Objectives
● Student will be able to read a compass and use it to navigate terrain.
● Students will be able to safely hike through a designated path.

Standards
● Demonstrates correct technique for basic skills in 1 self-selected outdoor activity (S1.M22.6)
● Demonstrates correct technique for a variety of skills in 1 self-selected outdoor activity (S1.M22.7)
● Demonstrates correct technique for basic skills in at least 2 self-selected outdoor activities (S1.M22.8)

Key Vocabulary
● Compass
● Orienteering
● “Reading” a map
● Cadence or pace

Equipment Needs
● Compasses
● Hiking / walking shoes
● Walking sticks / poles
● Appropriate clothing for weather

Set-up
● Compasses will be available for students to pick up
● Teacher will plan hiking path prior to lesson
● Mark out a 10 yard start and stop (for measuring steps)

Safety
● Check activity area for obstacles or holes
● Keep all students together on hike
● Be aware of changing weather conditions
● Instruct students to bring water, sunscreen, and other appropriate personal items
Warm Up
● Marching band movements
  ○ Teacher will play a song and students will march around the activity area acting
    like they are playing a musical instrument while marching like they are part of a
    halftime show

Description
1. Teach students how to read a compass.
   a. [https://www.youtube.com/watch?v=cZIKFQk9ToU](https://www.youtube.com/watch?v=cZIKFQk9ToU)
2. Have the students walk with normal steps on the 10 yard path (counting steps).
   a. This will tell them how many steps they take for every 10 yards
   b. Do this 3 times and average the steps
   c. Ex. If you walk 12 steps in 10 yards, then you walk 36 steps in 30 yards
3. Practice moving in a direction for a distance.
   a. ie 25 yards NorthWest
4. Take a predetermined hike through the woods or other area with students.
   a. Bring the compass to discuss directions the group is traveling
   b. Walk for 20-30 minutes (as time dictates)

More Challenging
● Make pathways for students to follow with steps.
  ○ 20 yards Southeast
  ○ 30 yards south
  ○ 15 yards northwest
  ○ 25 yards east

Less Challenging
● Use digital compasses on the walk alongside the hand held compass to compare

Assessment
● Written - Have students draw a “treasure map” with compass directions to find the
  “treasure”
● Physical - Have students point the appropriate direction using the compass
  ○ Ex Northwest

Cool Down/Review/Closure
● Review how to read the compass
● Review steps in a 10 yard span