AGENDA

OCTE Conference | May 10th - 12th, 2018
Hilton Meadowvale, Mississauga ON

THURSDAY MAY 10, 2018 *OPTIONAL

Time	Agenda Item	Location
9:00am to 12:00pm	**OCTE Board Leads Meeting (Coffee 8:30am, 11:30am lunch provided for Board Leads)**	Britannia Room
12:00pm to 8:00pm	**Conference Registration Open**	Hotel Lobby

*OPTIONAL Plenary A - 1   1:00pm to 3:30pm

Rising to the Challenge of Building Tomorrow's Opportunities Disruptive technology, changing demographics, environmental changes and a more interconnected global economy are fundamentally changing the way people live, learn and work. As the world moves toward more knowledge-based and technology-driven economies, education and skills are more important than ever in building tomorrow's opportunities. Ontario's learning ministries will discuss how the province is working to help learners adapt to 21st century challenges and succeed through implementation of the Highly Skilled Workforce recommendations. This plenary session will: 1) Provide a high level overview of the Highly Skilled Workforce (HSW) Report, 2) Broadly discuss key recommendations that support technological education, 3) Assemble a panel of speakers that includes: industry representatives who will identify the current and future need for students with technical competencies in order to compete in a global, knowledge-based economy; Secondary educators and students will showcase an array of teaching strategies / pedagogical models such as TechnoMath, SHSM Sector-Partner Contextualized Experiences and Community Partnerships. Table and large group discussions will follow allowing delegates to explore and identify how technological education teachers and the curriculum they deliver can be further leveraged to support the key objectives of the HSW. *To Be Confirmed*	Rooms TBA

Hotel Registration and Travel Time

Session B   5:00pm to 6:00pm

Session B - 1 Leadership Presentation - Preparing to Lead This multimedia presentation will provide an overview of current leadership frameworks and discuss the importance of Emotional Intelligence (E.I.) when serving as a leader. This session will also hope to raise delegate awareness of leadership and competency practices, identify leadership development tools and identify suggested leadership-related resources. An overview of the Ontario Leadership Framework (OLF) will be presented and how the OLF can be used as a "blueprint" to guide leadership practices for current, new or aspiring leaders will also be discussed. *Rob DeRubeis, Education Officer, Ministry of Education*	Rooms TBA English
Session B - 2 Opening Up Career Paths in Coding Learn how students solve problems, work together, and bring ideas to life as they learn to build iOS apps. *Panel of Computer Science Teachers*	Rooms TBA English
Session B - 3 Marketing Technological Education Programs Highly Skilled Workforce, STEM, 21st Skills are just a few of the reasons to promote technological education. The post secondary pathway students take must prepare them for the future. Communication with students, parents and business is essential to ensuring program and student growth and success. This workshop will look at ways to promote technological education within and outside the school community through the use of traditional print, social media, email and word of mouth. Specifics of this workshop will revolve around developing awareness and leveraging the tools available. *Paul Fraser, OCTE and Tim Wolfert, Blueprint Agencies, Les Jagoda, DCDSB*	Rooms TBA English

Time	Agenda Item	Location
Session B 5:00pm to 6:00pm		

Session B - 4 Electude elearning and Simulation for Transportation Technology: Saving Teacher Time, Improving Student Knowledge

ElectudeTM is the most innovative e-learning platform for students in transportation technology programs and the most effective in helping them gain the knowledge they need to succeed. ElectudeTM has proven more effective than books, PDF and videos. Conducted in conjunction with teachers currently using ElectudeTM, this workshop will introduce teachers to engaging simulation based learning in a format encouraging dialog and audience participation. With ElectudeTM, students have access to curriculum that covers the technology from bumper to bumper, an engaging means of learning at their pace, prepare for lectures, and access via web from their laptop, tablet, or phone. Teachers will also see how easy it is to provide courses and modules to groups of students, how student data can be easily accessed in real-time to quickly assess student performance and progress. Teachers will learn on how easy it is to make their own course, lessons, certificates, and material, and publish them. Come and see why an ever growing number of Ontario schools and school boards are adopting ElectudeTM.

