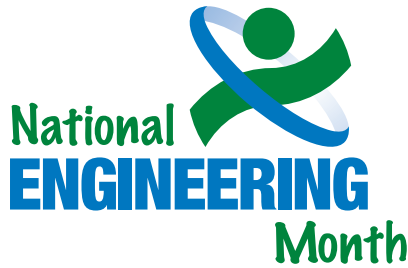


[NATIONAL ENGINEERING MONTH]



2010 ONTARIO EVENT HIGHLIGHTS

National Engineering Month (NEM) is a Canada-wide, month-long celebration designed to raise awareness of engineering and engineering technology and the contributions they make to our daily lives. It also encourages young people to consider careers in the engineering field.

Each province and territory selects a suitable week. This year, Ontario will be celebrating engineering from February 27 through March 7. More than 100 volunteer-staged events will take place throughout the province offering a great opportunity to have fun, whether you decide to volunteer or simply attend an event with your family. For more information on volunteer opportunities and an up-to-date listing of NEM Ontario events, visit www.engineeringmonth.on.ca and click on Event Calendar.

Watch for the special supplement in the *Globe and Mail* on Thursday, February 25.

BELLEVILLE

8TH ANNUAL POPSICLE STICK BRIDGE-BUILDING COMPETITION

9 a.m. to 1 p.m., February 27

PEO's Quinte Chapter challenges students of all ages and grades to construct bridges using only popsicle sticks and white glue. Built ahead of time, bridges will be tested to destruction with the PEO Thousand Islands Chapter's bridge buster. Contact Heide-Marie Ross, P.Eng., at 613-398-8492.

BRAMPTON

POPSICLE STICK BRIDGE-BUILDING COMPETITION 9 a.m. to 2 p.m., February 27

PEO's Brampton Chapter hosts a bridge-building competition for grades 6, 7 and 8 students. Judging will be based on a combination of the students' understanding of their design and the actual destruction of their bridge using a bridge tester jig. Contact Gemma Duley, P.Eng., at 905-951-6697.

BROCKVILLE

7TH ANNUAL BRIDGE-BUILDING COMPETITION

Members of PEO's Thousand Islands Chapter visit local schools to promote the engineering profession, discuss engineering principles, and conduct bridge-building competitions. Contact John Ireland, P.Eng., at 613-285-4573.

CHATHAM

8TH ANNUAL IMPROMPTU DESIGN COMPETITION

PEO's Chatham-Kent Chapter hosts an impromptu design competition for local elementary and

high schools. Students will be given a task and materials to design and construct their solution to a problem.

Contact Shane McDowell, P.Eng., at 519-436-4600, ext. 2842.

CORNWALL

CORNWALL ENGINEERING IDOL COMPETITION

Cornwall Mall

PEO's Upper Canada Chapter hosts its first "engineering idol" competition, a game-style engineering project. Contact John St. Marseille, P.Eng., at 613-933-5602.

ETOBICOKE

MIDDLE SCHOOL PRESENTATIONS

Members of the Etobicoke Chapter make presentations at area middle schools to discuss what careers in engineering involve and to demonstrate through hands-on activities some of the applications of engineering principles used to solve various problems. Contact Richard Weldon, P.Eng., at 416-239-7955.

3RD ANNUAL ENGINEERING IDOL COMPETITION

March 6, Ontario

Science Centre

PEO's Etobicoke Chapter hosts a game-style engineering project, where 12 selected high schools will be assigned the same engineering task associated with "clean water." Visit www.engineeringidol.com or contact Richard Weldon, P.Eng., at 416-239-7955.

GEORGETOWN

17TH ANNUAL HALTON ENGINEERING CHALLENGE

March 6,

Stewarttown Middle School,

Georgetown

PEO's Hamilton Chapter challenges local grades 7 and 8 students to design and build a robotic arm that transports springs of different sizes and shapes from one point to another. Contact Bernard Amyot, P.Eng., at 905-662-7921.

KINGSTON

10TH ANNUAL POPSICLE STICK BRIDGE-BUILDING COMPETITION February 27, Queen's University, Ellis Hall

The Kingston Chapter challenges local elementary school students as well as adults to construct the strongest bridge possible using only 100 popsicle sticks and white glue. Contact Brenden MacKinnon, P.Eng., at 613-533-6008.

OPEN HOUSE DAY AT THE INTEGRATED LEARNING CENTRE Queen's University

The engineering student society invites local middle and high school students to take part in mini design projects, education presentations, and various other activities designed to promote the importance and value of engineering. Contact Maegan Fell at 613-533-6008.

KITCHENER

DROP-IN K'NEX CONSTRUCTION WORKSHOPS 10 p.m. to 5 p.m., Saturday, February 27 and Saturday, March 6; 12 p.m. to 5 p.m., Sunday, February 28 and Sunday, March 7, Waterloo Regional Children's Museum

Engineering and technology volunteers help children six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringmonth.on.ca and click on Volunteer Opportunities.

