

Summer Glacier Skills Course

Equipment List



Location: Blue River, BC

Required Equipment:

Mountaineering Clothing:

- Gore Tex or similar outer shell (water & weather proof)
- Puffy Jacket
- multiple quick dry under layers
- lightweight gloves for rope handling
- snow gloves
- soft-shell and hardshell pants
- Gaiters
- Collapsible Hiking poles – optional
- Other personal clothing as needed for comfort in multi day backcountry camping

Camping Equipment:

- Duffel bag or Backpacking Bag: 60-90 liter bags preferred
- Backpack- should be at least 35 Liters with attachment for an ice axe
- Lightweight three season backpacking style tent (four season will work too)
- Sleeping bag (at least -5 C degree rated, should be highly packable)
- Lightweight cooking stove (jetboil or similar weight stove) and Fuel
- Cooking and eating pot and utensils
- Lighter or Matches
- Biodegradable soap
- Water purifier - filter or tabs and water bottle
- Sleeping pad (Thermarest style air pad preferred)

Standard Guide Gear:

- Sunglasses / Goggles (optional)
- Headlamp & spare batteries
- First aid and Blister kit
- Sunscreen
- Hat / Toque
- Repair kit
- Write in the rain style field book with pencil.
- Altimeter (watch, phone or device)

Navigation Equipment:

- Compass with sitting mirror and adjustable declination screw
- Resources Canada 1:50000 scale topographic map series:
- Blue River 83 D/3, Nagle Creek 83 D/2

For Maps contact:

ITMB Publishing Ltd.

12300 Bridgeport Road, Richmond, BC, V6V 1J5 Website: <http://www.itmb.com/>

Mountain Travel and Rope Equipment:

- Climbing helmet-must be rated to EN-1077 standard (MIPS preferred)
- General mountaineering style boot with a rear welt, *must be semi automatic crampon compatible* (Alpine climbing style boots also acceptable) for more information see <https://www.salewa.com/en-us/expertise/choosing-crampons>
- Crampons- general mountaineering category, semi or automatic style (aluminium discouraged) Examples: BD Sabretooth, Petzl Vasak
- Ice Axe- general mountaineering style with adze (ice tools or hybrid ice tools discouraged) Examples: BD Swift Ice, Petzl Summit Evo
- Climbing harness- must be Type C (lightweight ski mountaineering style discouraged) Examples: BD Momentum, Petzl Corax
- Climbing rope- UIAA single rated, 50-60m length, 9.0-10.0mm diameter (dry treated ropes strongly encouraged)
- Rope bag for rescue rope
- Cordelette- standard dynamic climbing accessory cord, 1X 6m length, 1X 2m length, 5X 1-1.5m length in 7mm width (The CSGA recommends that friction hitches be constructed with cord that is 20-30% (2mm) smaller in diameter than the main rope in service, exception for Tech Cord)
- 4X HMS style triple action locking carabiners (consider O beam style for smoother rope handling with hitches, Example: BD Pear lock or BD Rocklock)
- 2X locking or non locking carabiners (lightweight H beam style acceptable)
- 3X triple action / captive eye carabiners (either the Edelrid or Grivel or other). [Can be purchased here.](#)
- Ice screws: 2 x 16 cm minimum. Examples: BD Express, Petzl Laser Speed



- 1X “prussik minding” pulley for smaller diameter ropes & prussiks (either [Picolo](#) or [SMC micro PMP](#)).
- 2X Nylon Webbing- > 6m length, 19mm width.
- Improvised rescue harness with 240cm sewn sling
- Lightweight rescue pulley (examples BD pulley, Petzl rescue pulley)
- Lightweight progress capturing pulley, Petzl Micro Trax preferred (other examples Petzl Nano Trax, Edelrid Spoc)
- *From the CSGA Instructor team: We have found that the Petzl Mirco Trax is the easiest of these pulleys to release while weighted.*
- Please refer to the following CSGA YouTube video links for a visual of gear requirements for the L1 & L2 rope assessment.
- <https://youtube.com/shorts/YDzfvbRdkU?si=BuYDVuazadViNNxg>
- <https://youtube.com/shorts/4H6P-5E8IH9Y?si=0wN4yrqh3ZI9I3H>



Note: If you are bringing small diameter low stretch ropes such as Petzl Rad line, then you must have 2 x [Beal Jammy](#) (30 or 50cm length).



Optional Equipment-

Plaquette style belay device- must be rated for the diameter of rope in use (example BD alpine guide ATC cannot be used with ropes >9mm, Petzl Reverso cannot be used with ropes <8.5mm)

30m or 60m very low stretch glacier cord (Examples Petzl Rad Line, Edelrid Rap Line II, Mammut Glacier Cord)

From the CSGA Instructor Team: Lightweight Glacier cord training, will only be done if time and group experience allows.

Petzl Tibloc (the CSGA allows Tiblocs for rope **ascending only as a secondary means (foot only)**. Tiblocs cannot be used as a rope grab in haul systems, consider when purchasing this item)

Snow picket: cable and expedition style are acceptable

Food and Fuel-

Guiding candidates must provide for their own food and fuel for six days and five nights. Food and fuel are to be of a lightweight style that is easily packable. **The CSGA strongly encourages candidates to share fuel, stoves, and tents.** A group email will be sent out prior to the course for candidates to coordinate.