Stephen Perron - Cognisco Technologies

Location: Rooms TBA
English

Session B - 5 Digital Portfolios in Tech Ed Classrooms

Digital portfolios are being used more and more as a technology to help students document evidence of learning, reflect on their work, and share their growth. Join this session for practical steps on how you can implement myBlueprint K-12 Portfolios to create a course or project portfolio that connects experiential education along with pathways exploration. Suitable for all teachers K-12.

Daphnee Morin, myBlueprint Partner Success Manager

Location: Rooms TBA
English

Session B - 6 Facilitated Panel Discussion Highlighting the use of SHSM programs and Partnerships to Enhance Technological Education Programs

The Ministry SHSM team will host a panel discussion of experienced SHSM Technological Education teachers to share effective practices in leveraging community partnerships and other SHSM opportunities to enhance technological education programs within the school and board.

Ministry SHSM Team

Location: Rooms TBA
English

Session B - 7 Professional Development Opportunities for Technology Education Teachers

This session will describe two professional development opportunities for Technology Education teachers interested in academic and/or skill enhancement. The first part of the session will address online degree completion options available from either IT Sligo or Thompson Rivers University. Details provided will highlight how those with an apprenticeship or diploma background can apply their related academic, work, and teaching experience to complete a degree. The second part of the session will highlight a new initiative related to the development of Schedule F – AQ courses. Schedule F – AQ courses are recognized in the OCT regulations and can be used to enhance Technology Education teachers qualifications.

Tracy Gedies, Fanshawe College

Location: Rooms TBA
English

Session B - 8 TechnoMath - Integrating the Teaching and Learning of Mathematics & Technological Education for the Highly Skilled Workforce

Throughout this year, school teams from across Ontario have collaborated with the Ministry of Education to explore the integration of the teaching and learning of Grade 9 and/or 10 Technological Education and Applied Mathematics. In this session you will have the opportunity to hear from the educators taking part in this project to learn about their experiences, what they have learned, how they organized and planned for connections between mathematics and construction technology, manufacturing technology, hospitality and tourism, communications technology and more, as well as engage in some of the cross-curricular learning opportunities. Most importantly, you'll have the opportunity to hear feedback from students and teachers around how you might integrate these ideas and connections in your own school or district.

Bernadette Smith and Reece Morgan Education Officers / Innovation Design & Implementation Team

Location: Rooms TBA
English

Session B - 9 Let's Get Building!

In this session, Elementary Science and Technology teachers will have an opportunity to network with some of the members of the OCTE Elementary Committee and learn about what resources OCTE has to offer and what OCTE can do for you! Participants will also take part in a division specific hands-on activity focusing on the topic of Biomimicry - a topic that connects to all grades in the "Understanding Life Forms" strand.

Elementary OCTE Committee Members

Location: Rooms TBA
English

Session B - 10 MHS et la technologie en français

Durant cette session, l'équipe de la majeure présentera les données en éducation technologique et dans le programme de la Majeure Haute Spécialisation pour entamer une discussion au sujet des possibilités d'élargir les programmes de la MHS existants et évaluer les possibilités de lancer de nouveaux programmes MHS avec une concentration en éducation technologique dans vos conseils scolaires.

Francine Bouchard et Marilyn Carmichael Agentes MEO, Mario Blouin Représentant OCTE

Location: Rooms TBA
French

Time	Agenda Item	Location
7:00pm to 10:00pm	Vendor Display and Networking - Meet the Vendors Wine and Cheese | *Sponsored by Studica*	Hazel McCallion

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 devrons 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 21eme 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

Session D - 4 Regional Solutions for National Challenges

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.

Julie Neufeld - Edge Factor

Rooms TBA
English

Time	Agenda Item	Location
	Session D 10:50am - 12:00pm	

Session D - 5 Certified Renewable Energy Trainers

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.

