

Navigation by Map and Compass

“Learn the basics of map and compass navigation, how to read and interpret topographical maps and how to improvise when your compass is lost in order to feel comfortable and confident in wilderness direction finding. Students will learn hands on through practical orienteering lessons about setting a bearing, declination compensation and triangulation.”

- **The basics of navigation**
 - Choosing a compass
 - The parts of a compass
 - Taking a bearing without a map

- **Reading a topographical map**
 - NTS Mapping
 - Taking a bearing with map and compass
 - Declination and how to adjust for it

- **Improvised compasses**
 - Direction finding via natural observance principles
 - Watch method
 - Shadow stick method
 - Navigation at night
 - Magnetic improvisations

- **Field component**
 - Day will include a nature walk to demonstrate methods of direction finding using only natural phenomena.
 - Students will complete a predetermined orienteering course set up at a local conservation area.

This course is approximately one to two hours in duration

Cost: \$20 per person

- Students are to bring appropriate outdoor clothing and a safety whistle.
- All other equipment will be supplied by EasternOPS