



AGENDA

Administrator | May 11th, 2018
Hilton Meadowvale, Mississauga ON

FRIDAY MAY 11, 2018

Time	Agenda Item	Location
7:00am to 8:30am	Conference Registration open	Hotel Lobby
7:00am to 8:45am	Breakfast and Conference Opening	Graydon Ballroom
Plenary C - 1 9:00am to 10:10am		

Plenary C - 1 Connecting Technological Education to Ontario's Renewed Vision of Education and the Highly Skilled Workforce Report

Sean Conway (former Ontario MPP and Education Minister) is the Chair of the Premier's Highly Skilled Workforce Expert Panel. This group was responsible for creating the "Building the Workforce of Tomorrow- a Shared Responsibility" report released in June 2016. This report provides several key recommendations to help the province's current and future workforce adapt to the demands of a technology-driven knowledge economy. Sean will speak to the need to rethink what it means to learn, understand how the workplace is changing, and consider how respective roles and responsibilities of all education stakeholders and partnerships must adapt in order for Ontarians to thrive in a 21st century global economy.

EDU and Sean Conway, Chair Highly Skilled Workforce

Rooms TBA
English

Plenary C - 2 La quatrième révolution industrielle

Cet exposé se veut un début de réflexion et d'enquête continue à la fois individuelle et collective, sur l'avenir de l'enseignement et de l'apprentissage et ce, dans toutes les matières. C'est aussi un aperçu de la conjoncture dans laquelle nous nous retrouvons et avec laquelle nous devons dorénavant composer quant au niveau de préparation des entreprises aux technologies émergentes et perturbatrice, à l'impact de l'automatisation et de l'intelligence artificielle sur l'économie et les marchés de l'emploi et comment ces changements profonds devraient forcément à leur tour, avoir une incidence sur notre approche à l'apprentissage et l'enseignement de la maternelle à la 12ème année et auprès de nos apprenantes et apprenant adultes. On considérera finalement, l'apprentissage par l'expérience axé sur la communauté, comme un moyen privilégié pour développer les compétences globales de notre jeunesse du 21ème siècle et d'aborder leurs besoins pour assurer leur réussite dans un monde dynamique, incertain et branché.

Geneviève Patry, Agente MEO

Rooms TBA
French

10:10am to 10:50am	Coffee Break in Vendors Display Area
Session D 10:50am - 12:00pm	

Session D - 1 Programming VEX Robots using ROBOTC

Introduction to Programming VEX Robots using ROBOTC – ROBOTC is a cross-robotics-platform programming language for popular educational robotics systems. ROBOTC is the premiere robotics programming language for educational robotics and competitions. ROBOTC is a C-Based Programming Language with an Easy-to-Use Development Environment. Workshop will cover: basic configuration of ROBOTC, basic programming code, downloading program to VEX robot, programming the robot to navigate a maze. Attendees will need to bring their own computer (windows).

Mario DeCarolis - iDESIGN Solutions

Rooms TBA
English

Session D - 2 SHSM and Technological Education Data Overview

This Ministry of Education session provides an overview of enrolment and student achievement data for technological education related SHSM programs. GIS mapping technology will visually demonstrate where SHSM programs based in technological education exist across school boards. Attendees will be able to utilize their local technological education data to make informed decisions regarding technological education programs and SHSM program opportunities.

Ministry SHSM Team

Rooms TBA
English

Session D 10:50am - 12:00pm	
------------------------------------	--

Session D - 3 Brock University Technological Education Pre-Service Program

Ever wonder what is being delivered in the new Technological Education Pre-service Program now that teacher education programs are two years in length? Members of the teaching team at Brock University will present an interactive workshop that outlines the Brock University Hybrid Program. This new model is 16 months in length, primarily delivered in an on-line format along with a minimum of 80 days of practicum. The teaching team will relate their experiences and seek input into the first hybrid program that started January 2017 and ends May 2018. The team is considering revisions to the program and will be looking for constructive feedback from the workshop attendees.

