Refreshment Break 10:10 till 10:50 Vendors Area Hazel McCallion Ballroom

Session #2 10:50 till 12:00

Session #4 3:20 till 4:30

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| Chantal Locatelli  Ministry of Education |  | Grades 9-12  All Tech Areas | Patio Studio #1  70 min. |

**Saturday May 9, 2015.**

**Secondary Session 8:45 till 10:00**

**Secondary Session:**

Is an networking session where Secondary teachers have an opportunity to network with teachers from the same discipline and develop 2 presentation outlines for the 2016 conference with relevant topics related to their specific subject area including the presenters names. Facilitator will have group complete a presenters form and hand it in at the Annual General Meeting

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| **SESSION FIVE** | | | | |
| TOPIC DETAILS | Facilitator(s) | SUBJECT | ROOM | TIME |
| **Secondary Technology Networking Sessions** | TBA | Communications Technology | Club Studio 3 | **Saturday**  **8:45 to**  **10:00 am**  ***75 minutes*** |
| TBA | Computer Studies | South Studio 3 |
| TBA | Construction Technology | South Studio 1 |
| TBA | Green Industries | Garden Studio 1 |
| TBA | Integrated Technologies | Club Studio 2 |
| TBA | Hairstyling & Aesthetics | Britannia |
| TBA | Health Care | Garden Studio 3 |
| TBA | Hospitality & Tourism | South Studio 2 |
| TBA | Manufacturing Technology | North Studio 1 |
| TBA | Technological Design | North Studio 2 |
| TBA | Transportation Technology | Patio Studio 1 |

Annual General Meeting Hazel McCallion Ballroom 10:15 till 12:00

Elementary Sessions

Saturday May 9, 2015

Elementary Sessions #1 and #2

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|  | TOPIC DETAILS Session 1&2 9:00-12:00 | CONTENT | ROOM |
| Terry Wilkinson  *tdsb* | **Science and Technology Workshop**  ***Linked In!From Bar Links to Talking Heads!***  The joint OCTE and STAO workshops will focus on form and function, and systems in action. Participants will learn the science and technology of puppet-making in an engaging, hands-on format. | Intermediate  Science and Technology | Club Studio #3  Part #1  180 min. |
|  | TOPIC DETAILS Session 1&2 9:00-12:00 | CONTENT | ROOM |
| Darren Foy  *rdsb* | **Science and Technology Workshop**  ***Geared Up and Feeling Strong…the Sky’s the Limit!***  These joint OCTE and STAO workshops are for Grade 4, 5, or 6 teachers. Take part in our interactive and hands-on workshops. Receive classroom ready science materials and technological design challenges that will strengthen your structures and mechanisms units. | Junior  Science and Technology | Club Studio #2  Part #1  180 min. |
|  | TOPIC DETAILS Session 1&2 9:00-12:00 | CONTENT | ROOM |
| Sue Philip  *hdsb* | **Science and Technology Workshop**  ***Strictly Structures***  The joint OCTE and STAO workshops will focus on materials, objects, everyday structures, movement and strong/stable structures. Concepts, experiments and design/build activities will all be highlighted with engaging, hands-on application to consolidate learning back in the classroom. | Primary  Science and Technology | Club Studio #1  Part #1  180 min. |

Lunch 12:00 Till 1:00 Hazel McCallion Ballroom

Elementary Sessions #3

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|  | TOPIC DETAILS Session 3 1:00-2:00 | CONTENT | ROOM |
| Erica Lee Garcia/  Allan Ham  *Engineer-In-Residence* | **Science and Technology Workshop**  ***Engineer-In-Residence***  Learn about the Engineer-In-Residence program. Participants will find out how volunteer engineers are paired with schools to work with teachers and students, free of charge. Their goal is to shape the future of the engineering profession through outstanding engineering outreach today. Attendees will also participate in grade-specific, hands-on, curriculum-linked activities that demonstrate real-world applications of classroom theory. | Junior  Science and Technology | Club Studio #2  60 min. |
|  | TOPIC DETAILS Session 3 1:00-2:00 | CONTENT | ROOM |
| Stacey Marmara  *SAE Foundation Canada* | **Science and Technology Workshop**  ***A World in Motion- STEM Education Workshop Series***  SAE International’s A World In Motion (AWIM) is a series of age-appropriate science, technology, engineering and math (STEM) “challenges”. Each challenge incorporates a problem-solving process taught at many engineering schools across the country and utilized by engineering design teams working in the field. The “Engineering Design Experience” provides a problem-solving context in which students design a product or devise a solution to a problem. Three to four students, grouped into Engineering Design Teams are presented with a marketing/production/ design problem from a fictitious company. The student teams examine what is to be accomplished, identify the intended audience and establish what information to gather and synthesize and plan how to design, develop, test and present a prototype of their design solution. | Intermediate  Science and Technology | Club Studio #3  60 min. |
|  | TOPIC DETAILS Session 3b 1:00-2:00 | CONTENT | ROOM |
| Ron Ballentyne  *hdsb* | **Science and Technology Workshop**  ***Primary Technology: Rube Goldberg Machines***  This workshop will highlight a hands-on engaging classroom activity based on Rube Goldberg machines. This will consolidate student knowledge in a real-world, contextualized learning situation. Participants will be able to build a sample project using easily obtained tools and materials. | Primary  Science and Technology | Club Studio #1  60 min. |

