



**CALGARY  
SCIENCE  
NETWORK**

Connecting Science and Community

# Junior & Senior High Science and Technology Presentations 2008-2009 Request Form

Engineers, Mathematicians, and Scientists from Mount Royal College, SAIT, the University of Calgary, the City of Calgary, Inside Education, and local engineering firms team up with teachers from Junior & Senior High Schools to produce a short presentation connecting a curriculum unit to recent research and new technology. This presents an excellent opportunity for enrichment and extension of a specific topic and can be taken advantage of throughout the school year at mutually convenient times to the teachers and the presenters.

Each presentation is based on one of the topics listed below. Teachers are selected in accordance with their preferences, and submit a request form indicating their topic choices. It is our hope that the presentation will begin with reference to a curriculum unit (although this is not necessary), then move into a presentation not normally available to the teacher (possibly a modification of a demo used at the university or college) and finish up with some strong connections to modern technology. What the presentation turns out to be depends on the instructor, the teacher, and their interaction with each other and with the students!

Please indicate your choice of topic. Your first choice may not be available but we will do our very best!

Teacher Contact Name: \_\_\_\_\_

Teacher Email: \_\_\_\_\_

1st Choice \_\_\_\_\_

2nd Choice \_\_\_\_\_

3rd Choice \_\_\_\_\_

Grade(s): \_\_\_\_\_ # classes:

School: \_\_\_\_\_

Address: \_\_\_\_\_

School Phone: \_\_\_\_\_

Principal's Signature \_\_\_\_\_

### Topics

- Biotechnology - Joint Injuries and Arthritis
- Brainworks
- Cell Biology—Glowing Bacteria
- Chemistry – Polar vs. Nonpolar Compounds
- Climate Change
- Disease-causing Organisms
- Electronic Microscopes – Tour the Microscopy and Imaging lab at UofC
- Genetic Counseling
- The Eye and Corrective Lenses
- Mapping GIS and Satellite Images
- Robotics

### • Navigation GIS (for science & math)

- Where is Here?
- How to be a Great Navigator
- Navigation by Numbers
- Getting it Right
- Topo Map Mania
- Getting to the Point
- By Land, Sea or Air
- Navigation at the speed of satellites
- GPS on the move
- NOT so Lost in Space

Selection is on a first-come, first-served basis.  
One Activity Request Form per school please.

**For additional information please contact CSN at 263-6226**

**PLEASE FAX COMPLETED FORM TO CSN at 230-8488**