



Compass:

Before completing this charm, girls should have completed the Be Wild, Be Free patch. It may be a good idea to also have first aid and leave no trace.

Some resources to help you complete your charm:

- <http://www.wikihow.com/Use-a-Compass>
- <http://www.learn-orienteeing.org/old/>
- <https://www.rei.com/learn/expert-advice/navigation-basics.html>

Daisy

- Learn how to find north. What are the 4 directions on the compass?
- Practice following directions using compass directions. You can make them up and work with a partner or have an older girl or adult make them up for you to follow.
 - Walk 3 steps north, 5 steps west, etc.
- Play a game to show you know all the points of a compass.
 - 4 girls stand in a circle with 1 girl in the middle. Each girl in the circle represents a point on the compass. Call out directions (North, South, East, West) and the girl in the middle uses a compass to find the correct girl to turn to. Have girls take turns being the middle.
 - You may also have all girls stand in a line and turn to the correct direction. This will work best if each girl has a compass.

Brownie

- Learn how to find all four directions on the compass. What numbers correspond to each direction?
- Learn the basic parts of compass
- Have an adult or older girl scout create a scavenger hunt
 - Adults: you can use this site to calculate a game for your girls.
http://www.scoutorama.com/orienteer_game/index.cfm

Junior

- Learn the four directions on the compass and the corresponding numbers. Learn the difference between magnetic north and true north
- Learn all the parts of the compass, how a compass works, and how to use it on a hike
- Learn how to use the dial of the compass

- Learn how to find your pace
- Have an adult or older girl scout help you with a wilderness scavenger hunt.
 - For an idea of an orienteering game:
http://www.boyscouttrail.com/content/game/compass_reading-393.asp
- Learn to read a city map

Cadette

- Learn all the parts of the compass and how they work. Know the difference between magnetic north and true north and how to correct for declination. Learn how to find your pace on flat ground. Learn how to find your pace going uphill or downhill. How does elevation affect your pace?
- Learn to read a topographical map. How does this help you when on a hike?
- Use your map to trace out a hiking route. With your girl scout sisters, take that hike. Use your compass to find different landmarks along the way and add them to the map.

Senior/Ambassador

- Learn all the parts of the compass and how they work. Know the difference between magnetic north and true north and how to correct for declination. Know how to find your pace on flat ground and how to adjust for up and down hill.
- Learn how to find a bearing from a map.
- Learn how to find your bearings when you're lost.
- Challenge yourself to taking a hike in an area you don't know, using only a map and a compass to find your way. Remember safety rules for hiking: tell adults where you'll be, always have a buddy or two, and bring plenty of water.