

# MineralsEd: Highland Valley Copper Mine Tour

Pro-D Field Trip, April 23, 2018

## Highland Valley Copper Mine

KT TA teachers are invited to join MineralsEd partner-teacher, Eric Rustand from NorKam Secondary, for a boots on the ground tour of **Highland Valley Copper Mine (HVC)** for teachers' professional development on April 23. **HVC** is a world-class, open-pit copper-molybdenum mine near Logan Lake in a valley where mining has been ongoing for over 100 years. **HVC** is the largest mine in BC and is owned and operated by Teck Resources. If you are teaching a mining unit, Earth Science, Geology, Geography or are a Career Educator, this field trip is an excellent opportunity to learn about the mining process and economic factors that turn an ore deposit into a mine.

**HVC** is a modern operation that uses a fleet of huge equipment and traditional open pit mining methods to deliver some 130,000 tonnes of ore to the mill each day. According to Teck, HVC produces approximately 1% of the world's copper concentrate and 1.5% of the world's molybdenum.

The mine's **1,300** employees come mostly from Kamloops and the surrounding area. The workforce is diverse and includes equipment operators, all types of trades, scientists, engineers, and technologists as well as accounting, HR, communications and logistics specialists.

The tour will include pit operations, the mill, and reclamation activities. It will be a great opportunity to learn about the mining process from people who work in operations.

### Details:

Bus transportation from Kamloops is provided.

**Depart:** NorKam Secondary , 730 12th Street, Kamloops **8:00 am**

**Return:** NorKam Secondary **3:30pm**

Bring your own snacks, water and lunch. The tour is largely outdoors.

**Dress prepared for spring (cool, wet) weather.**

**Register via Eventbrite:** <https://www.eventbrite.ca/e/highland-valley-copper-pro-d-field-trip-for-teachers-tickets-44194738653>

**Early Registration Deadline: April 13, 2018**

Numbers of registrations at this time will determine if the tour will go ahead. Registration will stay open until April 18 pending available spaces.

**Cost: \$25.00**



### Did you know....?

*Humans have made things from copper for 10,000 years.*

*Pure copper conducts electricity without making heat, thus it use for electrical wire in every modern building, household appliances and electronics.*

*Copper metal and zinc metal are combined to create the metal alloy, brass. The copper in brass kills germs making brass is a great material for hospitals and public places.*

