The Miller Museum of Geology, located in the Department of Geological Sciences at Queen’s University, has been offering curriculum-linked education programs for school groups visiting the museum since 1988.

**Program Duration:** 40 minute instructor-led hands-on classroom program followed by 20 minutes of self-guided discovery time in the mineral and fossil galleries (1 hour total program time at the museum).

**Cost:** $70/group (maximum 35/group including adults) (Discount $60/group for two programs booked on the same day)

**Booking:** Contact the Museum Curator.
Tel. 613.533.6767   Email MillerMuseum@queensu.ca
Check the website at queensu.ca/museum/geol/ for available dates.

**Souvenir Sales:** With prior approval from the teacher, students can purchase very nice mineral and fossil souvenirs for very reasonable prices while at the museum. Phone or email for details.

**Mineral Identification Program:**
- students share a kit of real minerals to do hands-on hardness, streak, lustre and other diagnostics on real mineral samples (maximum 3 students/kit of minerals)
- introductory interactive talk focuses on uses of mineral products in everyday life such as metals, gemstones, building materials and other uses
- students handle gold, copper and iron ore samples as well as various crystals and mineral samples.
- coupled with the opportunity to see beautiful minerals, crystals, rocks and fossils on display in the museum galleries, this hands-on program functions well as either an introduction to the topic or a culminating wrap-up activity.

**Introduction to Geology Program:**
- an interactive 40 minute overview of geology, the study of the Earth, illustrated with numerous touch samples.
- topics include: the origin of the Earth 4.6 billion years ago; igneous, sedimentary and metamorphic rocks and their formation; minerals and their uses in everyday life; and fossils.
- students get to pass around and discuss samples of meteorites, examples from each different group of rocks, various ores and crystals, and fossils including a real dinosaur bone from 70 million years ago!

**Meteorite Program:**
- an interactive 40 minute program about the oldest rocks in our solar system: meteorites!
- topics include: the origin of the Earth 4.6 billion years ago as a part of the solar system; the fall to the Earth; and meteorite impact crater formation.
- students each use magnets, microscopes and other experimental equipment to search for their own potential "micrometeorites."
- couple this program with a separate hour-long visit to the Queen’s Observatory to learn about their telescope and to observe the sun (weather and availability permitting, with separate fee applicable)
- bring 2 classes on the same bus to save costs and we can run concurrent programs for an entire morning or afternoon of learning!

**Other Programs Available:**
- the museum offers a variety of other programs to support teaching at all levels including: Dinosaurs (kindergarten to grade 3 level), Changes in Life and the Earth Through Time (grade 7&8 and grade 11 biology level), and others
- contact the museum, or visit our website for more info. queensu.ca/geol/museum/