

OUTREACH *Bringing Science To You*

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



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

Contact the APEGGA Outreach Program

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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 43,000 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 2005 and 2006?

For more details on these events, and others, check the APEGGA website: www.apegga.org

2005

Science & Technology Week October 7-16
(www.scitechweek.gov.ab.ca)

APEGGA Rock & Fossil Clinic

Edmonton, October 15

Telus World of Science

Canmore, October 15

Canmore Museum & Geoscience Centre

2006

National Engineering & Geoscience Week February 24- March 5

Science Olympics

Calgary (Grades 1-12) February 25

Edmonton (Grades 1-12) March 4

Grande Prairie (Grades 7-12) February 25

Check the APEGGA website in November for Science Olympics to be held at these new locations in 2006:

Cold Lake

Hinton

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