LONDON

DROP-IN K'NEX CONSTRUCTION WORKSHOPS 10 a.m. to 5 p.m. Saturday, February 27 and Sunday, February 28; then daily from Tuesday, March 2 through Sunday, March 7; also 5 p.m. to 8 p.m. on Friday, March 5, London Regional Children's Museum

Engineering and technology volunteers help children six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringmonth.on.ca and click on Volunteer Opportunities.

ENGINEERING WEEK LUNCHEON

PEO's London Chapter hosts various events to increase public awareness about the engineering profession:
February 27: Paper Airplane Toss Competition and Bridge-busting Competition; March 2: Dingman Pollution Plant Tour; March 3: Diamond Aircraft Tour and Athletics; March 4: 3M/London Hydro Tour Contact Ian Cheng, P.Eng., at 519-652-2104.

13TH ANNUAL GUIDING EXPLORING TECHNOLOGY-SCOUTING EXPLORING TECHNOLOGY (GETSET) 8:30 a.m. to 4 p.m., March 6, London Scout HQ, 531 Windermere Road

The London OACETT chapter presents a hands-on technology day for guides and scouts with interactive displays, technical demonstrations, indoor and outdoor challenges and a bridge-busting competition, co-hosted with PEO's London Chapter. Contact Peter Nicholas, C.E.T., at 519-878-0942.

WESTERN ENGINEERING BONANZA March 4, University of Western Ontario, Spencer Engineering Building

The Undergraduate Engineering Society invites local high school students to attend presentations and demonstrations of various aspects of the engineering disciplines and student

groups. The day concludes with a hands-on design competition. Contact Carlie Scalesse at 519-661-3609, ext. 83609.

MISSISSAUGA

BRIDGE-BUILDING CONTEST

PEO's Mississauga Chapter invites Peel District School Board grades 7 and 8 students to design, construct and test bridges. Contact Khaled El-Rahi, P.Eng., at 416-677-3905.

NEWMARKET

DESIGN CHALLENGE 2010 4 p.m. to 8 p.m., March 4, Newmarket High School

The Education Committee of PEO's York Chapter challenges grades 7 and 8 student teams to build an innovative structure that will protect an egg inside a car that crashes at the end of a ramp. Contact Gord Young, P.Eng., at 289-231-4644.

NORTH BAY

BALSA WOOD BRIDGE-BUILDING CONTEST

PEO's North Bay Chapter challenges local students to build bridges using six pieces of balsa wood. Prizes to be awarded for greatest weight-to-load ratio and for finish and build quality. Contact John Simmonds, P.Eng., at 705-474-4667.

OAKVILLE

FULL DAY OF ENGINEERING EVENTS Abbey Park School, Oakville

PEO's Oakville Chapter plans a full day of events for students in grades 9 to 12, including Engineers Without Borders' "renewable energy resources" workshop, and a demonstration by McMaster University's solar car team. Contact Zahraa Al-Ali, P.Eng., at 905-334-9939.

[NATIONAL ENGINEERING MONTH]

OTTAWA

OTTAWA ENGINEERING CHALLENGE 2010 8 a.m. to 3 p.m., February 25, Canada Science and Technology Museum

PEO's Ottawa Chapter will collaborate with the National Research Council and grades 5 to 7 teachers to engage up to 2000 students in a problem-solving activity in which student "engineering teams" will be challenged to design and construct a rubber-band-powered zamboni prototype. Contact Christopher Taylor, P.Eng., at 613-763-8794.

UNIVERSITY OF OTTAWA CELEBRATES ENGINEERING MONTH

The engineering student society hosts a week of activities to promote engineering to children and youth. Activities will be arranged for various age groups ranging from grades 1 through 12 and local girl guides and boy scouts groups. There will be hands-on activities, including egg drops, power boats, earthquake-proof structures, tallest towers, and balloon-powered cars. Contact Matthew Brenner at 613-562-5800, ext. 6188.

PEMBROKE

SPACECRAFT THRUST STRUCTURE-BUILDING COMPETITION 1 p.m. to 4 p.m., March 6, Pembroke Mall, Ottawa Valley

PEO's Algonquin Chapter challenges grades 5 to 7 students in a first-ever spacecraft thrust structure building competition. Contact Thomas A. Moir, P.Eng., at 613-687-6125.

PETERBOROUGH

ENGINEERING AND TECHNOLOGY CHALLENGE The Peterborough chap-

ters of PEO and OACETT and the Institute of Electrical and Electronic Engineers invite area students to participate in the design and construction of a water-retaining dam. The event will involve a short tutorial on water resources engineering and other related material. Contact Clarence Klassen, P.Eng., at 705-743-1076.

SARNIA

6TH ANNUAL POPSICLE BRIDGE CHALLENGE March 27, Lambton College, 1457 London Road

PEO's Lambton Chapter hosts a bridge-building challenge for local grades 5 and 7 students at Lambton Mall. Bridges will be evaluated on deflection versus mass. Contact David Murray, P.Eng., at 519-908-9246.