Brock University Technological Education Staff

Rooms TBA
English

Time	Agenda Item	Location
Session D 10:50am - 12:00pm		
	<p>Session D - 4 Regional Solutions for National Challenges</p> <p>Edge Factor will engage the audience with our rich media and educate them on our different platforms. We will explain our holistic approach and strategy in regards to bridging the gap between education and industry in communities.</p> <p><i>Julie Neufeld - Edge Factor</i></p>	Rooms TBA English
	<p>Session D - 5 Certified Renewable Energy Trainers</p> <p>Progressive Educational Systems is a manufacturer of renewable energy training systems for Wind, Solar PV, Solar Thermal, Geothermal, Hydrogen and Bio Diesel. Progressive’s curriculum has been approved by the international body ETA which prepares students to take the ETA exams for small wind and solar PV installation. Students who choose to write this exam will be recognized as a level one small wind or solar PV installer. Attend this session to see how any of these systems can help get your students on the way to a career in the world of renewable Energy.</p> <p><i>Paul Riddell - Progressive Educational Systems</i></p>	Rooms TBA English
	<p>Session D - 6 “The Tech Revolution in the Ontario Agriculture Industry”</p> <p>As the province’s largest economic sector, the agriculture and food industry also has one of the fastest rates of technology adoption. An exciting opportunity given the world’s hunger for Ontario’s agricultural products, including both food and bio-products this industry is poised for significant growth. Our primary producers and processing businesses within the agricultural industry are rising to unique challenges of increasing labour costs, shortage of skilled workers, improving operational efficiency, optimizing production inputs and output for maximum profitability while producing agricultural products in an environmentally sustainable system with technology. As the average farm business size continues to grow, our producers have been rapidly integrating technologies into their operations including smart phones, robotics, GPS, environmental sensors, biometric tags, drones and autonomous field equipment to name just a few. The future of Ontario Agriculture is extremely exciting and technology will play an integral role in ensuring our industry remains competitive and achieves the growth targets within a global marketplace. The tech-related career opportunities for our youth within the agriculture industry are beyond belief.</p> <p><i>Eric Richter, Agronomic Sales Representative, Syngenta Canada</i></p>	Rooms TBA English
	<p>Session D - 7 Virtual Reality Training and Augmented Training Systems</p> <p>Virtual reality training and augmented training systems are quickly being recognized by educators across Canada as a highly effective, motivating and engaging instructional resource in all areas of technology education. Progressive Educational Systems is proud to be the exclusive provider of all the leading VR producers in Canada.</p> <p>In this session we will be demonstrating solutions for VR Software Residential Construction, CNC Router/Laser Engraver Combo Machine and VR for Equipment Operator like Backhoe, Bull Dozer, Wheel Loader, Excavator and Dump Truck. Following the session participants are welcome to wander around the virtual construction site and check their skills at framing, window installation or other residential construction tasks. As well as test their abilities on a VR Dozer!!</p> <p><i>Mark Liggins - Progressive Educational Systems</i></p>	Rooms TBA English
	<p>Session D - 8 Solutions didactique Francophone</p> <p>Progressive Educational Systems est un fournisseur de ressources didactique depuis 1992. Depuis 2006 nous produisant nos modules de formation aux énergies renouvelables, pour la formation aux énergies éoliennes, solaires, géothermique et thermo solaire maintenant disponible en français. Lors de cette session, nous explorerons ces solutions ainsi que toutes nos autres solutions disponibles en français : CAO, FAO, Réalité virtuel, soudage... Francophone training solutions</p> <p>Progressive Educational Systems has been a supplier of technical educational solution since 1992. We have been manufacturing and developing renewable energy training systems since 2006 in the area of wind, solar, geothermal, solar thermal...now available in french. Come to this session to learn more about these solution as well as information about our other francophone resources: CAD/CAM, Virtual reality, welding and more.</p> <p><i>Éloïse Rolland-Carmichael - Progressive Educational Systems</i></p>	Rooms TBA English
Session D 10:50am to 12:00pm		
	<p>Session D - 9 D2L for the Transportation Teacher - Don’t reinvent the wheel!</p> <p>Publicly funded teachers (Public & Separate school boards) have access to both Desire 2 Learn (D2L) and the Ontario Education Resource Bank (OERB). D2L is an online learning management system that you can use for free to deliver MOE curriculum, collect assignments, and deliver tests (which mark themselves!). OERB contains both the Public and Catholic Transportation grade 10, 11, and 12 curriculum (text, pics, multimedia, web links, tests, etc) that can be downloaded and used in your D2L. Forget textbooks and paper, go online and paperless. The MOE content includes all units in each grade of Transportation Technology and follows the curriculum guidelines for grade 10, 11, and 12 exactly. You will save hours in both prep, marking, and photocopying next school year! Come discover the power of online learning in Transportation Technology in this session!</p> <p><i>Clark Chernak and David Szuty, BHNCD SB</i></p>	Rooms TBA English

