

# Geocaching Lesson Plan

**Subject Area:** Physical Fitness

**Lesson Title:** Introduction to Geocaching

**Grade Level:** 5th Grade

**Time Required:** 90 minutes (three 30 minute class periods)

**Engineering Connection:** Application of sensor technology to physical education and lifelong fitness.

## **Educational Standards:**

**PE Standard 2:** Demonstrates understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of physical activities.

**PE Standard 4:** Achieves and maintains a health-enhancing level of physical fitness.

## **Learning Objectives:**

- Students can use the basic functions of the GPS units for navigation.
- Students have an idea about what geocaching involves.
- Students understand that they can go online to find geocaches.
- Students have experience with navigating to, searching for, and finding a cache.
- Students understand that geocaching can be a part of an active lifestyle.

## **Materials:**

- One or more GPS Handheld Units
- Cache (we used pencils, stickers, and bookmarks)

## **Procedure:**

1. Day 1
  - a. Introduce a GPS handheld and its functions.
  - b. Discuss geocaching. Ask who has done it and ask a few to share their experiences with the class.
2. Day 2
  - a. The students navigate a simple route of five waypoints in the playground, gaining experience with navigating using the GPS device(s).
3. Day 3
  - a. Place a cache before class and hide it well. They should have to look hard for it once they reach the last waypoint.
  - b. The students use the device(s) to navigate to the cache.
  - c. The students collect their prizes at the end of the day.

**Assessments:** Pretest and Posttest

## **Modifications/Extensions:**

1. Add more handheld GPS units depending on the number available and the size of the class.