Paul Riddell - Progressive Educational Systems

Rooms TBA
English

Session D - 6 "The Tech Revolution in the Ontario Agriculture Industry"

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.

Eric Richter, Agronomic Sales Representative, Syngenta Canada

Rooms TBA
English

Session D - 7 Virtual Reality Training and Augmented Training Systems

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.

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!!

Mark Liggins - Progressive Educational Systems

Rooms TBA
English

Session D - 8 Solutions didactique Francophone

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

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 francphone resources: CAD/CAM, Virtual reality, welding and more.

Éloïse Rolland-Carmichael - Progressive Educational Systems

Rooms TBA
English

| | **Session D** 10:50am to 12:00pm | |

Session D - 9 D2L for the Transportation Teacher - Don't reinvent the wheel!

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!

Clark Chernak and David Szuty, BHNCDSB

Rooms TBA
English

Time	Agenda Item	Location
	Session D - 10 CDX Learning: Automotive & Heavy Transport eLearning	Rooms TBA English
	CDX Learning has just released it 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 TTJ 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.	
	Mark Murray - CDX Learning Canada	
	Session D - 11 MOL Safety Training and Updates	Rooms TBA English
	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.	
	Jules Arntz-Gray, Director, Training and Awareness Branch, Prevention Office, Ministry of Labour	
	Session D - 12 How to wear your Engineering Hat	Rooms TBA English
	Connecting with volunteer STEM Professionals to explore engineering experiences in the classroom.	
	Engineers of Tomorrow (Engineer in Residence Program)	
	Session D - 13 Preparing Students for Today's Mobile Workforce	Rooms TBA English
	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.	
	Apple Canada Team	
	Session D - 14 Véhicule téléguidé de démolition « Smash Derby »	Rooms TBA 9-12 French
	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.	
	Justin Boucher CSC Mon Avenir	
	Session D - 15 "Empower Learners and Enhance their Communication Skills"	Rooms TBA English
	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.	
	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.	
	Steve Gedies, Fanshawe College	
	Session D - 16 Projet STEAM 3D Makerlab en français	Rooms TBA M-8 French
	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.	
	Janette Hughes, University of Ontario Institute of Technology	

Time	Agenda Item	Location
Session D - 17 Projet pilote du ministère de l'Éducation – Intégration des mathématiques et de l'éducation technologique		Rooms TBA 9-12 French
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. *Rémi Larose MEO, Rémi Chevalier et Michel Landry CECCE*		
Session D - 18 Green Circle Salons		Rooms TBA English
We will be exploring how hairstyling teachers can think critically about the environmental impact of the beauty industry an 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 *Green Circle Salons*		
12:00pm to 1:10pm	**Lunch (OCTE Executive Speeches)**	Graydon Ballroom
	Session E 1:20pm to 3:00pm	
Session E - 1 Communications Technology Subject Round Table		Rooms TBA English
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. *Presenter*		
Session E - 2 Computer Technology Subject Round Table		Rooms TBA English
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. *Presenter*		
Session E - 3 Construction Technology Subject Round Table		Rooms TBA English
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. *Presenter*		
Session E - 4 Est-ce possible d'intégrer la technologie avec l'approche STIMA dans un cours académique (français 11e année)? OUI!		Rooms TBA French
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. *Tonny Corriveau et Patrick Doucet, Centre professionnel et technique Minto*		

Time	Agenda Item	Location
Session E	1:20pm to 3:00pm	

Session E - 5 Green Industries Subject Round Table

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.

Presenter

Rooms TBA
English

Session E - 6 Hairstyling Subject Round Table

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.

Presenter

Rooms TBA
English

Session E - 7 Health Care Technology Subject Round Table

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.

Presenter

Rooms TBA
English

Session E - 8 Hospitality and Tourism Subject Round Table

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.

Presenter

Rooms TBA
English

Session E - 9 Manufacturing Technology Subject Round Table

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.

