

# FINDING MY WAY

## ALL ABOUT A COMPASS

### EARTH'S MAGNETIC FIELD

The inner core of the Earth is made of molten Iron and Nickel. This creates a magnetic field that spans from the inner core all the way into space. The magnetism is made by the currents of the molten Iron. The magnetic field runs North and South, therefore, when you use a compass, the needle in the compass aligns with that field and points North.



### WHAT IS IT USED FOR?

Navigation is the main purpose of a compass. Using their knowledge of cardinal directions, people can find their way with the help of a compass.

### WHAT IS IT?

A compass is a tool used to understand direction. The tool has a magnetic pointer that shows where North is.



### WHAT IS IT MADE OF?

A compass consists of a metal needle that has been magnetized. It is free to rotate within the housing to adjust towards magnetic North direction.



### HOW TO USE IT

Click on the Link entitled [How to Use a Compass](#) to learn how to use one!



### HOW TO MAKE A COMPASS

There are many ways to make a compass at home. Follow the instructions below or click on the video link titled [How to Make a Compass](#) to watch a tutorial.



## Video Resources

[How a Compass Works](#)

[What is a Compass?](#)

[Directions with Magnets](#)

[How to Use a Compass](#)

# Finding My Way:

## Create a Compass

You can make a compass at home using 5 simple supplies:

1. Magnet
2. Tin Foil
3. Needle
4. Small Dish
5. Water

Click on the following link to watch a tutorial on how to make a compass at home!

[Create a Compass](#)

# Draw a Compass Rose



Watch the following video and learn how to draw a compass rose.

**[Draw Your Own Compass Rose](#)**