

Orienteering

Synopsis

4th-6th, Upper



Hartley
Nature Center

MN Academic Standards

supported during HNC program.
More standards can be supported with pre- and post lesson activities.

Science

- 5.1.1.1.4 Models represent nature
- 7.1.3.4.1 Use map to predict landscape

Math

- 6.3.3.2 Estimate time and distance using scale
- 7.3.2.3 Solve problems using scale

Social Studies

- 4.3.1.1.1 TODALS map basics
- 4.3.2.3.1 Locate and id physical places
- 5.3.1.1.1 TODALS map basics
- 5.3.2.3.1 Locate and id physical places
- 6.3.3.6.1 Locate, identify and describe major physical features in Minnesota

Language Arts

- 4.8.1.1 C, D, 5.8.1.1 C, D, 6.9.1.1 C, D,
- 7.9.1.1 C, D, 8.9.1.1 C, D, 9.9.1.1 C,
- 11.9.1.1 C

Authenticity

Students will successfully navigate an orienteering course.

Goals & Objectives

This program will:

- Introduce the basics of orienteering
- Give students the skills and confidence to navigate any environment successfully

Students will be able to:

- Effectively navigate an orienteering course
- Identify the parts of a map and how to orient
- Use a map and compass together

Activities

In the classroom:

- Discuss the various parts of a map and how to orient it outdoors and with a compass.
- Come to understand map scale
- Learn orienteering basics

In the field:

- Do a map walk- how should the map be oriented?
- Navigate a practice 3 point course
- Navigate a short, timed star course
- Orienteer a larger course as a team if time allows

Bad Weather Alternative

- Provide students with an indoor course that is formatted similarly to the outdoor course.
- Once finished, teams can attempt to create their own courses for other teams to complete.
- Students will play a matchup game that matches topography with the corresponding map section.
- Students will practice identifying correct portions of topography
- Slices of Earth activity to teach about topography.