Presenter

Rooms TBA
English

Session E - 10 School Administrators Round Table

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.

Kevin Caughlin, OPC Rep OCTE Executive

Rooms TBA
English

Session E - 11 Technological Design Subject Round Table

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.

Presenter

Rooms TBA
English

Time	Agenda Item		Location
	Session E 1:20pm to 3:00pm		

Session E - 12 Elementary Round Table

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.

Ingrid Munson, HDSB/OCTE ViceChair

Rooms TBA
English

Session E - 13 Transportation Technology Subject Round Table

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.

Clark Chernak, BHNCDSB

Rooms TBA
English

Session E - 14 Sphère Collabora-TIC – Un projet robotique interconseil

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 travailleé 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.

Véronique Brunet, CSCD Grandes Rivières

Rooms TBA
M-8 French

Time	Agenda Item	Location
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

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SATURDAY MAY 12, 2018

Time	Agenda Item	Location
7:00am to 8:30am	**Breakfast**	Graydon Ballroom
8:30 to 3:00	**Session F (Please note: times per session differ)**	

Session F - 1   9:00am to 12:00pm An Inside look at Managing and Operating A Major Hotel Chain

In this workshop we will have an opportunity to have an inside look at the operation and management of the Hilton Hotel. We will hear and see first hand how a hotel the size of the Hilton operates areas such as: Event sales and management, Human resources, catering and banquets, technology etc. This workshop will be a combination of presentations and a tour of the Hilton Meadowvale.

Karen Linehan Caulfield, BHNCDSB/OCTE ViceChair

Rooms TBA
English

Session F - 2   9:00am to 10:15pm Tâche authentique STIAM: Comment réduire le trafic sur King Edward

Nous allons partager un projet réalisé avec des élèves de 7e année et qui permet d'intégrer les sciences, les mathématiques et Français. Ce projet a pour objectif de rendre plus authentique l'apprentissage des élèves en leur permettant de travailler sur un sujet d'actualité.

Cette présentation vous permettra de comprendre:

- toutes les étapes de réalisation du projet (planification, mise à l'essai, processus de résolution de problème technologique);

- le processus d'évaluation mis en place;

- le processus d'apprentissage.

Siham Lemnioui, École secondaire publique de la Salle

Rooms TBA
7 - 8 French

Time	Agenda Item	Location
Session F - Continued		

Session F - 3 9:35am to 2:00pm Learn to Code with iPad (Elementary)

Coding is an essential skill that teaches problem-solving, develops teamwork, and inspires creativity. Join Apple to learn how you can engage elementary and middle school students in the world of coding on iPad with visual-based apps, Swift Playgrounds, and Everyone Can Code resources designed for teachers.

Apple Canada Team

Rooms TBA
English

Session F - 4 9:00am to 12:00pm   CWB Welding Training

The Canadian Welding Association Foundation (CWAF) is pleased to offer a one day training session at the Canadian Welding Bureau (CWB) training facility in Milton Ontario on Saturday, May 13, 2017 from 9AM to 4PM. Lunch will be provided. Topics to be covered include: Introduction to acorn curriculum, resource for use in the classroom, Hands-on shielded metal arc welding (SMAW), Use of inspection tools, Evaluation of weldments.

Andrew Bartlett, CWA Foundation

CWB Main Office, 8260 Parkhill Dr., Milton ON
English

Session F - 5 9:00am to 12:00pm   Teach App Development with Swift (Grades 9–12)

Learning to develop apps is an exciting way to help students solve problems, work together, and bring ideas to life. Learn how to use the App Development with Swift curricula from Apple, designed to teach students with little or no programming experience how to build their first iOS apps.

