

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

### Science Classroom Presentations

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

#### Elementary

##### Grade 3

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

##### Grade 6

- Air and Aerodynamics
- Flight

#### Junior and Senior High

##### Grade 7

- Structures and Forces
- Planet Earth

##### Grade 9

- Electrical Principles and Technologies
- Environmental Chemistry

##### Grades 10-12

- Most Senior High science subjects

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



#### 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

#### Contact the APEGGA Outreach Program

##### Head Office

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The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta



## Who are we?

APEGGA serves the public interest by regulating the practices of engineering, geology and geophysics in Alberta, by providing leadership for our professions, and by upholding our Members in their professional practices. Established in 1920, and with more than 45,000 Members, APEGGA is the largest professional association in Alberta.

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 science, math, technology, and science-based careers.

## What do we do?

- Raise public awareness of the engineering, geology and geophysics professions.
- Promote an interest in science, math and technology through the Alberta school system.
- Sponsor the APEGGA Teacher Awards program which recognizes outstanding science and math teachers.
- Support provincial science and math events.
- Work to assist in the development of science and math 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 science and math.
- Experts predict upcoming shortages of skilled technical labour.
- APEGGA believes more students will enter the science and math fields if their interest is nurtured throughout their primary and secondary school years.

## What's coming up in 2006 and 2007?

For more details on these events, and others, check the APEGGA website: [www.apegga.org](http://www.apegga.org)

### 2006

**Science & Technology Week** October 13–20  
([www.scitechweek.gov.ab.ca](http://www.scitechweek.gov.ab.ca))

#### **APEGGA Rock & Fossil Clinic**

Edmonton October 14

Telus World of Science

Canmore October 14

Canmore Museum & Geoscience Centre

### 2007

**National Engineering & Geoscience Week** February 23– March 4

#### **Science Olympics**

Calgary (Grades 1-12) February 24

Edmonton (Grades 1-12) March 3

Check the APEGGA website in November for Science Olympics to be held at these locations in 2007:

Grande Prairie

Lethbridge

Lloydminster

Medicine Hat

Red Deer

#### **APEGGA Teacher Awards Program**

Information mailed to Alberta schools in January;

Nomination deadline: March 31

#### **APEGGA Education Scholarships**

Two-year scholarships for Alberta teachers and APEGGA members wishing to obtain combined degrees in education and science;

Application deadline: July 15

#### **APEGGA University Entrance Scholarships**

Application deadline: July 15



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