



BOOK A WORKSHOP!

Bring **EARTH SCIENCE** to life
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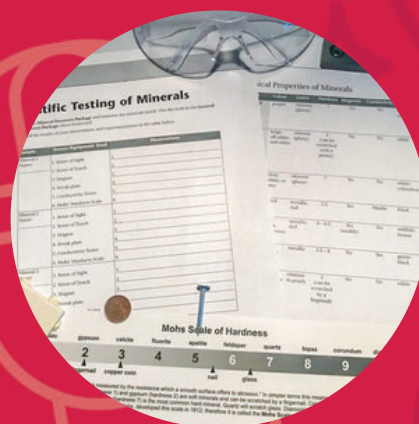
**CIM Northern Gateway
ICM Branch**

Celebrate North Bay Mining Week!

Virtual Workshops by Mining Matters

Minerals

Students will learn the difference between rocks and minerals, conduct tests geologists use to examine the physical characteristics of minerals, use their observations to identify mystery minerals and gain an understanding of how minerals are used in daily life. Each student will receive an individual kit containing mineral testing equipment and a mystery mineral sample.



Mining

Explore the mining cycle, compare and contrast surface and underground mines, discuss the costs and benefits of mining, and learn about responsibilities to the environment and communities. Each student will receive a cookie mine, satellite image of a landscape, play money, mining tools, an environmental permit and a rock sample.



Rocks

Explore the rock cycle, gain an understanding of how each of the three rock groups are formed through a series of demonstrations, discover some of the clues to look for to help determine which of the rock group a rock is from, and then use those clues to identify a mystery rock. Each student will receive a mystery rock sample, magnifying glass and materials to create a model of one of the three rock groups.



What on Earth is in your stuff?

Examine maps to locate where rocks, minerals and metals are found in Canada. Learn that everything in our world that isn't grown is made using non-renewable resources that are extracted from the Earth. Work in teams to develop and present a short story that connects rocks, minerals, and metals to your everyday life. Discuss finite resources and the importance of conservation by reducing, reusing, recycling and being a responsible consumer. Each student will receive materials to make the card game "What's Yours is Mined", copper wire to create a metal sculpture, and mini samples of minerals used in everyday life.



Curriculum Connections

Workshops address curriculum expectations for the Grade 4 Topic Rocks, Minerals and Erosion from the Earth and Space Systems Strand and include local and regional perspectives by showcasing samples that are sourced in Canada.