Apple Canada Team

Rooms TBA
English

Session F - 6 8:30am to 2:30pm MOL/OCTE Construction Safety Training

OCTE and the Ministry of Labour are partnering to create a Construction Health and Safety Awareness Training Program that is tailored for teachers and students in either Grade 11 or 12 Construction Technology programs and/or linked to Construction Coop credits. . The training will contain information on four main topics: 1) Legal Framework and the Role of Workplace Parties. Rights and responsibilities under the Occupational Health and Safety Act related to working in construction, including the legislative framework and the roles of workplace parties. 2) Hazard Identification, Assessment and Control. An introduction to the theory and purpose of hazard identification, assessment and control, with specific attention given to the hierarchy of controls. 3) Common Hazards and Conditions on Construction Projects. Examples of common hazards and conditions which may be found on construction projects, and where more training is required. 4) Common High Hazards on Construction Projects. Examples of work activities related to high hazards on construction projects which can result in critical injuries or fatalities to workers. 5) Examples of how to identify and control common high hazards, and where more training is required. Upon completion, the teacher will receive a certificate of completion and will be able to certify students and other teachers.

Presenter OCTE and MOL

Rooms TBA
English

Session F - 7   9:00am to 12:00pm Using the Ontario Leadership Framework (OLF) to "Re-image" Your Professional CV

Suggested Audience: Elementary & Secondary teachers; division leaders; department heads; board / curriculum / program leads and aspiring leaders. This interactive and "hands-on" workshop will highlight how the Ontario Leadership Framework (OLF) can be used to structure and develop a "re-imaged" version of a professional Curriculum Vitae (CV). A sample CV developed using this process will be shared and delegates will have an opportunity to begin to develop his/her CV using the process discussed. Delegates are asked to bring copy of his/her current CV and a computer notebook/laptop will be required. A copy of the Ontario Leadership Framework will be provided for each participant.

Robert De Rubeis and Jeffrey Piro, Ministry of Education

Rooms TBA
English

Session F - 8 9:00am to 12:00pm Introduction to STEM Robotics Certification

Using a combination of mechanical, electrical and software engineering, learn how to design, assemble and program a robot using the PRIZM Arduino™ based robotics controller. In this workshop, you will learn about the robot platform, DC and Servo motors, sensors, and actuators. You will learn how it's all connected to the PRIZM controller and how you can control using the Arduino programming language. This workshop aims to make participants well-equipped with new tools for the Skills Canada Robotic Challenge. Teachers will achieve a certification on the Skills Canada Mobile Robotics Platform. The certification will provide an official and public recognition of your competencies and capabilities to teach, program, and troubleshoot educational robots.

Matthew Colbeck - Studica

Studica Robotics Hub 7220 Pacific Circle, Mississauga, ON
English

Time	Agenda Item	Location
	Session F - Continued	

Session F - 9   9:00am to 12:00pm Plug and Drive – Electric Vehicles

Major cities across the world such as Paris, London and Beijing are choking on smog from gas and diesel transportation to the point that vehicles powered by fossil fuel are starting to be banned from the downtown cores. The world is quickly realizing the way forward in transportation must be with a fuel that does not pollute, cause health issues and is renewable. In Canada over 80% of our electricity is produced with hydro, nuclear and renewables and is distributed into every home and business, up and down every street, coast to coast to coast. Find out how electricity can be the new transportation fuel at this workshop presented by Plug'n Drive. This workshop will start with a presentation on how this electric revolution is starting to benefit society today and what the future will hold for those who make the switch to electric drive. Following a question and answer discussion, participants will have an opportunity to drive an electric vehicle. All participants will receive a copy of Plug'n Drives handy reference booklet entitled "Electrify Your Ride". Don't miss this exciting opportunity to learn about and drive the electric cars of the future, today.

