

# NATIONAL ENGINEERING WEEK



## 2005 Ontario Event Highlights

National Engineering Week (NEW) will take place February 26 to March 6, 2005. In Ontario communities, 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](http://www.engineeringweek.on.ca). Watch for the NEW 2005 supplement appearing Thursday, February 24 in the Ontario edition of *The Globe and Mail*.

### Barrie

#### Second Annual Mousetrap Vehicle Challenge

March 1, Georgian College, Barrie Campus  
The Mousetrap Vehicle Challenge invites teams of Grades 7 and 8 students to 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

#### Popsicle Stick Bridge-Building Contest

Ramada Inn Ballroom  
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

#### Popsicle Stick Bridge-Building Contest

PEO's Thousand Islands Chapter invites local students to construct a bridge using popsicle sticks, with prizes to be awarded based on strength and weight of the design. Contact Peter Keays, P.Eng., at 613-498-1876, ext. 232.

### Burlington

#### Halton Engineering Challenge 2005

March 5, St. Mark's School  
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 Araceli Blackwood, P.Eng., at 905-319-3006, ext. 258.

### Chatham

#### Impromptu Design Competition

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

### Cornwall

#### 4th Annual Popsicle Stick Bridge-Building Competition

February 26, Cornwall Square  
PEO's Upper Canada Chapter is holding a popsicle stick bridge-building competition for primary and secondary school students. Contact John St. Marseille, P.Eng., at 613-933-5602.

### Etobicoke

#### High School Presentations

Seven Etobicoke High Schools  
PEO's Etobicoke Chapter is organizing a series of 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.

### Guelph/Cambridge

PEO's Grand River Chapter is partnering with the University of Guelph to organize visits to 60 Grade 5 classrooms, an in-school bridge-building competition, and interactive engineering activities at Stone Road Mall in Guelph. Contact Lars Sterne, P.Eng., at 519-624-7223, ext. 30.

### Kingston

#### 5th Annual Popsicle Stick Bridge-Building Competition

March 5, Queen's University

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.

### Kitchener/Waterloo

#### Drop-in K'NEX Construction Workshops

10 a.m. to 4 p.m., February 26 and March 5;  
12 p.m. to 4 p.m., February 28 and March 6,  
Waterloo Regional Children's Museum  
Engineering and technology volunteers will help children aged six and over to create wonderful structures using K'NEX. Special features will include a bridge-building challenge and demonstrations by Engineers Without Borders.

### London

#### Drop-in K'NEX Construction Workshops

10 a.m. to 5 p.m., February 27, then daily  
from March 1 to March 6; and 5 p.m. to 8  
p.m., March 4, London Regional Children's  
Museum

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

### London

PEO's London Chapter celebrates Engineering Week 2005 with an Engineering Week kick-off luncheon, a paper airplane competition, a high school outreach program, a bridge-busting competition and two tours at the University of Western Ontario. Contact Ian Cheng, P.Eng., at 519-652-2104.

#### Guiding Exploring Technology— Scouting Exploring Technology (GETSET)

8:30 a.m. to 5 p.m., March 5, London  
Scout HQ, 531 Windermere Rd.  
OACETT's London 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.

## Markham

### Design Challenge 2004

4 p.m. to 8 p.m., March 3  
Newmarket High School

PEO's York Chapter will challenge Grades 7 and 8 student teams from public and separate schools to build a better coffee cup/soup bowl. Contact Susan Treki, P.Eng., at 905-946-2212.

## Niagara Falls

### National Engineering Week Luncheon

The Niagara Engineering Week committee invites local dignitaries and professionals to participate in technical forums before lunch and then listen to a keynote speaker. Contact Ralph Scholz, P.Eng., at 905-984-3644.

## North Bay

### Bridge-Building Contest

PEO's North Bay Chapter is organizing a bridge-building contest for students in Grades 6 to 12. The challenge will be to build a bridge of any design using six pieces of balsa wood. Contact John Simmonds, P.Eng., at 705-474-4667.

## Oakville

### Engineering Career and Innovation Night

March 2

PEO's Oakville Chapter is holding a night of presentations to showcase engineering and innovations and raise awareness of the engineering profession and the role of PEO. Contact Doug Hink, P.Eng., at 905-469-1743.

## Ottawa

### Drop-in K'NEX Construction Workshops

10 a.m. to 4 p.m., February 26 to March 6, Canada Science and Technology Museum  
Engineering and technology volunteers will help children aged six and over to create wonderful structures using K'NEX. Special features will include a bridge-building challenge and demonstrations by Engineers Without Borders.

### Carleton Celebrates Engineering Week 2005

The Carleton University Student Engineering Society is hosting an engineering design competition on February 28 and March 3 and 4, a display at

Rideau Centre Mall on March 3, a pie-throw charity event on March 3 and high school presentations. Contact Nadine Ford at 613-520-3616.

### Engineering Challenge 2005 Rubber Band-Powered Car

February 28, Canada Science and Technology Museum

PEO's Ottawa Chapter and the National Research Council are collaborating with teachers of Grades 4 to 6 to challenge student teams to design and construct a rubber band-powered car. Contact Margaret Kennedy at 613-991-6349.

### Engineering Week Kiosks

6 p.m. to 9 p.m., March 1 to 3  
University of Ottawa

The University of Ottawa Engineering Student Society will hold awareness activities for high school students involving interactive kiosks from different departments on campus. Primary school students will visit during a field trip on March 2. Contact Nicolas Horne at 613-562-5800, ext. 6188.

