

NATIONAL ENGINEERING WEEK



2006 Ontario Event Highlights

National Engineering Week (NEW) will take place February 25 to March 5, 2006.

In Ontario, the week will feature dozens of activities for all ages. It's a great opportunity to have fun, whether you decide to be a volunteer or simply attend an event with your family. For more information on volunteer opportunities, and a more complete calendar of events, visit www.engineeringweek.on.ca.

Watch for the NEW 2006 supplement appearing Thursday, February 23 in the Ontario edition of *The Globe and Mail*.

Barrie

3rd Annual Simcoe County Mousetrap Vehicle Challenge

12:00 p.m., March 2, Georgian College

The Georgian Bay OACETT Chapter presents its Mousetrap Vehicle Challenge, where teams of grades 7 and 8 students compete for distance, speed and design with the mousetrap vehicles they have designed and built. Contact Stephen Morley, C.E.T., at 905-936-9368.

Belleville

Original Design Activity

The Quinte OACETT Chapter invites high school students to build a structure from various materials (to be revealed at the event) that supports, holds or resists a load. Contact Dennis Martin, A.Sc.T., at 613-394-3800.

4th Annual Popsicle Stick Bridge-Building Contest

February 25, St. Theresa High School Great Hall
PEO's Quinte Chapter challenges students in grades 4 to 12 to construct a bridge using only 100 popsicle sticks and white glue. Contact Don Hadley, P.Eng., at 613-394-9844.

Brockville

3rd Popsicle Stick Bridge-Building Contest

PEO's Thousand Islands Chapter invites local students to construct a bridge using popsicle

sticks. Prizes are to be awarded for the strongest design. Contact Peter Keays, P.Eng., at 613-283-2863.

Chatham

Impromptu Design Competition

PEO's Chatham-Kent Chapter will host an impromptu design competition for elementary and high school students. Students will be given a task and materials to design and construct their solution to a problem. Contact Angela Hastey, P.Eng., at 519-436-4600, ext. 2049.

Cornwall

5th Annual Popsicle Stick Bridge-Building Competition

February 26, Cornwall Square

PEO's Upper Canada Chapter plans to hold a popsicle stick bridge-building competition for primary and secondary school students. Contact Guy Cuerrier, P.Eng., at 613-534-2441.

Guelph/Cambridge

Various Activities

PEO's Grand River Chapter is partnering with the University of Guelph to organize visits to local classrooms and to hold interactive engineering activities at local malls in Guelph and Waterloo. Contact David Auld, P.Eng., at 519-846-6221.

Kingston

6th Annual Popsicle Stick Bridge-Building Competition

March 4, Queen's University, Ellis Hall

PEO's Kingston Chapter challenges local elementary school students and adults to construct the strongest bridge possible using only 100 popsicle sticks and white glue. Contact Brenden MacKinnon, P.Eng., at 613-384-2713.

Engineering Open House

March 4, Queen's University

The Student Engineering Society hosts an open house for grades 7 to 10, followed by an engineering design competition between students. Contact Adam Dunn at 613-533-6008.

Kitchener

Drop-in K'NEX Construction Workshops

10:00 a.m. to 4:00 p.m., February 25 and March 4; 12:00 p.m. to 4:00 p.m., February 26 and March 5, Waterloo Regional Children's Museum

Engineering and technology volunteers help children aged six and over to create wonderful structures using K'NEX. Special features include a bridge-building challenge and demonstrations by Engineers Without Borders. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringweek.on.ca and click on "Volunteer Opportunities."

London

Drop-in K'NEX Construction Workshops

February 25 and February 26; then daily from February 28 through March 5; also 5:00 p.m. to 8:00 p.m., March 3, London Regional Children's Museum

Engineering and technology volunteers help children aged six and over to create wonderful structures using K'NEX. Special features include a bridge-building challenge and demonstrations by Engineers Without Borders. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringweek.on.ca and click on "Volunteer Opportunities."

PEO London Chapter Activities

PEO's London Chapter celebrates Engineering Week 2006 with a kick-off luncheon, a paper airplane toss, a bridge-building competition, and a tour of the Adelaide Pollution Control Plant. Contact Ian Cheng, P.Eng., at 519-652-2104.

Guiding Exploring Technology—Scouting Exploring Technology (GETSET)

8:30 a.m. to 5:00 p.m., March 4, London Scout HQ, 531 Windermere Rd.

