

Compass Navigation

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.

Language Arts

4.8.1.1 B, C, E

5.8.1.1 B, C, E

6.9.1.1 B, C, E

7.9.1.1 B, C, E

8.9.1.1 B, C, E

9.9.1.1 B, C, D

11.9.1.1B, C, D

Authenticity

Use a compass to navigate through a living forest in Hartley Park

Goals & Objectives

This program will:

- Recognize the basic value/usefulness of compasses
- Emphasize the importance of teamwork to navigate a compass course

Students will be able to:

- Demonstrate proper use of compass
- Show accurate pacing (measure of distance) while following a compass bearing

Activities

In the classroom:

- Overview of the basic history of human navigation
- Brainstorm different types of information that maps can display.

In the field:

- Use a compasses, and/or landmarks to reach the destination of a compass course.
- Play Compass Cowboy to learn to use a compass.
- Follow worksheet directions to find several marked points. Each point leads to another point on the course. Reaching each point in the proper order leads the team to a list of animal names. These names allow the HNC educator to check each team's progress.

Bad Weather Alternative

- Divide students into groups and have each make a map of the building.
- 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.