College Student Challenge for NEM Ontario 2016

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Agenda

- Introduction
- Goals of the Challenge
- Recap of 2015
- How we determine who wins
- Event List from 2015
- Next steps



• (The College Student Challenge is presented by the Ontario Association of Certified Engineering Technicians and Technologists. Find out more at http://oacett.org)

National Engineering Month in Ontario

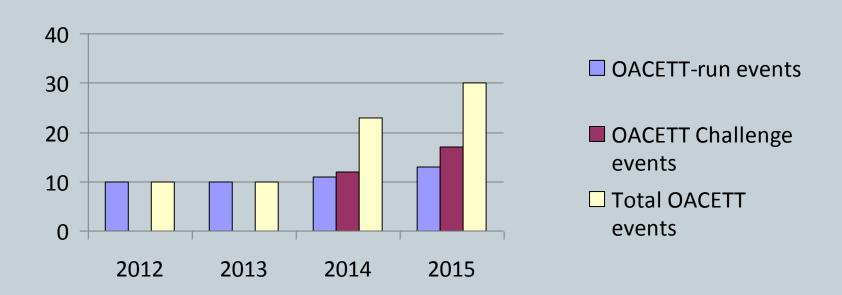
Reach

Reach metrics	2015	2014	2013	2012
Events (#)	276	187	142	140
Engaged in-person(#)	30,000	27,100	25,600	22,000
		,	<u> </u>	
Engaged via traditional media (000,000)	1.66	1.4	0.862	0.665
Engaged via Website (hits)	11,198	6688	3652	4065
Engaged via social media (impressions)	731,000	478,055	269,500	79,394

^{*}based on Scorecard data provided by host organizations and on historical knowledge about event turnout.

Goals of the NEM OACETT College Student Challenge

Increase OACETT participation in NEM Ontario



Goals

- Increase OACETT's network within Colleges
- Organizers applied on behalf of:
 - EngSoc (Conestoga)
 - o IEEE (Conestoga)
 - Fire Prevention Student Association (Seneca)
 - Women in Technology (Seneca)
 - o ASME, Engineering Association (Sheridan)





Goals

- Increase OACETT's engagement within Colleges
 - OACETT volunteers (College Liaisons) as mentors to student organizers
 - o OACETT and PEO members as judges at the event



The NEM OACETT College Student Challenge is back!

NEM Ontario College Student Challenge



Calling all engineering technology students at Ontario colleges. OACETT wants you to host an event this March during Canada's biggest celebration of engineering and technology: National Engineering Month Ontario 2014.

The prize? \$2,500 to the winning team and OACETT student membership for all team members.

- First introduced in NEM 2014
- Open to engineering technology students at Ontario Colleges
- Students are required to organize a NEM event with support from their local OACETT chapter
- Teams of up to 5 students
- \$2,500 cash prize + one year
 OACETT student membership

http://nemontario.ca/college-challenge

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National Engineering Month

College Student Challenge

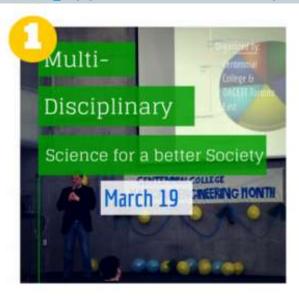
The Fine Print

- The Challenge: Students are invited to host an event during National Engineering Month in March 2016. The event can be a traditional NEM event (for example: lunch and learn, student conference, showcase, interactive booth, kids' event) or a new event. Event organizers are eligible to apply for NEM Funding (up to \$700 per event). Students hosting new events are also eligible for NEM Innovation Funding. http://nemontario.ca/college-challenge
- •Prize: **\$2,500** to the winning team, and a free OACETT student membership. Also as an organizer of a NEM event, you will gain valuable networking opportunities, learn from professionals in industry, **receive insight** into the world beyond your studies, be a leader in your class and gain **valuable experience** for your resume.
- •The Rules: Students can work independently or in a team (up to 5 people per team). Students must have the support of an **OACETT chapter** in their region. Students may also seek the support of their OACETT college liaison as a sources of ideas and support. Students also are encouraged to have support from a **college instructor**.

How do we determine who wins, anyway?

- Most popular question of the 2015 Challenge
- A complete synopsis can be found at:

http://nemontario.ca/college-challenge-2015/



Comments:

- It was a privilege to listen to scientists and engineers who are leading us in different aspects of life.
- There were stalls representing different technologies and the direction of science moving forward.
- Organizers were really enthusiastic!

Best In:

- Created website for event and updating it year-over-year.
- Very large and diverse organizing student team.
- Did off-campus public event to promote on-campus event.
- Applying lessons learned from previous years' Challenge.
- Embraced NEM messaging and mission.
- Engaging their own faculty members.
- Year-over-year growth and improvement of NEM event.

What other teams can learn:

- Get lots of support from your College's faculty.
- Establish large volunteer base to carry off your plan.
- Hold an off-campus event to publicize your event.
- Implement Lessons Learned from other events and/or previous years,

More from http://nemontario.ca/college-challenge-2015/



Comments:

- Afternoon session was fantastic.
- Engaged other Conestoga department students to participate.
- Very interactive booths for the public to check out.
- Held a food drive during the event.