Ron Groves, Plug and Drive

Location: Rooms TBA English

Session F - 10   9:00am to 10:10pm   Hairstyling Teacher Training

We will learn about the Paul Mitchell line, NEON, that is designed for teens and young adults. NEON is connected to anti-bullying campaigns and it's aim is to empower youth into positive changes in their schools and communities. We will also learn some new trends in updo styling. Please bring a mannequin, mannequin stand and your tools for a practical workshop. #stickittobullying @neonhair

Paul Mitchell

Location: Rooms TBA French

Session F - 11   9:00am to 12:00pm   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

Location: Rooms TBA English

Session F - 12   9:00am to 12:00pm Mastering the Electude e-learning and LMS for Transportation Technologies to increase teacher efficiency and student success

Electude is the most innovative cloud-based automotive e-learning solution that allows educators to assign, create, manage and grade lessons, exercises, tasks and tests. Students can complete their assignments from any location and from almost any online device. As opposed to standard passive videos and PDF, Electude puts forward a pedagogy based on powerful graphics, simulation, and a high level of interactivity to keep students engaged and increase their knowledge. Electude is used by a majority of Ontario colleges such as Centennial College, Canadore, Cambrian, Durham, and by an ever increasing number of Ontario and Canadian secondary schools and high schools. This 3 hour workshop is intended for novice as well as advanced users to learn how to get the most out of Electude for increased productivity and enhanced student experience. Attendees are encouraged to bring their own laptop with an internet access to perform hands-on. Attendees will review all the basic features and will discover how Electude can really make everybody's life easier. The Electude workshop will enable trainees with full control over the Electude LMS administrator mode. They will learn how to manage teacher accesses, student access configuration, import large numbers of students, how to delete and purge student records from the system. They will be shown best practice to build and manage self-made courses and student groups. More advanced features such as making your own modules, creating a powerful set of animations for lectures, creating quizzes, task sheets and certificates. The workshop will also cover new options such as the engine diagnostic simulator and the new electric drive content for hybrid and electric vehicles..

Stephen Perron, Cognisco Technologies Inc.

Location: Rooms TBA English

AGENDA

OCTE Elementary Day | May 12th, 2018
Hilton, Mississauga, Meadowvale

SATURDAY MAY 12, 2018

Time	Agenda Item	Location
7:00am to 9:00am	**Registration**	
7:30am to 9:00am	**Introductory Session - Safety, Resources and Orientation**	Graydon Ballroom

	Session 1 9:35am to 10:45am	

Session 1A STEAM Learning in the Primary Years

In this session, participants will explore each content area of STEAM (science, technology, engineering, art and math) and explore what STEAM inquiry looks like in a primary classroom. STEAM ideas will be shared to help participants broaden their students' interests and to help spark inquiry based on student interest. By the end of the session, participants will have a collection of STEAM ideas that connect to the Ontario Curriculum that are: fun, engaging, practical, and easy to implement in their classroom.

Laura Collins, TDSB

South Studio #1
English

Session 1B Looking Inside Rocks, Junior

The study of mineral properties is fundamental to the identification of rocks and the interpretation of the environment in which rocks are formed. Use mineral identification tools to classify minerals. A Smart Device Microscope designed to look inside of rocks using polarized films will be used to explore minerals and textures of various types of rocks. Learn about rock types and BYOD to take some memorable pictures!

Mining Matters, Kelly McBride

South Studio #2
English

Session 1C Learn to Code with iPad Session #1 of 3 (3 Hour Session)

Coding is an essential skill that teaches problem-solving, develops teamwork, and inspires creativity. Join Apple to learn how you can engage elementary and middle school students in the world of coding on iPad with visual-based apps, Swift Playgrounds, and Everyone Can Code resources designed for teachers.

Apple

South Studio #3
English

Session 1D La robotique à l'élémentaire, une occasion de différenciation pédagogique.

La programmation est une pensée informatique fondamentale au 21e siècle. Comme la technologie continue de s'intégrer à notre vie quotidienne, il est important que les pédagogues fournissent aux élèves des occasions d'exploiter leur capacité d'innover et de créer. La programmation et la robotique permettent aux élèves de résoudre des problèmes, de prendre des risques et de développer leur pensée critique et logique. Dans cet atelier interactif, vous pourrez être initiés à la programmation et à la robotique. Vous pourrez constater, à l'aide d'exemples concrets de quelle façon la robotique peut devenir une stratégie de différenciation pédagogique permettant à tous les élèves de vivre des succès. Vous pourrez également découvrir comment les écoles du CSCDGR ont participé à un projet permettant à tous les élèves de la maternelle à la 8e année de faire de la robotique tout en vivant des occasions d'apprentissages riches et variées.

