

# Nifty Navigation

## The Last Great First Challenge Part 1



This week and next week's challenges are inspired by The Last Great First, an unsupported ski trip covering 2600km across the Antarctic from coast to coast by Doctors Gareth Andrews and Richard Stephenson, who are both former scouts. They will be gathering crucial climate data to help address climate change. Find out more about their trip [here](#).

This week's challenges are under Personal Growth.



PERSONAL GROWTH

Video here.

### Patrol Challenge: Never Eat Soggy Weet-bix

We never know when we might need a compass, such as when we're out in the bush or crossing the Antarctic. This challenge is to make your own compass with magnets and needles. Compare it to an actual compass if you have one. Instructions can be found [here](#).

### Resources Required:

- Metal sewing needle
- A magnet. It can be a flat refrigerator magnet or a more powerful magnet. A stronger magnet will work better.
- A cork
- Scissors for cutting the cork
- A cup, drinking glass, or bowl
- Water
- A pair of pliers (recommended)

### Individual Challenge #1: By the Stars Above

How do we navigate if we don't have a compass? This challenge is to look at the different constellations found in the sky and how to navigate by them, using the resources below. Go outside and see if you can see any, if possible. Are the same stars seen in the northern and southern hemispheres?

### Southern Cross Navigation:

1. Go to the link here: [Southern cross](#)

## Night Sky Map:

1. Go to the link here: <https://skyandtelescope.org/interactive-sky-chart/>
2. Enter the Longitude and Latitude of your location, as shown in the picture. Adelaide's coordinates are 34° 55' and 138° 36'.
3. Uncheck the 'show daylight' box.

From here, play around with the different times and see what you can find. A good starting point is to find the Southern Cross, shown below.



Manually enter latitude a...

Latitude  °  NO S

Longitude  °  WO E

Name (optional)

## Resources Required:

- Computer or mobile device

## Individual Challenge #2: Triumphant Training

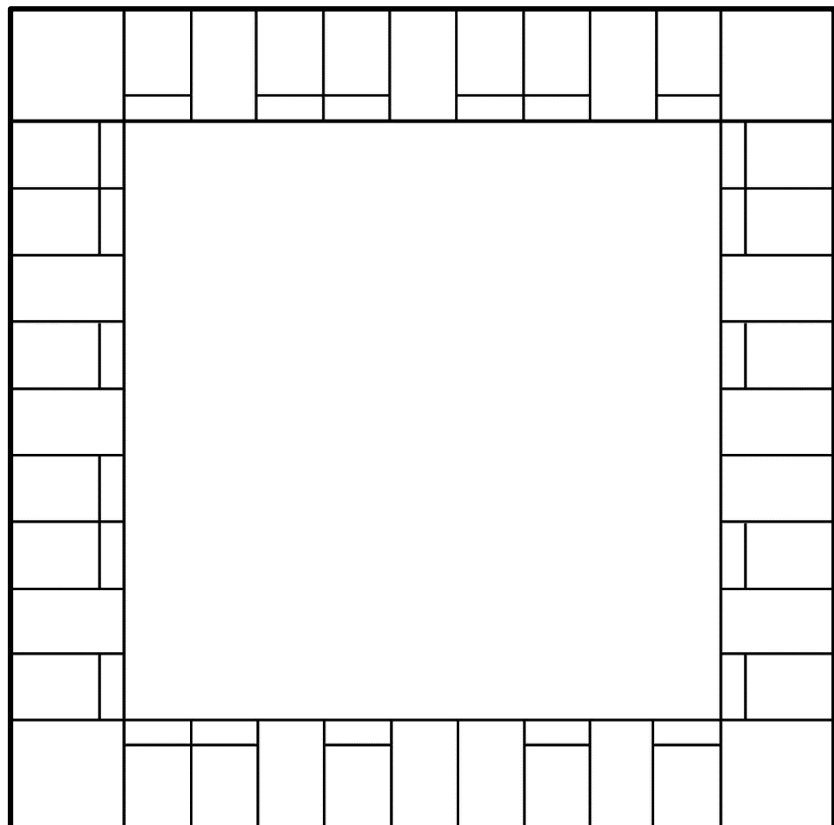
In preparation for their trip, The Last Great First duo trained by pulling tyres along the ground. This challenge is to give this style of training a go, and find some objects/weights which are just right for you that they're an effort to move (not tyres). Try dragging the weights along the ground multiple times. How difficult do you think tyres would be?

## Resources Required:

- Weights/objects (not too heavy)
- Cord/straps to pull objects if required

## Individual Challenge #3: Do Not Pass Go

This challenge is to create a Monopoly board for your community or Scout Group. Create title deeds, Community Chest & chance cards, name your railway stations or Campsites, and give your board a local feel. See board template attached.



## Resources Required:

- Board template
- Pens/textas

## Individual Challenge #4: Scouts Rock!

This challenge is to paint a rock and hide it somewhere out in your community for someone to find and re-hide or treasure it for themselves.

### Steps to painting your rock:

1. Find a smooth, flat rock – crevices are hard to paint. Craft stores sell good rocks if there's none suitable outside. Make sure your rock is clean before painting, wash any dirt off.
2. Prime the top of your rock with a layer of white paint – it'll help the paint colours stand out.
3. Paint the top of your rock! What design are you going with? Could it be scout related?
4. Once your rock's dry, turn it over. Write your Scout group's contact details on the back with permanent marker.
5. Finish off the top of your rock with a coat of clear PVA glue. This will help protect it from the weather.
6. Go for a walk and hide your rock!



## Resources Required:

- Paint and paint brushes
- A rock
- Permanent marker
- PVA glue

## Evidence Submission:

To enter the running for this week's individual prize, a student Grand course or Kids course Tree Climb voucher, upload a photo of you completing one or more of the individual challenges to the JotForm. Upload a photo of your patrol attempting the patrol challenge to go in the running for the patrol prize.

## Week 2 Submissions:

Congratulations to our week 2 winner – Helena Minor-Cywinska from Port Noarlunga Sea Venturers!

<https://www.youtube.com/watch?v=MCzzUf5VTvg>



We had some more great entries for the individual challenges!





And for the patrol challenge!

