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## Happy New Year!

Welcome back! It's a new year with new beginnings. As the rock star David Bowie once said, "I don't know where I'm going from here, but I promise it won't be boring". At *MineralsEd*, we always have something exciting planned. In this Winter edition of *MineralsEd Connections* you will find details on our AME Roundup events (page 2), *MineralsEd* virtual workshops and resources (page 3), and field trip ideas (page 4). There is something for everyone!

We promise to help bring life to your Earth Science, mineral resource, and mining units because at *MineralsEd* we know that "Rocks Rock"!

Keep an eye out for our monthly e-updates and follow us on social media for updates on all our programs and our 2022 Pro-D Day workshops.



2021-2022 Rockhound artwork by grade 4/5 student from École Rochester Elementary School in Coquitlam.

## Thank You to Bob Dickinson

*MineralsEd* would like to send a special thank you to *Mr. Bob Dickinson* for his years of service as the Chair on our Board of Trustees. Since 2004, Mr. Dickinson has supported *MineralsEd* by helping to secure the financial future of our programs. He recognizes the importance of providing teachers and students with accurate and balanced mining and mineral resource information. Our mission would not be possible without his dedication. We wish him well on his next adventure and send him off with a heartfelt thank you from all of us at *MineralsEd*!

**By Teachers, For Teachers**

## MineralsEd AME Roundup Events (January 31-February 3, 2022)

In partnership with the *Association for Mineral Exploration (AME)* and *Teck Resources Ltd*, *MineralsEd* is happy to announce that we will be attending *AME Roundup 2022* in person! *AME Roundup* is the largest annual mining and mineral exploration conference in western Canada. This year, our programs will include *Teachers' Pro-D Day*, *Secondary Student Career Exploration Day*, and *Elementary Rockhounds*.



### Teachers' Pro-D Day (January 31)

*MineralsEd* invites teachers to join us on **Monday, January 31** for our *Teachers' Pro-D Day* program. This unique event provides B.C. teachers with an opportunity to become more familiar with the minerals industry, new technologies, and the enormous breadth of careers in this vital resource sector. The highlight of the program is a panel of industry guest speakers who will shed light on this year's theme of *Innovation and Technology*.

This year's guest speakers will present on *Earth X-Ray for Low Impact Mining*, *3D Mine Modeling and Virtual Reality*, *Artificial Intelligence and Machine Learning*, and *Carbon Capture in Ultramafic Mine Tailings*. Lastly, our keynote speaker *Lana Eagle* will be speaking on *Truth and Reconciliation in the Mining and Mineral Exploration Industry*.

Register here: <https://bit.ly/3mE0tto>



### Secondary Student Career Exploration Day (February 1)

Nominate a grade 10-12 student to join us for the *Secondary Student Career Exploration Day* on **Tuesday, February 1**. This program exposes high school students to different career paths available to them within the mining and mineral exploration industry. Students will connect with a panel of early-career professionals to hear their stories and experiences as they navigated post-secondary pathways. This year, we will have a Geologist, Environmental Geologist/Hydrogeologist, Mining Engineer, and an Indigenous and Community relations personal joining us.

This event is suitable for high school students with a special interest in Science, Geology, Earth Science, Environmental Science, and Geography; or for those who are interested in exploring different career pathways.

Register your student(s) here: <https://bit.ly/3bGeKzr>

### Elementary Rockhounds (February 2)

This year's Rockhounds are grade 4/5 students from *École Rochester Elementary School* in Coquitlam. They will be joining us for a day full of activities on **Wednesday, February 2**. View their artwork here: <https://flic.kr/s/aHBqjzvt59>

Email us at [info@mineralsed.ca](mailto:info@mineralsed.ca) to reserve your classes spot in next year's program!



## MineralsEd Virtual Classroom Workshops

*MineralsEd* has adapted its in-person workshops to a virtual platform so that we can continue to offer hands-on experiential learning opportunities to classrooms in B.C. Book a workshop with us today! Find more information about our workshop options below.