The London OACETT Chapter presents interactive displays, technical demonstrations, indoor and outdoor challenges, and other activities for Guides and Scouts, including the Incredible Crusher that tests the load limit of their popsicle stick bridges. Contact Peter Nicholas, C.E.T., at 519-472-4938.

Newmarket

Design Challenge 2006

4:00 p.m. to 8:00 p.m., March 2, Newmarket High School

PEO's York Chapter will challenge grades 7 and 8 student teams from public and separate schools to build a self-propelled, self-controlled flying object to follow a predetermined flight path. Contact Edgar Martinez, P.Eng., at 905-508-3202.

Niagara Falls

PEO/OACETT Chapter Activities

The Niagara PEO and OACETT chapters invite local dignitaries and professionals to a National Engineering Week luncheon, where Awards of Merit are presented to students. Pairs of engineer-technologist teams make classroom presentations to grades 7 and 8 students. Contact Ed Dujlovic, P.Eng., at 905-356-7521.

North Bay

Regional Science Fair Gala Fundraiser

6:00 p.m., February 25, North Bay Best Western Hotel

PEO's North Bay Chapter and the North Bay Regional Science Fair's fundraising gala dinner heightens awareness of the importance of education in the areas of science, engineering, math and technology. Contact Melissa Buelow, P.Eng., at 705-840-2504.

Oakville

Engineering Career and Innovation Night

PEO's Oakville Chapter, with Oakville Trafalgar High School, presents a showcase of engineering focused on the transportation industry. Contact Donald Belyea, P.Eng., at 905-339-0059, ext. 364.

Halton Engineering Challenge 2006

March 4, E.J. James School, Oakville

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

Oshawa

Popsicle Stick Bridge-Building Competition

The Lake Ontario PEO and Durham Region OACETT chapters invite grades 6 to 8 students to participate in the competition at Durham College. Contact Bob van den Berg, C.E.T., at 905-391-6107.

Ottawa

Drop-in K'NEX Construction Workshops

10:00 a.m. to 4:00 p.m. daily, February 25 to March 5, Canada Science and Technology Museum

Engineering and technology volunteers help children aged six and over to create wonderful structures using K'NEX. Special features include a bridge-building challenge and demonstrations by Engineers Without Borders. English- and French-speaking volunteers are needed to

make this workshop successful. To sign up, visit www.engineeringweek.on.ca and click on "Volunteer Opportunities."

Carleton Celebrates Engineering Week 2006

The Carleton University Student Engineering Society is hosting an engineering design competition for three grade levels February 28, March 1 and March 3; a display at the Rideau Centre Mall March 3; and a pie-throw charity event March 2. Contact Andrew Gonis at 613-520-3616.

Ottawa Engineering Challenge 2006

February 28, Canada Science and Technology Museum

PEO's Ottawa Chapter and the National Research Council collaborate with grades 4 to 6 teachers to challenge student teams to design and construct a Disaster Relief Operation Prototype (DROP). Contact Frank Hendriksen, P.Eng., at 613-592-5995.

Peterborough

Engineering and Technology Challenge

The Peterborough PEO and OACETT chapters invite area high school students to participate in a design/build competition. Contact Gopal Mitra, P.Eng., at 705-748-7585.

Pickering

Mall Display

National Engineering Week, Pickering Town Centre

PEO's Lake Ontario Chapter is organizing informative and interactive displays, including K'NEX for the kids to build with, for the entire week. Contact Leon Vandenhoven, P.Eng., at 905-644-1187.

Richmond Hill

3rd Annual Design Challenge

11:00 a.m. to 4:30 p.m., February 25, Central Library

Grades 5 and 6 York Region students construct bridges. Contact Mervat Rashwan, P.Eng., at 905-763-2745.

Sarnia

2nd Annual Popsicle Bridge-Building Contest Finale

11:00 a.m., March 4, Lambton Mall

PEO's Lambton Chapter hosts a bridge-building challenge for local grades 5 and 7 students at Lambton Mall. Contact David Murray, P.Eng., at 519-869-6683.

Sault Ste. Marie

Engineering for Everyone Activities

February 25 to March 5, Station Mall

PEO's Algoma Chapter presents an exhibit of engineering-themed challenges, science-related short films, and displays of community projects by local engineers. Contact David Spacek, P.Eng., at 705-942-2070.

