



Brightwater Site

Grade 7 Mapping/GPS Session

Prior to coming to Brightwater for your experience, **students should:**

- Know what a map legend is and the purpose it serves
- Be familiar with UTM's (Universal Transverse Mercator Coordinate system) and Longitude and Latitude in relation to GPS and maps

At Brightwater in 1.5 hours, students will:

- Examine a map of the localized area that uses longitude and latitude
- Use a GPS and its UTM coordinates to identify various areas at Brightwater
- Discussion of inaccuracy and uses of GPS
- Construct their own map with legend of a portion of the Brightwater area

Possible Curricular Connections:

Outcome: DR7.1

Analyze and use various types of maps (that provide differing perspectives and information for differing purposes) in order to situate current issues in Canada, and in a selection of Pacific Rim and northern circumpolar countries.

- Locate the continents and significant physical features (e.g., landforms, water bodies, climatic zones, vegetation zones) on a world map.
- Identify the major population clusters in Canada, and in a selection of Pacific Rim and northern circumpolar countries and locate them on a map.
- Locate and identify Treaty territories on a map of Canada.
- Examine maps of various projections and scales (e.g., Mercator, Peters, circumpolar, plate tectonics) in order to determine the characteristics and application of each map.
- Examine and propose the advantages, limitations, and potential uses of a variety of types of maps (e.g., Mercator, Peters, circumpolar, plate tectonics).
- Describe the nature of the physical, political, and population geography of Pacific and northern Canada, and of a selection of Pacific Rim and circumpolar countries using data from various maps, charts, and graphs.
- Construct generalizations about the nature of the physical, political, and population geography in Pacific and northern Canada, and in a selection of Pacific Rim and circumpolar countries.