Mainstreams Water Education

For booking inquiries,
www.mainstreams.ca

Beaver

- 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

BEST FOR...

Grade 2-3
Intermediate Grades

Climate Change Adaptation

- What is climate change and how will it affect us personally?
- Understanding climate change adaptation
- Students design their future homes/neighbourhoods
- Emphasis on energy and water conservation
- A one-hour in-class program

Intermediate and
Secondary Grades

Creek Science

- Working in science teams
- Catch, Observe and Draw Macro Invertebrates
- Measure velocity
- Collect and record science data
- Combines Science and Math

Grade 2 - 3
Intermediate and
Secondary Grades

Macro Invertebrates

- 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

Primary and
Intermediate Grades

Mark Creek Flume Restoration Tour

- 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

Secondary Grades

Stream Trailer

- Living lab on impacts and dynamics of water erosion
- How streams work - what makes a proper functioning stream?
- Focus on how riparian vegetation prevents erosion
- Optional units - Dams and Culverts or Farming impacts

Kindergarten to
Secondary Grades

Water Science Certificate - Cranbrook and Kimberley only

- 4-session course (1.5 hours each) on stream monitoring
- Works well with Geography 11/12 and Outdoor Education 11/12
- Optional unit:
  - Riparian stewardship using Permaculture

Senior Secondary
Grades

Wetlands

- Engaging students in the wetlands story...
  - How are wetlands formed?
  - Why are wetlands important?
  - What do wetlands do?
  - What plants and animals live in wetlands?
- Students use science to measure, observe, discover and draw
- Teams search for specific wetland plants and animals
- Each team reports their discoveries

Intermediate Grades