

**K-12 Stream with k2i academy, Lassonde School of Engineering
Saturday, June 18, 2022**

Program Overview

We invite Grade 7-12 and post-secondary educators to join us for a day of conversation, networking, and hands-on learning! Connect with us and learn about some of the resources k2i academy has developed to support science curriculum implementation.

Schedule

Time	Activity	Title and Description (for registration website)
9:00 a.m. – 9:15 a.m. (15 minutes)	Welcome and Opening Remarks	<p>Welcome and Opening Remarks</p> <ul style="list-style-type: none"> • Land Acknowledgement • Welcome from k2i academy • Overview of the day
9:20 a.m. – 10:20 a.m. (60 minutes)	Plenary Session	<p>Title: Equity, Diversity, and Inclusion in STEM: Creating Disruptive Change</p> <p>Description: Join us in a dynamic conversation to explore opportunities to create disruptive change in STEM education. Bringing together different perspectives to imagine an equitable and inclusive future!</p> <p>Moderator: Dr. Solomon Boakye-Yiadom Assistant Professor, Mechanical Engineering York University</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Dr. Vidya Shah, Assistant Professor, Faculty of Education, York University • Mahfuza Rahman, Coordinating (Acting), Math, Science, STEM and Robotics, Toronto District School Board (TDSB) and President-Elect, Science Teachers’ Association of Ontario (STAO) • Randy Herrmann, Director, ACCESS Programs, University of Manitoba • Regan Dixon, Senior Manager - Systems Integration and Control Systems, General Motors Canada
10:20 a.m. – 10:30 a.m. (10 minutes)	Transition	n/a
10:30 a.m. a.m. – 11:45 a.m. (75 minutes)	Workshop A	Title: Bringing STEM to Life: Engineering Life Saving Satellites for Grade 9 Science

		<p>Panel Participants: Vanessa Ironside, Program Officer, k2i academy and guest presenters.</p> <p>Description: Satellites save lives! Teachers will engage in an interactive workshop to learn about a new resource for Grade 9 Science. In this session, teachers will be learning about how objects orbit planets in space, explore engineering design to build a model satellite using electronics and micro:bits, and learn to apply computational thinking and coding to design solutions.</p>
	Workshop B	<p>Title: Indigenous Engineering, Technology and Design for Science</p> <p>Presenter: Bryan Bellefeuille, Secondary STEM Educator, Algoma District School Board</p> <p>Description: Join us in an interactive session to learn about traditional Indigenous STEM. In this session, you will have an opportunity to learn about traditional Indigenous technologies and innovations and how to incorporate this learning within your science program.</p> <p>Biography: Bryan Bellefeuille is a firekeeper, a grass dancer, a traditional fisherman, and a father of three. Bryan graduated from the Schulich School of Education at Nipissing University after completing an undergraduate degree in Mathematics. He previously worked with Indigenous people within the Ontario and Canadian Criminal Justice System as a Gladue Report Writer. Bryan has been an invited speaker for conversations in Ontario mathematics curriculum and Indigenous mathematics and most recently shared his perspective with the CBC. Currently, Bryan is teaching Secondary mathematics and Ojibwe language in Blind River, Ontario.</p>
11:45 a.m. – 12 noon (15 minutes)	Wrap-up	<p>Wrap-Up</p> <ul style="list-style-type: none"> • Debrief • Q&A with k2i academy • Post-Survey • Invitation for K12 educators to attend any other sessions that are of interest to them.
12 noon – 1:15 p.m. (75 minutes)	Lunch (in conjunction with other conference attendees)	Lunch
1:15 p.m. – 2:00 p.m.	Tour	Tour of Lassonde School of Engineering