

<p>Beaver</p>	 <p>Canadian Geographic photo</p>	<ul style="list-style-type: none"> • How Beavers shaped Canada - water engineers! • How Beavers live in the water • What do Beavers eat? - How do they raise their young? • Beaver's essential role in climate change adaptation • How Beavers create wetlands 	<p>BEST FOR...</p> <p>Grade 2-3 Intermediate Grades 1.5 hrs in classroom</p>
<p>Climate Change Adaptation 1.0: Strategies for the Kootenays</p>		<ul style="list-style-type: none"> • What is climate change and how will it affect us? • Understanding climate change adaptation • Students design their future homes/neighbourhoods • Emphasis on energy and water conservation • A one-hour in-class program 	<p>Intermediate and Secondary Grades 1 hr. in classroom</p>
<p>Climate Change Adaptation 2.0: Living With Wildfire</p>	 <p>Linklater Creek Fire Credit: B.C. Wildfire Service</p>	<ul style="list-style-type: none"> • Interface development (or resilience of vulnerable communities) • The 50% of human causes • Health effects • How climate change is increasing wildfires 	<p>Intermediate and Secondary Grades Two 1-hour classes</p>
<p>Creek Science</p>		<ul style="list-style-type: none"> • Working in science teams • Catch, Observe and Draw Macro Invertebrates • Measure velocity • Collect and record science data • Combines Science and Math 	<p>Grade 2 - 3 Intermediate and Secondary Grades 1.5 hr in local creek</p>
<p>Macro Invertebrates</p>		<ul style="list-style-type: none"> • In-class one hour lesson • Explore the world of macros -- Focus on life cycles • Macro invertebrate's varied strategies for survival • Crafting models of macro invertebrates • Works well in community events 	<p>Primary and Intermediate Grades 1 hr in classroom</p>
<p>Mark Creek Flume Restoration Tour</p>		<ul style="list-style-type: none"> • Impacts of 1948 Mark Creek Flood • Why was the flume built? Why did it need to be repaired? • How does Teck deal with perpetual acid mine drainage? • How are storm water drains impacted by climate change? • Importance of riparian vegetation in preventing erosion 	<p>Secondary Grades 1.5 hr Railroad museum to flume restoration</p>
<p>Stream Trailer</p>		<ul style="list-style-type: none"> • Living lab on impacts and dynamics of water erosion • How streams work - what is a proper functioning stream? • Focus on how riparian vegetation prevents erosion • Optional units - Dams and Culverts or Farming impacts 	<p>Kindergarten to Secondary Grades 1 hr on school grounds</p>
<p>Water Science Certificate (Cranbrook and Kimberley only)</p>		<ul style="list-style-type: none"> • 4-session course (1.5 hours each) on stream monitoring • Works: Geography 11/12 and Outdoor Education 11/12 • Optional units: <ul style="list-style-type: none"> • Riparian stewardship using Permaculture • Water temperature statistics and graphing 	<p>Senior Secondary Grades - 3-classes of 1.5 hs on local creek</p>
<p>Wetlands (Only at Eimer's Lake, Kimberley Nature Park)</p>		<ul style="list-style-type: none"> • Engaging students in the wetlands story... <ul style="list-style-type: none"> • How are wetlands formed? • Why are wetlands important? • What do wetlands do? • What plants and animals live in wetlands? • Using science to measure, observe, discover and draw • Teams search for specific wetland plants and animals • Each team reports their discoveries 	<p>Intermediate Grades - 2.5 hr class at Eimer's Lake - students bussed to start</p>

Note that our programs integrate beautifully. So, book the Stream Trailer with a follow up of Beavers, or how about Macro Invertebrate Ecology followed by Creek Science. Our instructors will integrate the lessons, which will reinforce the concepts we teach. Contact our School Liaison, Patty at wolfson1@shaw.ca to arrange.