

# OUTREACH

## *Bringing Science To You*

*Through various key programs, APEGGA supports the efforts of teachers to spark interest in science.*



### SCIENCE CLASSROOM PRESENTATIONS

*Volunteers customize their presentations to complement the curriculum and bridge the gap between real-world and classroom theory.*

#### Elementary

##### Grade 3

- Rocks & Minerals
- Building With a Variety of Materials
- Testing Materials & Designs
- Hearing & Sound

##### Grade 6

- Air & Aerodynamics
- Flight

#### Junior and Senior High

##### Grade 7

- Structures & Forces
- Planet Earth

##### Grade 9

- Electrical Principles & Technologies
- Environmental Chemistry

##### Grades 10-12

- Most senior high science subjects



### CAREER EVENTS AND MATERIALS

- Presentations
- Booths
- Interviews
- Job Shadows
- Publications



### SCIENCE EVENTS

- Judges
- Hands-on science activities at school science days - all grades

### AWARD PROGRAMS

- University Entrance Scholarships
- Education Scholarships (for teachers and APEGGA members)
- Teacher Awards Program



**Our volunteers are engineers, geologists and geophysicists.  
We provide a free, province-wide service.**

### CONTACT THE APEGGA OUTREACH PROGRAM

#### Head Office

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**APEGGA**

The Association of  
Professional Engineers, Geologists  
and Geophysicists of Alberta



## WHO ARE WE?

APEGGA is responsible for regulating the practice of engineering, geology and geophysics in the province of Alberta. Established in 1920, APEGGA is the largest professional association in Alberta, with 40,000 members.

APEGGA is a tremendous resource base of practicing engineers and geoscientists who can share their knowledge and experience with young people. They also help to promote interest in the sciences, science-based careers, math and technology.

## WHAT ARE WE DOING?

- Raising public awareness of engineering, geology and geophysics professions.
- Promoting an interest in math, science and technology through the Alberta school system.
- Sponsoring the APEGGA Teacher Awards which recognize outstanding math and science teachers.
- Supporting provincial math and science events.
- Working to assist in the development of math and science curricula.

## WHY ARE WE INTERESTED?

- APEGGA recognizes that engineering, science and technology are an important part of Canada's future in world markets.
- Statistics show declining university enrollment in math and science.
- Experts predict upcoming shortages of skilled technical labour.
- APEGGA believes more students will enter math and science fields if their interest is nurtured throughout their primary and secondary school years.



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## WHAT'S COMING UP IN 2003/2004?

Check our science web site for details on each of the following events and others.

[www.apegga.org/science](http://www.apegga.org/science)

### 2003

- October 10–19 Alberta Science & Technology Week ([www.scitechweek.gov.ab.ca](http://www.scitechweek.gov.ab.ca))
- October 11 Hands-on Science at the Odyssium, Edmonton
- October 18 Rock & Fossil Clinic and Hands-On Science at the Odyssium, Edmonton

### 2004

- February National Engineering and Geoscience Week
- Provincial School Challenge Information mailed to Alberta Schools (Entry deadline: March 12, 2004)
- February Teacher Awards Program
- Nominations mailed to Alberta Schools (Nomination deadline: March 31, 2004)
- February 28 - March 7 National Engineering and Geoscience Week
- Calgary Science Olympics (Grades 1-12)
  - Edmonton Science Olympics (Grades 1-12)
  - Fort McMurray Science Olympics (Grades 7-9)
  - Grande Prairie Science Olympics (Grades 10-12)
- July 15
- Deadline for APEGGA Education Scholarships (*Two-year scholarships for Alberta teachers and APEGGA members wishing to obtain combined degrees in education and science*)
  - Deadline for APEGGA University Entrance Scholarships