

- 2 hour min. of programming
- Volcanic Origins is also available on its own from 9am to 10am
- Program start times 9:45am or 10:15am
- 30 minute Lunch program on site must be booked if required

<sup>†</sup> Grades 5 and up can choose more.

SESSIONS	DESCRIPTION	BIG IDEAS	TOPIC
<p>UNDERGROUND</p> <p><b>COPPER QUEST</b></p>	<p><b>GRADE K-12</b></p> <p>Copper has been used for over 10,000 years. Increasing demand in the early 1900s led to the development of mines such as at Britannia. For Britannia, the initial discovery was only the beginning of its decades-long search for copper deposits, as before you can mine it, you first have to find it. But there is still copper in Britannia. Could it once again become a source of copper to meet our ever growing demand?</p>	<p><b>60 MINS</b></p> <p><b>Gr 4:</b> The pursuit of valuable natural resources has played a key role in changing the land, people, and communities of Canada. <b>Gr 5:</b> Natural resources continue to shape the economy and identity of different regions of Canada.</p>	<p><b>Natural resources; innovation</b></p>
<p>UNDERGROUND</p> <p><b>VOLCANIC ORIGINS</b></p>	<p><b>GRADE 7-12+</b></p> <p>A walking tour of the tunnel to explore part of Britannia's geology up close. This program also provides an introduction to how the mineral deposits mined at Britannia and the mountains in which they were found in, were formed.</p>	<p><b>60 MINS</b></p> <p><b>Gr 5 &amp; 6:</b> Natural resources continue to shape the economy and identity of different regions of Canada. <b>Gr 9:</b> The physical environment influences the nature of political, social, and economic change.</p>	<p><b>Earth science</b></p>
<p>LAB SESSION</p> <p><b>MINERAL DETECTIVES</b></p>	<p><b>GRADE K-5</b></p> <p>Get hands-on with rocks and minerals. Explore a selection of rocks and minerals from our learning collection to discover some of the fascinating characteristics of both, the stories rocks can tell us about the planet's past, or even find your own favorite.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5:</b> Earth materials change as they move through the rock cycle and can be used as natural resources.</p>	<p><b>Natural resources; Earth science</b></p>
<p>LAB SESSION</p> <p><b>LEGACIES</b></p>	<p><b>GRADE 5-12+</b></p> <p>Britannia went from a major mine to a major environmental issue. It then went on to become an example of how a mine site can be successfully remediated. This program introduces the pollution issue faced at Britannia - Acid Mine Drainage - as well as how it can be dealt with.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5:</b> Natural resources continue to shape the economy and identity of different regions of Canada. <b>Gr 5:</b> Earth materials change as they move through the rock cycle and can be used as natural resources. <b>Gr 6:</b> Economic self-interest can be a significant cause of conflict among peoples and governments.</p>	<p><b>Environmental; Innovation; Natural resources</b></p>
<p>LAB SESSION</p> <p><b>INDICATORS</b></p>	<p><b>GRADE 5-9</b></p> <p>Like our bodies, plants need certain metals to grow and be healthy. Understanding how different plants behave in different environments can help find valuable mineral deposits or successfully restore a damaged environment. From the Squamish Nation's use of plants along Howe Sound, to cutting edge innovative technology, this program explores how enhanced knowledge of plants helps us move towards sustainable practices.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5:</b> Science: Multicellular organisms have organ systems that enable them to survive and interact within their environment. <b>Gr 6:</b> Science: Multicellular organisms rely on internal systems to survive, reproduce, and interact with the environment. <b>Gr 9:</b> Science: The biosphere, geosphere, hydrosphere, and atmosphere are interconnected, as matter cycles and energy flows through them.</p>	<p><b>Environmental; Innovation; Natural resources</b></p>
<p>LAB SESSION</p> <p><b>STAKEHOLDERS</b></p>	<p><b>GRADE 5-12</b></p> <p>Modern mining is about extracting resources while minimizing environmental impact and being good neighbours. Keeping stakeholders satisfied requires compromise and care. In this program, participants step into the role of operating a company for themselves. Will their perspectives change when their roles change? This question and more will be explored through our game of Stakeholders.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5 &amp; 6:</b> Natural resources continue to shape the economy and identity of different regions of Canada. <b>Gr 9:</b> The physical environment influences the nature of political, social, and economic change.</p>	<p><b>Natural resources</b></p>
<p>LAB SESSION</p> <p><b>ENTER THE ANTHROPOCENE</b></p>	<p><b>GRADE 7-12</b></p> <p>Have humans altered the climate? Explore elements of our planet's dynamic past and how our knowledge of this past enables us to identify factors that have shaped the climate as well as make predictions about the future when it comes to climate.</p>	<p><b>30 MINS</b></p> <p><b>Gr 7:</b> Earth and its climate have changed over geological time.</p>	<p><b>Earth science; Climate change; Environmental</b></p>
<p>SITE SESSION</p> <p><b>GOLD QUEST</b></p>	<p><b>GRADE K-12</b></p> <p>Gold panning - it played a significant role in the formation of our province, but for the people actually following the gold rushes, it was far more likely to be a bust. This program gives a nod to the significances of the rushes, while also bringing in the realities faced by those prospectors - realities partially experienced through the challenges of panning.</p>	<p><b>30 MINS</b></p> <p><b>Gr 4:</b> The pursuit of valuable natural resources has played a key role in changing the land, people, and communities of Canada.</p>	<p><b>Natural resources</b></p>
<p>SITE SESSION</p> <p><b>BOOM! OR BUST</b></p>	<p><b>GRADE 4-12</b></p> <p>BOOM! brings the historical Mill building to life once again as it tells the story of its role in Britannia's success. This experience is then put into perspective with a look at the relationship the Mine had with the Mill and the innovation required to make it a success.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5 &amp; 6:</b> Natural resources continue to shape the economy and identity of different regions of Canada. <b>Gr 9:</b> The physical environment influences the nature of political, social, and economic change.</p>	<p><b>Innovation</b></p>
<p>SITE SESSION</p> <p><b>TALE OF TWO MINES</b></p>	<p><b>GRADE 5-12</b></p> <p>Britannia was once a major copper producer. Kennecott Utah Copper still is. This program looks at some of the similarities and differences between these two mines through the lens of responsible resource management. <i>Groundbreaking</i> is included, our award-winning movie about Britannia.</p>	<p><b>30 MINS</b></p> <p><b>Gr 5 &amp; 6:</b> Natural resources continue to shape the economy and identity of different regions of Canada. <b>Gr 9:</b> The physical environment influences the nature of political, social, and economic change.</p>	<p><b>Natural Resources</b></p>