

Miller Museum of Geology, Queen's University
Educational Tour Programs

The Miller Museum offers many hands-on curriculum-linked educational programs that are presented in the museum classroom for school groups of up to 30 participants. In a typical year, 100 programs are presented to school groups, summer camps, youth groups, and any other group interested in the science of geology.

The museum also participates actively in the Beyond Classrooms program

4/ Introduction to Geology (all age/grade levels)

Learn about geology - the study of the Earth, during this engaging introduction to the various aspects of the science. An interactive overview of rocks, minerals, fossils and Earth processes illustrated with many touch samples (including a meteorite, a dinosaur bone, examples of igneous, sedimentary and metamorphic rocks and mineral ores) that are circulated around the group. Program delivery takes approximately 40 minutes, followed by 15-20 minutes of exploration time in the museum galleries featuring a dinosaur exhibit, and recently updated displays of minerals and rocks.

5/ The Earth Through Time (gr 12 biology curriculum links)

While seated along an 8 metre-long geological time scale graphic, students hear a 50 minute lecture about the major changes in the Earth's geosphere, atmosphere, biosphere and hydrosphere since its formation. The talk is illustrated with rocks and fossils spanning the entire 4.6 billion years of Earth history including meteorites, the oldest known terrestrial rocks, the appearance of life and its progression from exclusively single-celled organisms in the beginning to the complex life of the present day.

6/ Geology of the Kingston Area: 1.1 Billion Years of Earth History (powerpoint-based lecture)

Himalya-like mountains, tropical oceans and a 2 kilometre thick covering of glacial ice: these are some of the amazing events recorded in the rocks of the Kingston area over the past 1.1 billion years! The curator of the Miller Museum of Geology in the Department of Geological Sciences at Queen's University, will give a talk on the rocks, minerals and fossils of the region and explain what they show us about its fascinating geological past.

Programs are one hour long and cost \$