Véronique Brunet, CSCD Grandes Rivières

M-8 French

10:45am to 10:50am	**Break and Travel Time**	

	Session 2 10:50am - 12:00pm	

Session 2A Building Vertical Window Gardens With Recycled Materials, Intermediate

Use recycled materials to build either a hydroponic, or a traditional vertical window garden. Ignite your students' Inquiry and critical thinking skills with this design challenge. Engage them in hands-on learning. Broaden their understanding of how important it is to manage our world's dwindling land and water resources both responsibly, and sustainably, in an age of exceptional population growth. Wrap up the unit by eating salads made from fresh produce that was grown by your students.

Heather Evans, Darren Foy, Andrea MacInnes, Catherine Valiaho (Rainbow District School Board)

Session 2B Headframe Challenge, Primary/Junior

A headframe is the structural frame above an underground mine shaft. A mine shaft transports workers, materials, mobile equipment and is used for ventilation. They provide the height needed to access the mined ore when it is hoisted out of the ground. Participants will investigate the engineering behind headframes and underground mines, and collaboratively work to build a headframe that can hoist the most weight from "underground" up to the surface.

Mining Matters, Kelly McBride

South Studio #2
English

Time	Agenda Item	Location
Session 2C Learn to Code with iPad Session #2 of 3 (3 Hour Session) Coding is an essential skill that teaches problem-solving, develops teamwork, and inspires creativity. Join Apple to learn how you can engage elementary and middle school students in the world of coding on iPad with visual-based apps, Swift Playgrounds, and Everyone Can Code resources designed for teachers. *Apple*		South Studio #3 English
Session 2D Mission sciences et plus! Pas le temps d'enseigner les sciences ni la technologie? Venez découvrir Mission sciences, ressource qui appuie l'enseignement du curriculum de sciences et technologie de la 4e à la 8e année. Le processus d'enquête et l'intégration des matières sont au cœur de cette ressource interactive agrémentée de réalité augmentée. D'autres ressources financées par le ministère de l'Éducation seront aussi partagées. *Marilyn Carmichael, Agente MEO*		North Studio #1 M-8 French
12:00am to 1:00pm	**Lunch**	Graydon Ballroom
Session 3 1:00pm to 2:10pm		
Session 3A Skills Ontario J/I/S This workshop will include a demonstration of a Technology Challenge run annually at Skills Ontario's Ontario Skills Competition. This challenge generally requires teams of 4 people to complete a task utilizing the tools provided within a specific time frame. Participants will be judged according to a criteria that will be outlined prior to the start of the Challenge. Teachers will be involved in a simulation of this challenge. *Skills Canada*		South Studio #1 English
Session 3B From Story to Design: engaging in Technological Problem Solving Through Children's Literature, Primary with links to Junior Participate in this hands-on/minds-on workshop on how to support technological problem solving and STEM through the use of children's literature. *Mars Bloch*		South Studio #2 English
Session 3C Learn to Code with iPad Session #3 of 3 (3 Hour Session) Coding is an essential skill that teaches problem-solving, develops teamwork, and inspires creativity. Join Apple to learn how you can engage elementary and middle school students in the world of coding on iPad with visual-based apps, Swift Playgrounds, and Everyone Can Code resources designed for teachers. *Apple*		South Studio #3 English
2:10pm to 2:15pm	**Break and Travel Time**	
Session 4 2:15pm to 3:15pm		
Session 4A Elementary Round Table Have an opportunity to meet and network with Elementary Science & Technology Teachers from across province and 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.		North Studio #1 English