Best In:

- Engaging multiple groups on campus (including nursing faculty)
- Excellent speakers, Emphasis on future themes and innovation in conversation.
- OACETT chapter coordination, Interactive Booth with creative components and activities.
- Colourful and Appealing visual representation.
- Raised money for local charity.
- Leveraged on-campus media to create newsstory-type film.

What other teams can learn:

- Reach out to non eng/tech groups on campus to enhance your event.
- Select engaging speakers who are well-positioned to deliver your messages and the messages of the NEM campaign.
- Create fun and interactive displays for your audience to play with.
- Deliver your key messages directly and with enthusiasm.



Comments:

- It was great to see the participants getting involved and interacting with the presenters. The
 organizers did a fantastic job with the setup of events.
- A diverse range of disciplines represented during the 5 events.

Best In:

- Quantity of events (5 total).
- Engaging kids and families in the community (Library).
- Open to the public.
- Capturing the excitement of making stuff for participants.

What other teams can learn:

- Get out into the community to interact with the public,
- Utilize your local library/community centre/makerspace.
- Take advantage of March Break to run lots of events with lots of kids.
- Hold a thorough and honest evaluation of the events' success with your team.

Competition Criteria





OACETT NEM College Student Challenge Criteria for Competition

The winner of the OACETT College Student Challenge will be determined based on the following 3 criteria:

- 1. Judges' Report
- Organizer-submitted materials
- Post-event engagement

Role of the Judge

- The judge checks:
 - o Did the event go to plan?
 - O Did the event accomplish the goals of National Engineering Month?
- Judges attend the event:
 - o interact with event organizers and attendees
 - o fill in and submit a <u>Judges Report</u>
- The judges are not there to assess the technical aspects of the event, or to provide advice to the organizers.



Judges Report: Part 1

Form #1: Judge's Report

Date & Event Name:

Judge Name:

<u>Judges' Report</u>

Part 1: Messaging

What was the intended message that organizers wanted participants to take away from the event?

How well did event organizers deliver this message?

No attempt at delivery 0 1 2 3 4 5

Perfect delivery

Comments:

Judges Report: Part 2

Part 2: Theme

How did event organizers incorporate the theme, "There is a Place for You" into their event? What does the theme mean to them and their event?

How well did event organizers incorporate the theme, "There is a Place for You" in the event?

Comments:

Judges Report: Part 3

Part 3: Engagement

Describe the overall feeling of participants. Were participants engaged and fully present during the event?

Did organizers succeed in engaging participants?

No engagement 0 1 2 3 4

Total engagement

Comments:

Participant Engagement: What works?

- Small volunteer to participant ratio
- Asked/answered lots of questions
- Age-appropriate language
- Hands-on activities and support available
- Engaging all types of learners: event has visual, oral, tactile elements
- Participant discussion encouraged
 - Example: 5 minute discussion before presentation to discuss 'What do you think the future of engineering and technology looks like?' in small groups
 - O Be creative: use social media #NEM2016



NEM Ontario 2015 Challenge Events

College + Organization (Organizer)	OACETT Chapter	Event		
Centennial College (Bala)	Toronto East	DNA: The future of storing information		
Centennial (Henry)	Toronto East	Technology Gallery		
Seneca + Fire Protection Student Association (Anna)	Toronto Central	Innovation in Industry Dinner		
Seneca + Women in Technology (Mary)	Toronto Central	X-Zone		
Sheridan + Sheridan Engineering Association (Hargurdeep)	Peel	Get Innovative!		
Conestoga + Engsoc (Greg)	Grand Valley	Design and Engineering Challenge		
Conestoga + Engsoc (Brandon)	Grand Valley	Robot Eggs-travaganza		
Conestoga + IEEE (Verdi)	Grand Valley	Engineering Fair – March 10 th		
George Brown (Mohammed)	Toronto Central			
Loyalist (JD)	Quinte	Innovations in Waterworks		
Confederation College	Thunder Bay	Engineering and Technology Symposium		

Timeline for NEM + Student College Challenge 2016

- •Sunday November 15th Team registrations due at http://nemontario.ca/college-challenge
- •Monday November 30th Completed funding applications due to nemontario@ewb.ca
- •December 2015 Funding decisions communicated via email, event listings updated on nemontario.ca Webinar listings distributed
- •January 15th 2016 Scorecards and first funding payment will be distributed
- February 15th 2016 Merchandise shipped to main organizer
- •March All events held, scorecards completed and sent to nemontario@ewb.ca
- •April 10th Second funding payment will be distributed to all event organizers who have returned their scorecards.
- •Mid-April Winner selected and notified, rankings with comments published. Ceremony held.
- •May 1st Last day to submit scorecards!

Second payment will not be distributed for scorecards outstanding after May 1st 2015. Thanks for your prompt submission!

http://nemontario.ca/college-challenge







NEM ONTARIO

College Student Challenge



Register Now!

Overview of Social media

Questions, Comments, Please reach out!

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