



Names \_\_\_\_\_

### Part 1: Pick a Hiding Spot

1. Find a good hiding spot for your treasure in the area specified by your teacher. Be sure to pick a safe area and put it in a place so it can be seen!
2. Use your GPS receiver to mark a waypoint (location). Record the number for this waypoint and its latitude and longitude in the box.

<b>OUR SECRET HIDING SPOT</b>	
Receiver #	_____
Waypoint #	_____
Latitude:	_____
Longitude:	_____
Description of Location:	

3. Complete the box at the bottom of this page and tear it off.
4. Return to HOME BASE. Give your receiver and the “Can you find our treasure?” slip to your teacher.

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*Fill out this slip and tear it off. This slip will be given to another team along with your receiver.*

<b>Can you find our treasure?</b>	
Team Members:	_____
Receiver #	_____ You need to find waypoint # _____.

# GPS Hide & Seek

# Teacher Information

## Materials:

GPS receivers – 1 per group of 2-3 students

Containers (plastic eggs, boxes, black film canisters, etc.) for each group

Treasures for each container (small toys, tattoos, erasers, stickers, candy, etc.)

Copies of the student worksheet

Pens or pencils

## Overview:

During this activity students learn how to mark waypoints and determine their latitude and longitude. The students also learn how to use the GO TO command to find a waypoint and receive a treasure as a reward.

## Directions:

1. Assign numbers to each of the receivers as well as the containers they will hide.
2. Prepare for the challenge by stashing treasures in each of the containers. Be sure to provide enough so each person in the group will have a treasure to keep. You will also need to turn on the GPS receivers and allow time for them to pick up the satellite signals.
3. Give each group a receiver, a container with the treasures, and a worksheet. Make sure the numbers on the receivers and containers match.
4. Go over the directions in Part 1 on the student worksheet and specify the area(s) where the students can roam to find hiding spots as well as the location that will be considered home base.
5. Allow time for the students to hide their treasures and complete the information on the worksheet. Students need to return to the home base when they are done.
6. When all groups have returned, pass out the receivers and the “Can you find our treasure?” slips. Go over the directions in Part 2 on the student worksheet and allow time for the groups to find their treasures. Remind the groups that they must find the treasure with the same number as their receiver.
7. After all the groups have returned from treasure hunting, discuss any difficulties the teams had finding the treasures.

NOTE: We did this activity at our local wildlife refuge with teams of 5<sup>th</sup> and 8<sup>th</sup> grade students. The 8<sup>th</sup> grade students had learned how to mark waypoints and use the GO TO command prior to the field trip and were able to share their knowledge by teaching the 5<sup>th</sup> graders during the activity.