

In This Issue...

- Welcome Back!
- In-Person Workshops
- Fall Pro-D Field Trips
- Fall Pro-D Workshops
- Roundup 2025
- FREE MineralsEd Resources

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Welcome Back to School!

School is back in session, and here at MineralsEd we're ready to rock! We hope you had a *gneiss* summer and are feeling recharged for the school year ahead! As the leaves start to drop, so is MineralsEd - dropping a host of exciting opportunities for the new fall term! We've polished our teacher resource units and our inventory of rocks and minerals have been replenished - ready to help you uncover a wealth of learning in the classroom.

This 2024 - 2025 school year brings a lineup of exciting programming. Get ready to dig deep this Provincial Professional Development Day in October, as we launch our new GeoTour Field Trip to explore the fascinating geology of Terrace. And by popular demand, we're bringing back our Natural Resources Harbour Cruise! Full steam ahead!

Explore this Fall edition of [MineralsEd Connections](#) to learn more and prepare for the year ahead. Don't forget to stay in the loop by signing up for our [Newsletter](#) for monthly e-updates!

Best wishes,
The MineralsEd Team

Junior Geologist Workshop

We are proud to announce that MineralsEd is reintroducing our in-person Junior Geologist program, rekindling the joy of hands-on learning and exploration. We will be maintaining our virtual options so that we can provide learning opportunities to classrooms all across BC and Canada!

In-Person Junior Geologist Workshop (3-Hours)

In this engaging and exploratory half-day workshop, students will be introduced to the rock cycle and learn how the physical properties of rocks tell how they formed. They will learn about rocks and minerals as non-renewable natural resources, and how the properties of rocks and minerals determine how they are used. All materials and tools required are provided by the presenter.

BOOK NOW - EARLY BIRD SPECIAL
FROM NOW UNTIL SEPTEMBER 30, 2024 BOOK OUR VIRTUAL/
IN-PERSON JUNIOR GEOLOGIST WORKSHOP AND GET **25% OFF!**
<https://bit.ly/junior-geo>

By Teachers, For Teachers

MineralsEd Fall Pro-D Day Field Trips: October 25, 2024

MineralsEd is pleased to offer an array of in-person workshops and field trips for for the **Provincial Pro-D Day** on **Friday, October 25, 2024** (page 2-3).

Natural Resources in Vancouver Harbour Cruise - Downtown Vancouver

Join **MineralsEd** and members of the **North Shore Waterfront Industrial Association (NSWIA)** for a boat tour of **Vancouver Harbour** to learn about Canada's natural resources and their role in the Canadian and Global economies. Home to **29 major terminals**, the **Port of Vancouver** is able to handle the most diversified range of cargo: mineral concentrates, sulphur by-product, potash, wood products, grains and coal produced in BC and other parts of Canada are exported in bulk to markets around the world. As the country's gateway to over 170 trading economies, the port handles approximately **\$305 billion in goods**. They provide the world with raw materials and drive our economy. This half-day cruise will loop around Burrard Inlet for a close look at many of the terminal operations. Terminal representatives will be on board to share their knowledge and expertise about their operation and the natural resources they handle. Register before **September 30th** to get the **Early Bird Discount!**

Registration (Early Bird: \$40 | Regular: \$75):
<https://HC-Oct-2024.eventbrite.ca>



GeoTour Field Trip - Terrace, BC

Join **MineralsEd** in an exciting collaboration with **Gordon Weary of Coast Mountain College** to offer a unique field-trip for educators in the Skeena Region.

Terrace is within the great Coast Range where the Skeena River flowing west to the Pacific crosses the wide north-south Kitsumkalum-Kitimat Valley. This region is underlain by diverse geological material and is continually shaped by earth processes. Terrace like other communities, is dependant on the area for food, water, materials and energy. This GeoTour Field Trip will explore how the community "lives of the land". What material underlie this landscape and how does it affect us? How can the local landscape shape human use of the area? What local resources do we depend on?

Teachers will have an opportunity to learn about the area's geological history, hazards and have the change to rockhound for rock samples!

Registration (Early Bird: \$25 | Regular: \$40):
<https://Terrace-Geotour-2024.eventbrite.ca>



GEOSCIENTIST IN THE CLASSROOM

Ignite curiosity in the classroom with a direct link to real-world geoscience expertise! Register for our classroom sessions where passionate geoscientists virtually or in-person engage with students on a range of topics: Rocks and Minerals, the Rock Cycle, Geology of BC, Fossils, Volcanoes and Earthquakes, Geoscience Careers, and more!

Sign-up: <https://bit.ly/geoscience-classroom>

MineralsEd Fall Pro-D Day Events: October 25, 2024

MineralsEd will be offering a variety of in-person workshops and field trips for the **Provincial Pro-D Day** on **Friday, October 25, 2024**. Workshops will be taking place across the Lower Mainland and Sea-to-Sky. Check out our fall term offerings below!