### Virtual Junior Geologist Workshop

In this 90-minute virtual workshop, *MineralsEd* Partner-Teachers will guide your students through activities that explore the world of rocks and minerals! Before the workshop, a package of rocks and mineral kits will be delivered to your classroom and each student will have their own set of materials for safe hands-on learning. Topics include the roles of minerals in everyday life, mineral resources in B.C., the rock cycle, and mineral identification. Students will also be able to practice making observations, predictions, and experiments - all part of the scientific process!

This workshop is perfect for intermediate grade classes learning about Earth Science, rocks and mineral resources, and mining.

**Book your Virtual Junior Geologist Workshop here:**  
<https://bit.ly/38sbndX>

### Virtual Geologist in the Classroom Guest Speaker

In this **FREE** workshop, *MineralsEd* Volunteer Geologists will virtually visit your classroom to present on a geoscience topic of your choice. Choose any subject from mining, rocks and minerals, climate change, plate tectonics, Mars, careers, and more. This workshop is a great opportunity to connect your students with a real-life geologist. At the end of each workshop, students can make their own inquiries in a Q&A session with your geologist. Our volunteers have a diverse set of knowledge and experiences. Their passion and expertise will inspire your class to learn about Earth Sciences!

This workshop can be adapted for any grade level and classes studying geoscience, science, social studies, or career education.

**Book your Virtual Geologist in the Classroom Guest Speaker here:** <https://bit.ly/38e5ssl>



## 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** for Earth Science resources. There is something for every grade level and geoscience topic!



## May B.C. Mining Month

The entire month of May is **B.C. Mining Month**! You can find celebrations throughout the province all month long. Every year, **MineralsEd** teams up with mining and mineral exploration groups to bring the celebration to you.



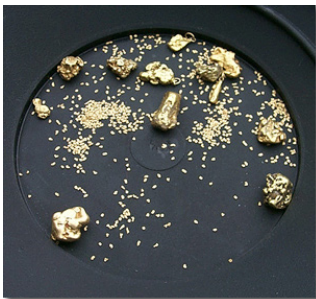
This May, we hope to return to the Creekside Community Recreation Centre for our annual **Community Fair**. Stay tuned for developments and mark B.C. Mining Month down in your calendars!

## Field Trips

Looking for fun ways for your class to expand your Earth Science units? Consider taking an in-person or virtual field trip to one of the many venues throughout B.C! A full list of **Field Trip Destinations** can be found on our website. We recommend the following:

- **Britannia Mine Museum** – Learn about the mining legacy of Britannia Mine and mining and the environment. Pan for gold, explore old mining practices and current uses of minerals, take a picture with the GIANT haul truck, tour the underground tunnels, and experience the live-action show BOOM!
- **Pacific Museum of Earth** - Explore the wonders of our dynamic Earth right from the comfort of your classroom! Virtual guided and self-guided tours will take you through the history of life on Earth, Earth's treasures, and natural disasters.
- **Port of Vancouver** – Free virtual classroom workshops for grades 4-6 will teach students how their lives are connected to the Port as Canada's western gateway to over 170 trading countries!

Travel subsidies are available from **MineralsEd** for class field trips to geoscience or mining destinations. Request your field trip travel subsidy here: <https://bit.ly/3zmWOEe>



Can't take your students on a field trip? No problem. **Yukon Dan** (world champion gold panner) can bring his outdoor **Gold Panning Workshop** to your school! Students will have the chance to pan for gold and learn about the Canadian Gold Rushes. **Book your Yukon Dan Gold Panning Workshop here:** <https://bit.ly/3ypH8QR>

Add **CIMF's Mineral Cards** to your educational resources. These FREE cards combine great graphics and mineral information. A set of these cards are included in **MineralsEd** teacher resource packages! Find your favourite mineral's card here: <http://www.cmmf72.org/en/mineral-card-project>



**Want to collaborate with MineralsEd for a special event?**

**Contact us at [info@mineralsed.ca](mailto:info@mineralsed.ca)!**