Scarborough

Popsicle Stick Bridge-Building Competition

March 4, Scarborough Civic Centre, Council Chamber

PEO's Scarborough Chapter will host a popsicle stick bridge-building competition for grades 3 to 8 students from area public and Catholic schools. Contact Irene Liu, P.Eng., at 416-698-9430.

4th Annual Interactive Learning Science and Technology Exhibits

February 25, Woodside Mall

The East Metro OACETT Chapter presents interactive exhibits with experiments that demonstrate the role of engineering in everyday life. Contact Egbert Balthazar, C.E.T., at 416-297-1972.

Sudbury

Drop-In K'NEX Construction Workshops

10:00 a.m. to 4:00 p.m., February 26, February 27, March 5, and March 6, Science North

Engineering and technology volunteers help children aged six and over to create wonderful structures using K'NEX. Special features include a bridge-building challenge and demonstrations by Engineers Without Borders. English- and French-speaking volunteers are needed to make this workshop successful. To sign up, visit www.engineeringweek.on.ca and click on "Volunteer Opportunities."

3rd Annual National Engineering Week Dinner

5:00 p.m. to 10:00 p.m., March 2, Collège Boréal

Collège Boréal and PEO's Sudbury Chapter are sponsoring a dinner with a keynote speaker to promote the engineering and technology professions and encourage students to consider careers in these fields. Contact Stéphanie Leclair, P.Eng., at 705-560-6673, ext. 4321.

Thunder Bay

National Engineering Week 2006 Challenge

Lakehead University

PEO's Lakehead Chapter and the faculty of engineering at Lakehead University invite grades 7

and 8 students to participate in team design competitions organized by students in chemical, civil, electrical and mechanical engineering. Contact Dr. Meilan Liu, P.Eng., at 807-343-8952.

Pasta Bridge-Building Competition

Confederation College's Aviation Centre of Excellence

Confederation College engineering technology students will host a bridge-building competition for local grades 5 and 6 student teams. Contact Joe Vieira, dean, School of Engineering Technology, at 807-473-3746.

Timmins

2nd Annual Robotic Competition

PEO's Porcupine-Kapuskasing Chapter invites grades 6 to 8 students from Timmins and outlying areas to participate in a robotics competition. Contact Harvey Sefton, P.Eng., at 705-258-3931.

Toronto

Drop-in K'NEX Construction Workshops

11:00 a.m. to 4:00 p.m., February 25, February 26, March 4, and March 5, Ontario Science Centre

Engineering and technology volunteers will help children aged six and over to create wonderful structures using K'NEX. Special features include

a bridge-building challenge and demonstrations by Engineers Without Borders. Volunteers are needed to make this workshop successful. To sign up, visit www.engineeringweek.on.ca and click on "Volunteer Opportunities."

French Classroom Presentations

Engineers engage GTA French students in activities and presentations. French-speaking engineers needed. Contact Mervat Rashwan, P.Eng., at 905-763-2745.

2nd Annual Design Challenge

10:00 a.m. to 2:00 p.m., February 28, Ecole St-Jean-de-Lalande, Scarborough
Grade 5/6 students from the public and separate French school boards and private French schools participate in building bridges. French-speaking engineering volunteers needed. Contact Mervat Rashwan, P.Eng., at 905-763-2745.

Engineering Innovations Forum

7:00 p.m. to 9:00 p.m., March 2, Ontario Science Centre
The Toronto PEO and OACETT chapters host this year's event, which focuses on engineering innovations in robotics. Contact André Rudnicki, P.Eng., at 416-392-3009.

High School Presentations

Seven Etobicoke High Schools
PEO's Etobicoke Chapter will visit local high schools to give career presentations and demonstrations. Students will use their own ingenuity to build "crash cars" using glue, popsicle sticks, elastics and wheels. Contact Richard Weldon, P.Eng., at 416-964-3246.

Ryerson Celebrates Engineering Week 2006

The Ryerson Student Engineering Society hosts a variety of Engineering Week activities, including a high school outreach day, engineering speaker presentations, and a Volkswagen bug push, among others. Contact Griffith D'Souza at 416-340-9400.

Windsor

PEO Chapter Activities

The Windsor-Essex Engineering Week Committee will present an elementary school essay contest, a high school design competition, and a poster competition. Engineering Week bursaries and Engineer and Technologist of the Year awards will be presented at an Engineering Week luncheon. Contact Peter Bziuk, P.Eng., at 519-255-6247, ext. 6005.

For an up-to-date listing of NEW events, visit www.engineeringweek.on.ca and click on "Event Calendar."

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