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First Class Navigation Requirement 4b

Reference Information

4b *Demonstrate how to use a handheld GPS unit, GPS app on a smartphone, or other electronic navigation system. Use GPS to find your current location, a destination of your choice, and the route you will take to get there. Follow that route to arrive at your destination*

The First Class requirements checklist can be opened and printed here:

https://www.troop2bsa.org/_files/ugd/142822_0c0e9ae332c34d9d901083fa751e3045.pdf

You can find guidance or the actual answer for every First Class requirement in the Scout Handbook.

NAVIGATION with GPS - Summary Information

For First Class requirement 4b, you may use your phone or your parent's phone as a GPS device. We have a standard list of questions below. This does not take long to do at home; about 15 - 20 minutes. Most scouts find it to be a fun exercise.

After you finish, please arrange to discuss results with a First Class rank advisor. Bring your notes from completed steps below. Discussion for this one takes about 5 minutes, 10 minutes maximum.

NAVIGATION with GPS - questions

1) **What are the two numbers in location coordinates? What do they represent?**

This is explained in the Scout Handbook, in the section on Navigation with GPS.

2) **What is Latitude zero? What is Longitude zero?**

3) **Using the Google Maps app on your phone, find “La Jolla Valley Walk-In Camp”.**

(If you don't have Google Maps on your phone, you'll need to install it. Apple Maps does not identify “La Jolla Valley Walk-In Camp”.)

4) **Get the coordinates from “La Jolla Valley Walk-In Camp”.**

Bring a note with those coordinates. We will verify that you got the location and coordinates. To get coordinates from a location on the Google Maps app, press and hold the location with your finger and location info will pop-up. On a PC / web browser, right-click the location for a pop-up window of location information.

5) At home, using the Google Maps app on your phone, **point yourself and your phone in the direction of La Jolla Valley Walk-In Camp**. When you are pointed in the direction of La Jolla Valley Walk-In Camp, switch to the compass app or use a real compass, and **note the direction in which you are pointed (in degrees) toward La Jolla Valley Walk-In Camp from your home**. We will ask the compass direction when we meet.

6) Paste these coordinates into Google Maps or Apple Maps (either works), and tell us when we meet, **What is this location?:** [34.054893, -118.512585](#)

7) When we meet, we will ask you to **point yourself and your phone (or a real compass) in the direction of this location** in step 4 above (34.054893, -118.512585) and give us the heading in degrees.