SAULT STE. MARIE

8TH ANNUAL NEM CELEBRATION FEATURING 7TH ANNUAL MATHEMATICS CONTEST February 26, Station Mall

PEO's Algoma Chapter hosts a math challenge, an egg-drop competition, engineering displays and robotics demonstrations during the engineering month celebration. Contact François Nzotungwanimana, engineering intern, at 705-946-8130, ext. 8123.

SCARBOROUGH

7TH ANNUAL POPSICLE STICK BRIDGE-BUILDING CONTEST 11 a.m. to 4 p.m., February 27, Scarborough Civic Centre

PEO's Scarborough Chapter hosts a bridge-building competition for grades 3 to 8 students from local schools. Bridges, which must weigh less than 250 grams, will be tested to destruc-

tion to determine the maximum load-bearing capability. To register, please contact Kwame Johnson, engineering intern, at 416-499-3110.

SUDBURY

DROP-IN K'NEX CONSTRUCTION WORKSHOPS 10 a.m. to 4 p.m., Saturday, February 27, Sunday, February 28, Saturday, March 6 and Sunday, March 7

Science North Engineering and technology volunteers help children six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringmonth.on.ca and click on Volunteer Opportunities.

ROBOT-BUILDING COMPETITION 10 a.m. to 3 p.m., March 6, Cambrian College

OACETT's Sudbury Chapter challenges students from Cambrian College and College Boreal in its first robot-building competition. Contact Andrew Dryland at 705-560-5555.

THUNDER BAY

2010 ENGINEERING CHALLENGE & TOUR March 3, Lakehead University PEO's Lakehead Chapter invites grades 6 through 8 students to participate in team design competitions in chemical, civil, electrical and mechanical engineering; to visit practising engineers; tour engineering labs; and see demonstrations of engineering student projects. Contact Meilan Liu, PhD, P.Eng., at 807-343-8952.

TORONTO

DROP-IN K'NEX CONSTRUCTION WORKSHOPS 11 a.m. to 4 p.m., **Saturday, February 27, Sunday, February 28, Saturday, March 6, and Sunday, March 7, Ontario Science Centre**
Engineering and technology volunteers help children six and over create wonderful structures using K'NEX. Special features include a bridge-building challenge. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringmonth.on.ca and click on Volunteer Opportunities.

ENGINEERS WITHOUT BORDERS AT TORONTO PUBLIC LIBRARIES
Toronto Public Libraries (TPL), in partnership with Engineers Without Borders, present an interactive "Water for the World" workshop to grades 5 to 9 at various TPL locations in the Greater Toronto Area. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringmonth.on.ca and click on Volunteer Opportunities. Contact Julia Melnikova at 416-223-2261, ext. 225.

2010 ENGINEERING INNOVATIONS FORUM 7 p.m. to 10 p.m., **March 4, Ontario Science Centre, 770 Don Mills Road**
The Engineering Innovations Forum, initiated in 1990, was established as an open forum to focus on current topics from an engineering point of view. This year, the forum will discuss engineering innovations in consumer electronics. Contact Paul Annis, C.Tech., at 416-369-0137, ext. 189.

6TH ANNUAL FRENCH SCHOOLS BRIDGE-BUILDING COMPETITION 9 a.m. to 2:30 p.m., **March 4, Jean-Lalande Elementary School**
The Design Challenge-Construct a Bridge Group invites teams of grades 5 and 6 French-language students to construct bridges using supplied K'NEX or LEGO in one hour with the least amount of material (400 grams maximum) to withstand the highest

load at the mid span. Contact Mervat Rashwan, P.Eng., ing., at 905-763-2745.

6TH YORK REGION ANNUAL BRIDGE-BUILDING COMPETITION 11 a.m. to 4:30 p.m., **February 27, Académie de la Moraine, 13200 Yonge Street**
Grades 5 and 6 students from all York Region schools are asked to construct bridges using supplied K'NEX or LEGO in one hour with the least amount of material (400 grams maximum) to withstand the highest load at the mid span. Contact Mervat Rashwan, P.Eng., ing., at 905-763-2745.

HI-SKULE ANNUAL DESIGNAPOLOOZA **University of Toronto, St. George Campus**
The University of Toronto Engineering Society invites grades 1 to 8 students from local schools to join in an exciting afternoon of design challenges that will feature an amusement park theme. Activities will include the construction of roller coasters, carousels, ferris wheels, marble mazes, and demonstrations of how cotton candy is made. Contact Michelle Cheung at 647-938-6692.

PROFESSIONAL CAREER PATHS PRESENTATIONS **Runnymede Public and Swansea Public schools**
The Toronto West Chapter of OACETT invites grades 5 and 6 students to attend presentations on possible engineering and technology career paths that also discuss the differences between the job functions of professional engineers, technologists and technicians.

WINDSOR

CELEBRATING ENGINEERING The Windsor-Essex Engineering Week Committee presents a high school design competition, a poster competition, workshops at Canada South Science City, and an awards luncheon, where engineering week scholarships and engineer and technologist of the year will be presented. Contact Peter T. Bziuk, P.Eng., at 519-796-7827.

ENGINEERING MONTH 2010 ONTARIO PATRONS:

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