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## Happy New Year!

Welcome back to school! We hope your holidays were healthy and restful and that you are ready to jump back into lessons!

In this Winter edition of *MineralsEd Connections*, you will find information about our upcoming programs for the virtual *Mineral Exploration Remote Roundup 2021* (pg. 2), our upcoming virtual offerings for teacher workshops (pg. 2), and virtual resources for your classroom (pg. 3). *MineralsEd* is continuing to adapt our programs and workshops into the virtual sphere, so keep an eye on our future email updates to stay up to date on our newest offerings.

## Welcome to Allegra Whistler!

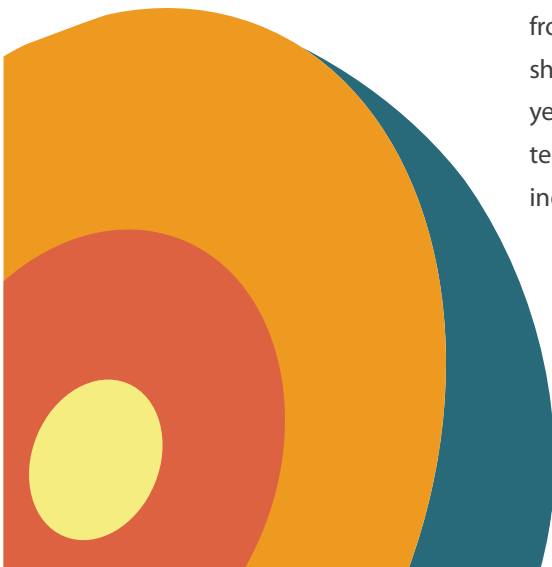
*MineralsEd* is welcoming a new temporary Program Coordinator, *Allegra Whistler*, to help keep things running while *Sarah Jackson-Brown* goes on maternity leave. Allegra is recent graduate from the Earth Science program at SFU who has volunteered with MineralsEd in the past and has extensive experience with various other science outreach organizations here in BC. She is excited to share her experience and enthusiasm with MineralsEd. We wish Sarah the best of luck with her new little one and are excited to have Allegra on board!

## MineralsEd at Remote Roundup 2021

*Mineral Exploration Roundup* is an annual conference organized by the *Association for Mineral Exploration (AME)*. *Roundup* brings together industry professionals from all aspects of mineral exploration and mining to present new technologies, showcase new discoveries, and secure investment for further work. For the past 17 years *MineralsEd* has partnered with *AME* to offer our educational programs for teachers and students to introduce them to the modern, multi-faceted minerals industry.



By teachers, for teachers.



## MineralsEd Upcoming Programs at Remote Roundup 2021

### Student Career Exploration Program

January 18, 2021

Grade 11 and 12 students from across the province are invited to join us for a series of virtual talks during **Roundup 2021** to explore the breadth of careers within the mineral resource industry. Early career professionals from a wide variety of fields in the industry tell their educational and career path stories. Students will then have access to the virtual trade show at Remote Roundup 2021 where they can speak with representatives from the exploration companies, mining companies, and many technical supply and service businesses that are part of the mineral development sector. Partner-teacher **Bruce Kiloh** facilitates the program. Students must be nominated by a teacher to attend, registration ends January 7th.

Information and nomination form: <https://bit.ly/SSCEP>.

### Elementary Roundup Rockhounds

*MineralsEd* is excited to also host intermediate students for a fun-filled day of learning at **Roundup**. Our guests will be from **Ecole Inman Elementary School** (Burnaby) and **Katzie Elementary School** (Surrey).

These **Roundup Rockhounds** have been working on Earth Science and mining units this fall in preparation to attend Roundup. Their class projects will be on display at MineralsEd's virtual booth for the duration of the conference for conference-goers to view and enjoy. The students will attend the conference virtually on January 20th from their classrooms to explore the trade show, meet mining professionals, and learn about rocks, minerals, exploration, and mining. If you would like your class to participate in the future, please email [info@mineralsed.ca](mailto:info@mineralsed.ca) to reserve a spot for next year.

## MineralsEd Pro-D Workshops and Events

*MineralsEd* successfully presented our first **virtual** Grade 4/5 Integrated Resource Unit on Mining workshop for the October Provincial Pro-D day with great success! For the first time, teachers from all across the province were able to take part in this workshop regardless of their location. We are busy preparing to present more Grade 4/5 Pro-D workshops in the new year, and are working on adapting our K-3 workshop into a virtual offering. Keep an eye on our February email update for more details!

### Teacher Feedback:

**How did you feel about the workshop being presented virtually instead of in person?**

*I thought it was great, as I would not have been able to attend otherwise, and it saved people from driving on icy roads. - J. Lahey, Bouchie Lake Elementary, Quesnel*

*It was an amazing opportunity because I live in Kelowna. It was well presented, and the pace was good. - S. Keating, Dorothea Walker Elementary, Kelowna*

*For a virtual presentation I thought it was great! I liked the hands on parts- definitely more engaging. - M. Salle, Pacific Way Elementary, Kamloops*

For more information about the resource units, including a list of the resource kit contents, visit our website: <http://bit.ly/2ABNzBF>. To request a virtual workshop for your district, contact us at [info@mineralsed.ca](mailto:info@mineralsed.ca).

### K - Gr.3 Integrated Resource Unit: Kids & Rocks

Fun, hands-on activities and lessons build literacy skills while engaging children in the scientific process of enquiry and teaching new content in science, socials, math, art, and other areas. *MineralsEd* partner-teacher Ann Brace introduces this cross-curricular unit built around the theme of rocks. You will be ready to use this resource the very next day.