## Pembroke

### Bridge-Building Contest

PEO's Algonquin Chapter will host a bridge-building contest for two-person teams of Grades 6 to 8 students from area schools. Prizes will be awarded for the strongest bridges. Contact David Wilder, P.Eng., at 613-584-4252.

## Peterborough

### Engineering and Technology Challenge

PEO's and OACETT's Peterborough chapters challenge high school students to design, build and test a mechanical "flinger" device powered by one or two rubber bands. Contact Gopal Mitra at gkmitra@sympatico.ca.

## Pickering

### Mall Display

Pickering Town Centre

PEO's Lake Ontario Chapter is organizing a mall display of engineering feats with special interactive activities for children, including computer exercises, bridge building and paper airplane construction. Contact Leon Vandenhoven, P.Eng., at 905-644-1197.

## Richmond Hill

### Bridge-Building Competition

Students in Grades 5 to 8 from York Region French schools are invited to participate in two categories: best-looking bridge and best weight-bearing bridge. Contact Mervat Rashwan, P.Eng., at 905-763-2745.

## Sault Ste. Marie

### Engineering for Everyone Activities

February 28 to March 7, 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 5, Scarborough Civic Centre

PEO's Scarborough Chapter is hosting a popsicle stick bridge-building competition for students in Grades 3 to 8 from several schools. Contact Irene Liu, P.Eng., at 416-698-9430.

### 3rd Annual Interactive Learning Science & Technology Exhibits

March 5, Woodside Mall

OACETT's East Metro Chapter is organizing interactive exhibits that use problem-solving techniques, teamwork and mathematics. Contact David Rayburn, C.E.T., at 416-299-7512.

## Sudbury

### Drop-In K'NEX Construction Workshops

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

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

### 2nd Annual National Engineering Week Dinner

5 p.m. to 10 p.m., February 23

Collège Boréal

Collège Boréal and PEO's Sudbury Chapter are sponsoring a dinner with keynote speaker Bob Saunders from the Avro Arrow Model Recovery Program. Contact Jo-Anne Boucher-Miron, P.Eng., at 705-560-6673, ext. 4221.

## NEW Technology Day

9 a.m. to 3 p.m., March 1, Collège Boréal  
Collège Boréal and PEO's Sudbury Chapter invite students in Grades 9 to 12 to experience technology and engineering through interactive workshops and hands-on laboratories. Contact Jo-Anne Boucher-Miron, P.Eng., at 705-560-6673, ext. 4221.

## Thunder Bay

### National Engineering Week 2005 Challenge

Lakehead University

PEO's Lakehead Chapter and the faculty of engineering at Lakehead University invite students in Grades 7 and 8 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

Aviation Centre of Excellence

Thunder Bay Airport

Confederation College engineering technology students are hosting a bridge-building competition for 15 Grades 5 and 6 student teams. Contact Dr. Peter Kuzyk, P.Eng., at 807-475-6695.

### Engineering—Visions of Things To Come

Confederation College

Confederation College is hosting an industry/education forum to discuss exciting career opportunities in the engineering

field. Contact Joe Vieira, dean, school of engineering technology at 807-473-3746.

## Timmins/Timiskaming

PEO's Porcupine-Kapuskasing Chapter is partnering with area educators to organize an Engineering Week dinner in Timmins, and robotics competitions in Timmins and Timiskaming. Contact Harvey Sefton, P.Eng., at 705-258-3931.

## Toronto

### Drop-in K'NEX Construction Workshops

11 a.m. to 4 p.m., February 26 and 28, March 5 and 6, Ontario Science Centre  
Engineering and technology volunteers will help children aged six and over to create wonderful structures using K'NEX. Special features will include a bridge-building challenge and demonstrations by Engineers Without Borders.

### Engineering in Climbing/ Mountaineering

March 6, Mountain Equipment Co-op  
PEO's North Toronto Chapter shares the excitement of the climbing experience. Participants will be able to compare the amount of force required to raise a climber at two different stations. Contact Stephen Davis, P.Eng., at 519-833-7414.

### Engineering Innovations Forum

7 p.m. to 9 p.m., March 3, Ontario Science Centre, Imperial Oil Auditorium

PEO's and OACETT's Toronto chapters are hosting this year's event, which focuses on Ontario's electricity supply. Contact André Rudnicky, P.Eng., at 416-392-3009.

### Engineers and Engineering Achievements

Toronto Aerospace Museum

A special display covering renowned engineers and engineering achievements in aviation and aerospace enhances the education of students, the general public and visiting tourists. Contact A.A. Haasz, P.Eng., at 416-667-7700.

### Ryerson Celebrates Engineering Week 2005

The Ryerson Student Engineering Society will host a high school outreach day March 1 and a Volkswagen Bug push March 2. Contact Shawn Mondoux at 416-913-3298.

## Windsor

The Windsor-Essex PEO/OACETT Engineering Week Committee presents an elementary school essay contest, a high school design competition, a poster competition and a public display. Engineering Week bursaries and Engineer and Technologist of the Year awards will be presented at an Engineering Week luncheon. Contact Susan Jennings, C.E.T., at 519-972-2727.

For a complete and up-to-date listing of NEW events, visit [www.engineeringweek.on.ca](http://www.engineeringweek.on.ca) and click on "Event Calendar."

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