Elementary Sessions #4

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|  | TOPIC DETAILS Session 4 2:00-3:00 | CONTENT | ROOM |
| Erica Lee Garcia/  Allan Ham  *Engineer-In-Residence* | **Science and Technology Workshop**  ***Engineer-In-Residence***  Learn about the Engineer-In-Residence program. Participants will find out how volunteer engineers are paired with schools to work with teachers and students, free of charge. Their goal is to shape the future of the engineering profession through outstanding engineering outreach today. Attendees will also participate in grade-specific, hands-on, curriculum-linked activities that demonstrate real-world applications of classroom theory. | Intermediate  Science and Technology | Club Studio #2  60 min. |
|  | TOPIC DETAILS Session 4 2:00-3:00 | CONTENT | ROOM |
| Stacey Marmara  *SAE Foundation Canada* | **Science and Technology Workshop**  ***A World in Motion- STEM Education Workshop Series***  SAE International’s A World In Motion (AWIM) is a series of age-appropriate science, technology, engineering and math (STEM) “challenges”. Each challenge incorporates a problem-solving process taught at many engineering schools across the country and utilized by engineering design teams working in the field. The “Engineering Design Experience” provides a problem-solving context in which students design a product or devise a solution to a problem. Three to four students, grouped into Engineering Design Teams are presented with a marketing/production/ design problem from a fictitious company. The student teams examine what is to be accomplished, identify the intended audience and establish what information to gather and synthesize and plan how to design, develop, test and present a prototype of their design solution. | Primary  Science and Technology | Club Studio #3  60min. |
|  | TOPIC DETAILS Session 4b 2:00-3:00 | CONTENT | ROOM |
| Richard Michaud | **Science and Technology Workshop**  ***Junior Rube Goldberg Machines***  This workshop will highlight the building of Rube Goldberg machines in order for students to apply their knowledge of grade-specific concept in a real-world, hands-on manner. Participants will be able to build their own sample machines to take back to their classroom. | Junior  Science and Technology | Club Studio #1  60 min. |

Elementary Sessions #5

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|  | TOPIC DETAILS Session 5 3:00-4:00 | CONTENT | ROOM |
| Erica Lee Garcia/  Allan Ham  *Engineer-In-Residence* | **Science and Technology Workshop**  ***Engineer-In-Residence***  Learn about the Engineer-In-Residence program. Participants will find out how volunteer engineers are paired with schools to work with teachers and students, free of charge. Their goal is to shape the future of the engineering profession through outstanding engineering outreach today. Attendees will also participate in grade-specific, hands-on, curriculum-linked activities that demonstrate real-world applications of classroom theory. | Primary  Science and Technology | Club Studio #2  60 min. |
|  | TOPIC DETAILS Session 5 3:00-4:00 | CONTENT | ROOM |
| Stacey Marmara  *SAE Foundation Canada* | **Science and Technology Workshop**  ***A World in Motion- STEM Education Workshop Series***  SAE International’s A World In Motion (AWIM) is a series of age-appropriate science, technology, engineering and math (STEM) “challenges”. Each challenge incorporates a problem-solving process taught at many engineering schools across the country and utilized by engineering design teams working in the field. The “Engineering Design Experience” provides a problem-solving context in which students design a product or devise a solution to a problem. Three to four students, grouped into Engineering Design Teams are presented with a marketing/production/ design problem from a fictitious company. The student teams examine what is to be accomplished, identify the intended audience and establish what information to gather and synthesize and plan how to design, develop, test and present a prototype of their design solution. | Junior  Science and Technology | Club Studio #3  60 min. |
|  | TOPIC DETAILS Session 5b 3:00-4:00 | CONTENT | ROOM |
| Paula Walker | **Science and Technology Workshop**  ***Intermediate Rube Goldberg Machines***  Participants will build their own version of a Rube Goldberg machine to take back to their classroom. This engaging and hands-on activity is an opportunity for students to demonstrate and consolidate knowledge of grade-specific concepts in the classroom. | Intermediate  Science and Technology | Club Studio #1  60 min. |