### Grade 4/5 Integrated Resource Unit on Mining

Students compare mining in the past, present and future, learn about mining in BC, the rock cycle, the mine development process, environmental impacts, mineral uses, and careers. *MineralsEd* partner-teacher Andrea Eisler introduces and shares her ideas for teaching this cross-curricular unit (socials, science, math, language arts, etc.).

## BC Mining Month, May 2021

*MineralsEd* is gearing up for another exciting Mining Month in May, 2021. It was with great disappointment that *MineralsEd* and the Canadian Mineral Processors had to cancel the 2020 Modern Mining in the classroom program. We are happy to announce that we are working hard on adapting this program to a virtual offering for this year's Mining Month in May. Keep your eye on our monthly updates to learn about this exciting adaptation and for news on our other Mining Month activities.



## For Your Class!

### Virtual Junior Geologist Workshop

*MineralsEd* partner-teachers **Wanda Pickell** and **Andrea Eisler** deliver this engaging workshop for intermediate grade levels. Choose from one of two 1.5 hour hands-on virtual workshops that cover the essentials of Earth science and mineral resources. Using a representative collection of rocks and mineral samples that are sent directly to your classroom, students will learn about the **rock cycle**, **how rocks form**, and **how to identify them**. They will explore different **minerals** as the ingredients in rocks, testing their physical properties in order to identify them. They will be introduced to how we use rocks and minerals as **natural resources**, and mining and mineral resources in BC.

All necessary materials are mailed out in advance of the workshop for students to follow along with during an interactive presentation by one of our expert partner-teachers. This workshop is ideal for teachers in remote and northern communities since all it needs is an internet connection!

This workshop supports intermediate science and socials curriculum and is a great way to jazz up your unit this spring! Book your virtual workshop: <https://bit.ly/virtualJrGeo>.

### Virtual Geologist in the Classroom

Geologists and geoscientists from the mineral exploration and mining industry are available to virtually visit your classroom to present on rocks and minerals, plate tectonics, mineral exploration, and careers in the mining industry. Invite an industry professional to share their knowledge and passion for these subjects. Availability subject to work schedules. Request a presentation now: <https://bit.ly/virtualGitC>.

### Virtual Resources

#### Virtual Library

Our website has various resources to help teachers engage their students. With activities and teaching tools in areas such as Earth Science, Mineral Resources, Mining, Environment & Sustainability, and Career Education,

our Virtual Library has helped many teachers bring these exciting subjects to life for their students. <https://bit.ly/MinEdLibrary>.

#### Interactive BC Mines Map

Explore the currently operating mining operations across BC. <https://bit.ly/MinesMap>

#### Jr. Geologist Introduction Tutorial & Quiz

This fun and interactive quiz will help students to better understand the three main rock types, the rock cycle, and minerals in our everyday life. <https://bit.ly/JrGeoQuiz>.

#### Rocks and Dirt Video & Quiz

Explore the life cycle of a mine from initial discovery all the way through reclamation. <https://bit.ly/RocksDirt>.

#### Mining Month Video Series

Learn about how geology and mining effect the Vancouver area in this series of videos and accompanying quizzes. Produced in partnership with AMEBC, BelowBC, and The Port of Vancouver. <https://bit.ly/MMvideoseris>.

## Virtual Field Trips and More!

### Britannia Mine Museum

**Britannia Mine Museum** is a STEM Education Partner, providing unique, entertaining and memorable curriculum-based educational experiences that consider the relevance and impact of resource management and geologic exploration. Students of all ages will have a safe, enjoyable and engaging experience. Enhanced sanitation, smaller groups and social distancing measures are in place to keep everyone safe. We will also be offering sessions for homeschool groups/bubbles to be able to come and visit us and enhance their learning. To book or for up to date information visit our website: <https://www.britanniainemuseum.ca/pages/school-field-trips>



### Pacific Museum of Earth

Looking for a fun way for your class to explore the wonders of our dynamic Earth, right from the comfort of your classroom? The **Pacific Museum of Earth** at UBC is offering virtual guided and self-guided tours of the museum for all ages that will take you through the history of life on Earth, Earth's treasures, and natural disasters. To book a guided tour for your class or learn more about the virtual resources the PME has to offer, visit their website: <https://pme.ubc.ca/learn/youth/virtual-museum-tour/>



### H.R. MacMillan Space Centre

Outer space and the rocks beneath our feet have a lot more in common than you might think! The **H.R. MacMillan Space Centre** is offering redeveloped virtual school programming that explores space, the history of the universe, the formation of Earth and more! The new virtual programming includes access to classroom-ready learning playlists and a live online lesson with Space Centre staff. For more information, and to book your virtual program, visit their website: <https://www.spacecentre.ca/>



### Follow us on Social Media!

**MineralsEd** is on [Twitter](#), [Instagram](#), [Facebook](#), [Flickr](#), and [Youtube](#). Follow our social media accounts to stay up to date on events, workshops, professional development opportunities, student opportunities, educational materials, and fun Earth science and geology related posts! Our Flickr gallery features photos from our events and our Youtube channel features a collection of educational videos that will support your classroom teaching!



## TRAVEL SUBSIDIES

Travel subsidies are still available from **MineralsEd** for geoscience and mining related class field trips. Apply at: <http://bit.ly/2BsJHGW>.



### MineralsEd Online Store

Visit the MineralsEd [website](#) to view all of the resources available for purchase or to order your free sample pack of MineralsEd materials!

You can also visit our Virtual Library for hundreds of online resources for geology, mineral resources and mining content that will support your teaching for all grade levels.