Time	Agenda Item	Location
	<p>Session D - 10 CDX Learning: Automotive & Heavy Transport eLearning</p> <p>CDX Learning has just released its new Automotive & Heavy Transport textbooks and online eLearning courses. This session will provide an overview of our new products and how they relate to your T/J curriculum. New features such as text reading will also be demonstrated. If you have questions about developing eLearning courses for any subject, they will be answered at this presentation.</p> <p><i>Mark Murray - CDX Learning Canada</i></p>	Rooms TBA English
	<p>Session D - 11 MOL Safety Training and Updates</p> <p>This session provides a short update about what's new in the Ministry of Labour. This includes mental health as a priority for both schools and PVO, the Construction grade 11 and 12 pilot with OCTE, details about the voluntary standard and how it will work and the future with other sectors. There will be an opportunity for input from OCTE members on future sector partnerships, HSAs and other partners and what they have to offer.</p> <p><i>Jules Arntz-Gray, Director, Training and Awareness Branch, Prevention Office, Ministry of Labour</i></p>	Rooms TBA English
	<p>Session D - 12 How to wear your Engineering Hat</p> <p>Connecting with volunteer STEM Professionals to explore engineering experiences in the classroom.</p> <p><i>Engineers of Tomorrow (Engineer in Residence Program)</i></p>	Rooms TBA English
	<p>Session D - 13 Preparing Students for Today's Mobile Workforce</p> <p>Mobile technology is transforming the way we learn and work. Join a discussion of how digital literacy and fluency with mobile technology are essential to career success. You'll discover the skill sets employers expect from today's graduates and explore how carefully designed technology initiatives can prepare students for career success.</p> <p><i>Apple Canada Team</i></p>	Rooms TBA English
	<p>Session D - 14 Véhicule téléguidé de démolition « Smash Derby »</p> <p>Dans cet atelier, les participants découvriront les étapes à suivre pour construire des véhicules téléguidés de démolition à l'aide du logiciel Inventor et d'une imprimante 3D. Les fonctions de tôlerie (sheet metal) et des engrenages seront explorées ainsi que les différentes composantes nécessaires au bon fonctionnement du véhicule téléguidé. Les participants pourront conduire des véhicules téléguidés de démolition et observer des autos construites par les élèves. Une démonstration des robots MBOT qui sont très abordables. Cet atelier démontrera comment il est facile de programmer avec le logiciel.</p> <p><i>Justin Boucher CSC Mon Avenir</i></p>	Rooms TBA 9-12 French
	<p>Session D - 15 "Empower Learners and Enhance their Communication Skills"</p> <p>Typically students attracted to technological studies are kinesthetic learners that have demonstrated lower enthusiasm and inclination toward learning skills that are rooted in traditional communication studies. Relevancy in curriculum creation and holistic sensory delivery are key ingredients necessary to captivate the technological student and drive effective course development.</p> <p>The intent of this session is to discuss the creation of five innovative teaching activities, developed as part of a research and innovation project, for faculty within the construction sector to empower learners, enhance their communication skills, and help foster an effective learning environment. These activities are designed to encourage active participation in speaking, listening, (Card Task, Toolbox Talk), comprehension (Instructional Video Series), and written (Weekly Lab Workbook, Building a Technical Report), skills through experiential learning, reflective practice, and narrative inquiry. It is proposed that when subject specialists "uncover" these activities, holistic student engagement will occur and real or perceived learning barriers will be minimized. As educators, finding ways to engage learners is critical to a meaningful experience for all stakeholders. Through informal dialogue OCTE participants will be encouraged to reflect on their own curriculum development strategies to generate innovative teaching activities applicable to their subject matter and teaching environment. After attending this session, participants will be encouraged to: Integrate elements of the various communication skills into their curriculum development. "Uncover", through experiential learning, an innovative and strategic approach to purposeful curriculum development.</p> <p><i>Steve Gedies, Fanshawe College</i></p>	Rooms TBA English
	<p>Session D - 16 Projet STEAM 3D Makerlab en français</p> <p>Lors de cette présentation, nous partagerons les résultats de recherches menées par UOIT (University of Ontario Institute of Technology) dans 60 écoles élémentaires de l'Ontario en collaboration avec les enseignants. Les recherches portent sur la mise en œuvre des espaces de création (Makerspace) et de la pédagogie maker. Nous allons présenter la façon dont les pédagogies et le développement d'une culture maker en classe ont aidé les élèves à développer des compétences globales telles que la pensée critique, la créativité, la collaboration, la communication et d'autres compétences transférables telles que la persévérance et la résolution de problèmes. Les enseignants souligneront les défis ainsi que les succès observés dans leur travail avec les étudiants.</p> <p><i>Janette Hughes, University of Ontario Institute of Technology</i></p>	Rooms TBA M-8 French

