



Professional Development Workshops for Teachers

Instructional development workshops for teachers during the academic year in across Canada to implement comprehensive, curriculum-link classroom resources at the junior, intermediate and senior levels. At the conclusion of the in-service workshop the teacher will be eligible to purchase of the following resources:

Deeper and Deeper: Junior (Grades 4-6)

Examine rocks and minerals and investigate their importance in your life. Discover the benefits and costs of using products made from mined materials. *Deeper and Deeper* includes:

- 39 lesson plans, each including student activity cards
- Student investigation file master for easy photocopying
- Mineral testing equipment along with 36 rocks and 29 mineral samples needed for the activities
- Posters, photographs, DVD, diagrams, book, card game used in the activities
- Additional resources such as word wall cards, posters and fact sheets
- Sturdy storage container

The Earth's Crust: Intermediate (Grades 7 – 9)

Explore the theory of plate tectonics, earthquakes, volcanoes, geothermal energy, rocks and minerals, Earth's resources, soils, and provincial geology. *The Earth's Crust* includes:

- 35 lesson plans and activities with overhead transparencies
- Diagram masters for easy photocopying
- Mineral testing equipment, along with 72 rock and mineral samples
- Maps and fossil cards
- Additional resources such as videos, posters, career information and books
- Sturdy storage container

Discovering Diamonds: Senior (Grades 10 -12)

Using authentic data and hands-on experiences students will learn about Earth science through activities linked by the theme of Canada's world-class diamond bearing deposits. Diamond formation reveals knowledge of the Earth's formation and structure. Modern technology that is being applied to the discovery, extraction and processing of diamonds requires understanding of internal and surficial processes.

- 21 hands-on activities that encourage critical thinking and bring in elements from every area of Earth science
- Kimberlite & indicator mineral samples
- Book: *Canada's Northern Diamonds...from rocks to riches*, by Gayla Meredith ([While quantities last](#))
- Map *Northern Canada Diamonds: Nunavut and Northwest Territories: Mining and Exploration*
- *Explore for More* career resources
- CD-ROMS: *Diamonds from the Tundra: The EKATI Story* and *Diavik: Constructing the Legacy*
- Slideshow presentation with photographs of diamonds, geological field methods, glacial landscapes and diamond mines
- Resource files: digital versions of data and fact sheets used in student activities