cafeteria @12:30**

**Pizza and Salad Lunch - Minimum \$2.00 Donation Please**

**Come if you are a(n):**

**Elementary or Secondary Student**

**Elementary or Secondary Teacher**

**Team member or Alumni**

**Mentor or Parent**

**Volunteer or Administrator**

**Experienced, Rookie or Pre-rookie**

**Learn about:**

**Lego - FLL**

**VEX IQ**

**VEXPRO**

**FRC**

**FTC**

**Curriculum**

**Clubs**

**Teams**

**Events**

**Strategy**

**Design**

**Mechanical**

**Electrical**

**Programming**

**Team Management**

**Equity & Diversity**

**Business**



After 8:30 Registration and Welcome - Cafeteria					After 8:30 Registration and Welcome - Cafeteria		
Group 1 - 60 minute morning sessions					Group 2 - 90 minute morning sessions		
9:00 AM	An Introduction to Vex Robotics in HWDSB Weir, Siertsema, Adema	The road to submitting your Chairman's application Olivia & Joel Pink 2056	2056's Electronic Scouting System Caleb Mech 2056	FRC - Electronics and wiring Nipun Chheda 1241	9:00 AM	FRC - How to prepare for a competition Stan Hunter 2056	A look inside the competition season of team 2056 Tyler Holtzman 2056
10 minute Break					20 min Break		
10:10 AM	Elementary STEM Showcase Enzo Ciardelli HWDSB	FRC 2020 - What Lies Ahead - Open Talk John Hobbins	Bag day is gone, what now? Bilal Qadar 1325	FRC Parent Panel 1 2056 Parents	10:50 AM	Managing Luck: Using Continuous Improvement and other High Performance Processes to improve your FRC odds Pinto & Simons 5406	FRC Strategic Design - How to decide your Robot Design Shah & Momen 1241
10 minute Break							
11:20 AM	Running a VEX IQ Robotics Club in Elementary School Paul Menicanin	FRC 2020 - What Lies Ahead - Open Talk John Hobbins	Fundamentals of Coaching in FRC Rishi Jotsinghani 1310	FRC Parent Panel 2 2056 Parents			
12:20 AM 70 min Lunch, Store Fronts, & Open House Girls in STEM Talk in Cafeteria					12:20 PM 70 min Lunch, Storefronts, & Open House Girls in STEM Talk in Cafeteria		
1:30 AM	How to integrate Robotics and coding into the classroom Ramy Ghattas LOGICS	Are you a Rookie FTC Team? Here's how to start your season right Derek Murphy Studica	Autonomous Mining Michael J Martin		1:30 PM	Strategy - More than meets the eye Shahroze Rao & Anna VanDuzer 1241/2056	A look inside the competition season of team 2056 Tyler Holtzman 2056
3:00 PM Clean up and Departure					3:00 PM Clean up and Departure		

Team Management
Electrical
Mechanical Design
Programming
Awards
Elementary Robotics
Strategy
2056 Related
Other

Select three 60 minute or two 90 minute sessions for the morning and one of five 90 minute sessions for the afternoon.

[Registration online](#)

<p><b>An Introduction to Vex Robotics in HWDSB</b></p> <p>Dave Weir, Dan Siertsema, Jeff Adema</p>	<p>This session will give you an opportunity to learn about VEX robotics in HWDSB; how you can connect their use to curriculum, begin a club or team and find out more about the HWDSB VEX Robotics competition in 2019-2020</p>
<p><b>Elementary STEM Showcase</b></p> <p>Enzo Ciardelli</p>	<p>Our session allows elementary teachers, parents and students to interact with many STEM tools such as: Microbits, VEX robots and Arduinos. The focus will be sharing skills while using these items. We will also share ordering information and lesson ideas.</p>
<p><b>Running a VEX IQ Robotics Club in Elementary School</b></p> <p>Paul Menicanin</p>	<p>This session will introduce teachers on the basics of starting and running a VEX IQ Robotics club at the elementary level.</p>
<p><b>How to integrate Robotics and coding into the classroom</b></p> <p>Ramy Ghattas</p>	<p>A look at what we have been doing for teachers and classrooms throughout Ontario with robotics, STEM and coding.</p>
<p><b>The road to submitting your Chairman's application</b></p> <p>Olivia Pink &amp; Joel Pink</p>	<p>Strategies and Tips for entering the whole Chairman's Application</p>
<p><b>FRC 2020 - What Lies Ahead - Open Talk</b></p> <p>John Hobbins</p>	<p>Catch up on: Mentor Team Certificates year 2, learn what to expect without a Stop Build deadline, hear FIRST updates, catch up on event registrations. This is your chance to present questions to FRC Director John Hobbins</p>
<p><b>Are you a Rookie FTC Team? Here's how to start your season right</b></p> <p>Derek Murphy</p>	<p>The FTC season can be tricky to navigate if you're new to the program. However, understanding a few key things will help you put all the pieces together and get your season rolling right.</p>
<p><b>FRC - How to prepare for a competition</b></p> <p>Stan Hunter</p>	<p>The preparations that go on before 2056 arrives at an event. How do we prepare our team, our robot and ourselves</p>
<p><b>FRC – Electronics and Wiring</b></p> <p><b>Nipun Chheda</b></p>	<p>Electronics, wiring and solutions to electrical problems during competition</p>
<p><b>A look inside the competition season of team 2056</b></p> <p>Tyler Holtzman</p>	<p>A look inside the competition season of team 2056</p>

<b>FRC Strategic Design - How to decide your Robot Design</b> Malavya Shah & Shaqeeb Momen	In depth look into best practices for build season and designing robots while going over types of mechanisms. We will also be completing a Mock Kickoff with all the participants.
<b>2056's Electronic Scouting System</b> Caleb Mech	Pros and cons of paper vs. electronic scouting, what 2056 has learned after two years of electronic scouting, and a walk through of last year's scouting app covering its features and design decisions that were made.
<b>Bag day is gone, what now?</b> Bilal Qadar	Bag day is now a thing of the past. Come and learn how this will affect your teams design process, build timelines and robot iteration!
<b>Managing Luck: Using Continuous Improvement and other High Performance Processes to improve your FRC odds</b> Chris Pinto & Brendan Simons	Celt-X has gotten better every year through a concerted effort to recognize our shortcomings, recognize "industry" best practices, and make improvements. After 5 years, this has coalesced into some pretty useful team-management tools. Chris and Brendan will share some of the Celt-X's most effective techniques for maximizing performance and minimizing risk over time
<b>Strategy - More than meets the eye</b> Shahroze Rao & Anna VanDuzer	We would like to introduce the workings of game strategy and specifically the points that are often overlooked. We will be looking into ways to formulate strategies that can be carried over year to year along with details that should often be looked at to gain the upper hand. Our plan is to use numerous examples from previous years games to keep the audience engaged.
<b>Fundamentals of Coaching in FRC</b> Rishi Jotsinghani	I'd like to share the lessons and best practices I've learned over my six years coaching in FRC. This presentation will cover the basics of coaching, how to prepare a drive team for the season, and how to lead an alliance through eliminations. I plan to walkthrough some of my experiences in tense situations and provide insight into how I deal with split-second decisions behind the glass.
<b>Autonomous Mining</b> Michael J Martin	This presentation will share with the audience how the mine of the future will operate with dozens of fully autonomous vehicles carrying over 800,000 tons in an open pit environment
<b>FRC Parent Panel</b> 2056 Parents	An interactive panel, discussing what to expect in the 1st, 2nd, 3rd year... as the parent of a Team member - 2056 or otherwise, and how to support our crazy kids on this wild ride.

***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](#)**