Time	Agenda Item	Location
	<p>Session D - 17 Projet pilote du ministère de l'Éducation – Intégration des mathématiques et de l'éducation technologique</p> <p>Lors de cet atelier qui sera livré en deux temps, venez premièrement, prendre connaissance du projet pilote de l'intégration des mathématiques et de l'éducation technologique (TechnoMaths) qui avait comme intention d'accroître le rendement en mathématiques et l'intérêt envers l'apprentissage des mathématiques chez les élèves de 9e et 10e année suivant le cours de mathématiques appliquées en intégrant des contenus d'un cours d'éducation technologique et d'un cours de mathématiques appliquées de 9e et 10e année. Deuxièmement, des enseignants de l'école Secondaire Catholique Garneau qui ont participé à ce projet pilote partageront leurs expériences, leurs apprentissages, leurs réalisations et leurs prochaines étapes.</p> <p><i>Rémi Larose MEO, Rémi Chevalier et Michel Landry CECCE</i></p>	Rooms TBA 9-12 French
	<p>Session D - 18 Green Circle Salons</p> <p>We will be exploring how hairstyling teachers can think critically about the environmental impact of the beauty industry and how we can implement sustainable beauty programs in the classroom, all while making connections with the curriculum. We will learn about diverting industry waste and upcycling tools and materials. www.greencirclesalons.ca</p> <p><i>Green Circle Salons</i></p>	Rooms TBA English
12:00pm to 1:10pm	Lunch (OCTE Executive Speeches)	Graydon Ballroom
Session E 1:20pm to 3:00pm		
	<p>Session E - 1 Communications Technology Subject Round Table</p> <p>Have an opportunity to meet with Communication Technology teachers from across the province to discuss issues and hear innovative ideas related to Communications Technology. A facilitator will lead the group through topics which could include; renewed math concepts related to Communications, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	Rooms TBA English
	<p>Session E - 2 Computer Technology Subject Round Table</p> <p>Have an opportunity to meet with Computer Technology teachers from across the province to discuss issues and hear innovative ideas related to Computer Technology. A facilitator will lead the group through topics which could include; renewed math concepts related to Computer Technology, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	Rooms TBA English
	<p>Session E - 3 Construction Technology Subject Round Table</p> <p>Have an opportunity to meet with Construction Technology teachers from across the province to discuss issues and hear innovative ideas related to Construction Technology. A facilitator will lead the group through topics which could include; renewed math concepts related to Construction, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	Rooms TBA English
	<p>Session E - 4 Est-ce possible d'intégrer la technologie avec l'approche STIMA dans un cours académique (français 11e année)? OUI!</p> <p>Cet atelier vous propose de venir discuter avec 2 enseignants du CPT Minto qui ont décidé de vivre une expérience hors de l'ordinaire: co-enseigner un cours de français avec l'approche STIMA (sciences, technologies, ingénieries, mathématiques et arts). Nous ferons un survol des 3 unités que nous avons vécues avec nos élèves et nous allons vous partager nos expériences, nos réussites et nos défis. Nous allons aussi vous présenter brièvement la robotique et les outils STIMA que nous avons utilisés et nous aurons la chance de discuter des nombreuses possibilités de jumelage entre un cours académique et un cours technique.</p> <p><i>Tonny Corriveau et Patrick Doucet, Centre professionnel et technique Minto</i></p>	Rooms TBA French