Each workshop includes a teacher's binder with background information and classroom activities, support materials (USB, posters, activity books, bookmarks, and more), and rock and mineral samples. You can browse both the MineralsEd workshops here: <https://bit.ly/MEResourceUnits>

Intermediate Integrated Resource Unit on Mining

This Resource Unit is written with a thematic approach to mining and Earth Science, designed for the grade 4 - 6 curriculum and integrating cross-curricular learning. The **MineralsEd's Rock Star 101** presentation will introduce participants to **mining and geology in B.C, rocks and minerals**, and the **rock cycle**. Teachers will have the opportunity to get hands-on by exploring their **MineralsEd Rocks and Minerals Kit** and practicing their rock identification. Afterward, participants will review lesson plans and activities, whose topics range from: the **history and future of mining, mining and the environment, uses of rocks and minerals, mining careers**, and more!

Presented by **MineralsEd** Partner-Teachers Andi Eisler and MineralsEd Staff.

Registration: <https://bcsccta.com/bcsccta-catalyst-conference/>

Earth Science Resource Unit

This Resource Unit provides a collection of engaging and instructive activities and demonstrations to help introduce the **fundamentals of geology, plate tectonics**, and **history of the Earth** through creative learning activities. Units in the binder address essential topics like **rocks and minerals**, the **rock cycle**, **structure of the Earth**, **volcanoes and earthquakes**, plus unique topics like **famous rocks** and **BC geology**. Teachers will be treated to various demonstrations and get hands-on with their **MineralsEd Rocks and Minerals Kit**, enabling immediate classroom integration. This comprehensive unit can be applied to both intermediate and secondary grade levels.

Presented by **MineralsEd** Partner-Teacher Kerry Lockwood

Registration(\$50): <https://bit.ly/earthsci-oct-2024>

EARLY INDIGENOUS PEOPLE'S USE OF ROCKS AND MINERALS WORKSHOP

MineralsEd is delighted to offer this workshop for the October Pro-D Day! This Resource Unit is composed of six stations that explore different methods of how early indigenous people utilized rocks and minerals. Educators can practice flaking their own stone tools, painting with mineral pigments, and carve soap!

Developed as an inquiry-based student challenge to accompany the B.C. Intermediate-level curriculum, this resource is multi-disciplinary, enabling teachers to incorporate core and curricular competencies from Science, Social Studies, English Language Arts, Arts Education, and Applied Design, Skills and Technologies (ADST). Presented by MineralsEd Partner-Teacher Dale Maingot.

Location: Port Coquitlam

Registration (\$60): <https://EIRUM-Fall-2024.eventbrite.ca>

AME Roundup 2025: Securing our Future (January 20 -22)

In partnership with the [Association for Mineral Exploration \(AME\)](#) and [Teck Resources Ltd.](#), MineralsEd is thrilled to announce that we will once again be attending [AME Roundup in 2025!](#) As the largest annual mineral exploration conference in western Canada, [AME Roundup](#) is a must-attend event for anyone passionate about the industry.

Last year, our programs at Roundup were an overwhelming success, selling out in record time. To ensure you don't miss out on this year's offerings, we highly recommend signing up early and securing your spot! Stay tuned for more details.

Secondary Student Career Exploration Day - Monday, January 20

Get ready for an unforgettable experience! This exceptional program gives high school students an insider's view of the exciting and diverse career paths in the mining and mineral exploration industry. Students will have the rare chance to connect with a panel of dynamic early-career professionals, who will share their personal stories and expert advice to help guide your own journey.

Tailored for students passionate about Science, Geology, EarthScience, Environmental Science, Geography, and Trades or anyone curious about exploring new career horizons.

Mark your calendars now! Last year's event sold out fast, and you won't want to miss this!

Registration Opens Early October

Teachers' Professional Development Day - Tuesday, January 21

This one-of-a-kind event offers BC educators a golden opportunity to dive deep into the captivating world of the mineral exploration industry, uncovering the vast career possibilities within this vital sector.

Last year, we highlighted the multidisciplinary value of the industry, with speakers showcasing the intersection of science, technology, engineering, art, and math. This year, here's a sneak peek: Think green, think clean, and imagine the pivotal role minerals play in a world transitioning to a sustainable future.

Stay tuned for our e-updates to discover the exciting theme we have in store for this year!

Registration Opens Early October

FREE MineralsEd Resources

Visit the [MineralsEd](#) website to view all the free resources available!

- Order a [FREE MineralsEd Sample Pack](#) with posters, activity books, bookmarks, and more!
- Request one of our free online quizzes for your classroom: [Junior Geologist Quiz](#), or [Rocks and Dirt Video & Quiz](#).
- Explore mineral exploration and mining throughout the province by visiting the [MineralsEd](#) interactive [B.C. Mines Map](#) or try out our [Virtual Mining Scavenger Hunts](#).
- View our [YouTube](#) channel for a collection of our geoscience videos.

Looking for something else? Try searching our [Virtual Library](#) with hundreds of resources for your Earth Science units.

We have resources for all things geoscience: Rocks and Minerals, the Rock Cycle, Mining, Geology of B.C., Environmental Science, Climate Change, Layers of the Earth, Plate Tectonics, Earthquakes, Volcanoes, Mars, Fossils, Careers, and more!

