

Date: Thursday July 9, 2020

Time: 9:00 a.m. (30-60 min)

Materials:

Magnet
Cardboard
Hot glue, scissors (not provided)
Paper
Crayons, Markers, Pen (not included)
Bowl with water (not provided)
Phone with a compass or Compass app

Activity Agenda

Orienting Fun



I. Welcome

Be sure to have your materials ready before the video session starts and always ask an adult for help and permission.

II. Activity Overview

- **Join Camp La Jita Staff virtually to build your own compass and learn how to use it. Today we will be using a homemade compass to learn the basics of orienteering and map making by mapping your neighborhood or home. Come get lost in the fun, by the end you'll be able to find your way back!**

III. Patch/Badge name and requirements

- **Daisy – Daisy Trail Adventure**



- **Step 1: Choose your outdoor adventure**
- **Step 2: Prepare for your outdoor adventure**
- **Step 3: Go on your outdoor adventure**

- **Brownie – Hiker**



- **Step 1: decide where to go**
- **Step 2: try out a hiking skill**
- **Step 3: pick the right gear**
- **Step 5: go on your hike**

- **Cadette – Trailblazing**

- **Step 1: start planning your adventure**
- **Step 2: get your body and your teamwork skills ready**
- **Step 4: gain some trailblazing know-how**
- **Step 5: head out on the trail**

IV. Grade Levels

- **All campers are welcome to join to learn and participate in the activity**
- **Badge requirements will focus on grades K-3 and 6-8 (D, B, C)**



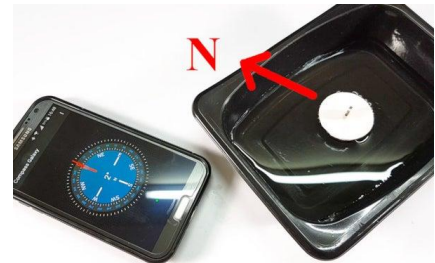
V. Activity/BPI Link

- <https://www.instructables.com/id/DIY-Magnetic-Compass/>

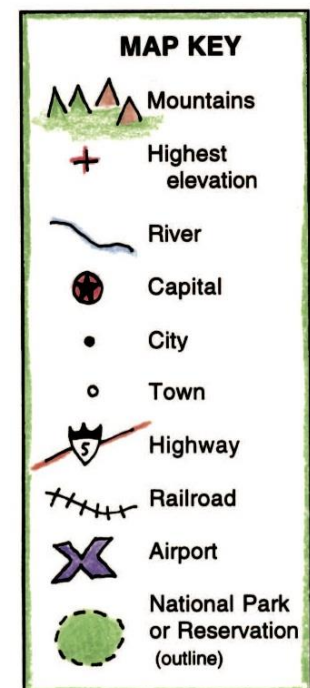
VI. Activity

• Step 1: Build your compass!

- You need a magnet and a piece of cardboard – cut out the circle we have pre-drew for you
- Using super glue or hot glue, place your circular magnet vertically (up and down) at the center
- Get your bowl of water ready – magnetic poles always align with the Earth poles when a magnet is left to float freely, we now need to calibrate the compass to mark the directions
- Let the compass float in the container or water
- The magnet will align only in 1 direction
- Use the compass on a phone or if you have a compass you can use to get the direction of North
- Once you figure out which direction is North, mark the directions on the cardboard circle and now your new compass can be used freely to find directions



- Step 2: Take your compass and figure out which direction your house is facing by seeing in what direction your front door is facing. Draw your house on your map
- Step 3: Continue to fill in your map and create a map key. A map key is a guide that tells the reader of the map what different markings or symbols on a map mean. Below





are some examples, but your map can use any symbols or pictures you want!

- **Step 4: Get creative and decorate and color your map!**
- **Step 5: Use your map and compass to help you get to know your neighborhood better. Try mapping a good route for a walk and go out with your household! When planning your walk use the cardinal directions as your instructions (Ex: Go north until Girl Scout Drive, then head west, head south at the mailbox, etc.) When you are on your walk take your compass, so you know which direction you are going. For more fun you can add to your map and get a wider view of your neighborhood. Remember to explore with a trusted adult and get permission before you head out!**

VII. Clean Up

A Girl Scout always leaves a place cleaner than she found it.

VIII. Closing

Be sure to tune into our next activity – Know Before You Go at 11:00 a.m.

See you soon, Girl Scout!