Time	Agenda Item	Location
Session E 1:20pm to 3:00pm		
	<p>Session E - 5 Green Industries Subject Round Table</p> <p>Have an opportunity to meet with Green Industries teachers from across the province to discuss issues and hear innovative ideas related to Green Industries. A facilitator will lead the group through topics which could include; renewed math concepts related to Green Industries, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 6 Hairstyling Subject Round Table</p> <p>Have an opportunity to meet with Hairstyling teachers from across the province to discuss issues and hear innovative ideas related to Hairstyling. A facilitator will lead the group through topics which could include; renewed math concepts related to Hairstyling, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 7 Health Care Technology Subject Round Table</p> <p>Have an opportunity to meet with Health Care teachers from across the province to discuss issues and hear innovative ideas related to Health Care. A facilitator will lead the group through topics which could include; renewed math concepts related to Health Care, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 8 Hospitality and Tourism Subject Round Table</p> <p>Have an opportunity to meet with Hospitality teachers from across the province and discuss issues and hear innovative ideas related to Hospitality. A facilitator will lead the group through topics which could include; renewed math concepts related to Hospitality, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 9 Manufacturing Technology Subject Round Table</p> <p>Have an opportunity to meet with Manufacturing Technology teachers from across the province and discuss issues and hear innovative ideas related to Manufacturing Technology. A facilitator will lead the group through topics which could include; renewed math concepts related to Manufacturing, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 10 School Administrators Round Table</p> <p>Have an opportunity to meet with School Administrators from across the province to discuss issues and hear innovative ideas related to School Leadership utilizing Technological Education. A facilitator will lead the group through topics which could include; Building the Workforce of Tomorrow report, the role of Technological Education in our schools, renewed math strategies in Technological Education, community and industry partnerships, Pathways and more. Share your ideas and strategies that support the success of 21st century learners in our schools.</p> <p><i>Kevin Caughlin, OPC Rep OCTE Executive</i></p>	<p>Rooms TBA English</p>
	<p>Session E - 11 Technological Design Subject Round Table</p> <p>Have an opportunity to meet with Technological Design teachers from across the province to discuss issues and hear innovative ideas related to Technological Design. A facilitator will lead the group through topics which could include; renewed math concepts related to Technological Design, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Presenter</i></p>	<p>Rooms TBA English</p>

Time	Agenda Item	Location
Session E 1:20pm to 3:00pm		
	<p>Session E - 12 Elementary Round Table</p> <p>Have an opportunity to meet and network with Elementary Science & Technology Teachers from across province to discuss issues and hear innovative ideas related to Elementary Science & Technology. A facilitator will lead the group through topics which include: innovative and differentiated project ideas, resources and safety practices. Be prepared to share your ideas and projects that are meaningful, support current best practices and engage students. Get ready to gather some handouts and ideas that you can bring back to your classroom on Monday.</p> <p><i>Ingrid Munson, HDSB/OCTE ViceChair</i></p>	Rooms TBA English
	<p>Session E - 13 Transportation Technology Subject Round Table</p> <p>Have an opportunity to meet with Transportation Technology teachers from across the province to discuss issues and hear innovative ideas related to Transportation Technology. A facilitator will lead the group through topics which could include; renewed math concepts related to Transportation, innovative projects, course content, equipment issues, safety practices, new project ideas, marketing ideas, SHSM, Dual Credit and OYAP programs, ICE training, problems and solutions in your subject area and more. Share your ideas and projects that are meaningful, support current technologies and engage students. Be prepared to share all the good things you do and help solve issues in your area.</p> <p><i>Clark Chermak, BHNCD SB</i></p>	Rooms TBA English
	<p>Session E - 14 Sphère Collabora-TIC – Un projet robotique interconseil</p> <p>Venez découvrir la puissance de la collaboration et du réseautage ! Quatre conseils scolaires de la région du nord de la province ont choisi d'être des modèles de collaboration pour leurs élèves dans le but de développer des ressources pédagogiques où la robotique est intégrée aux différentes matières. De plus, cette initiative a permis aux élèves de développer leurs compétences globales, et plus spécifiquement le développement de la pensée informatique. Venez découvrir ce beau projet où des élèves de 4e et 5e année de différentes écoles et différents conseils scolaires ont pu vivre des expériences collaboratives en robotique. Ce sont 8 enseignantes et enseignants accompagnés de conseillères pédagogiques qui ont travaillé ensemble pour s'approprier la robotique et créer des activités pédagogiques dynamiques adaptées à leurs élèves et répondants aux attentes du curriculum. Ces activités sont maintenant accessibles à tous les enseignants de l'Ontario par l'entremise d'une C@O provinciale.</p> <p><i>Véronique Brunet, CSCD Grandes Rivières</i></p>	Rooms TBA M-8 French
3:00pm to 3:15pm	Break and Travel to AGM	
3:15pm to 4:30pm	OCTE Annual General Meeting - All Members to attend	Graydon Ballroom
5:30pm to 6:30pm	Cocktail Reception	Graydon Hall Foyer
6:30pm to 11:30pm	OCTE Awards Dinner with Entertainment	Graydon Ballroom