

## Objective

By the end of this lesson, you will be able to understand and apply concepts related to maps, orientation, and compasses.

## Materials and Prep

- A world map or globe
- A compass (if available)
- Paper and pencils
- A ruler

No prior knowledge is required for this lesson.

## Activities

- Activity 1: Map Exploration

Take a world map or globe and spend some time exploring different countries and continents. Look for familiar places and discuss their locations in relation to your own. Identify the cardinal directions (north, south, east, west) on the map.

- Activity 2: Compass Experiment

If you have a compass, use it to explore the concept of direction. Start by identifying the north direction using the compass. Then, experiment by turning in different directions and observing how the compass needle responds. Discuss how the compass helps us find our way.

- Activity 3: Create a Treasure Map

Imagine you are a pirate searching for buried treasure! Create your own treasure map using paper, pencils, and your imagination. Include landmarks, symbols, and a compass rose to indicate directions. Share your map with a family member or friend and see if they can follow it to find the hidden treasure.

## Talking Points

- **What is a map?**

"A map is a visual representation of the Earth's surface or a specific area. It helps us understand the spatial relationships between different places and features."

- **Why do we use maps?**

"Maps are used for navigation, understanding the world, and communicating information about locations. They help us plan trips, find our way, and learn about different places and cultures."

- **What is orientation?**

"Orientation refers to the process of determining one's position and direction relative to the surroundings. It helps us understand where we are and which way we are facing."

- **What is a compass?**

"A compass is a navigational instrument that shows the direction of the Earth's magnetic

north. It has a needle that aligns with the Earth's magnetic field, pointing towards the north direction."

- **How does a compass work?**

"A compass works based on the Earth's magnetic field. The needle inside the compass is magnetized and aligns itself with the Earth's magnetic field, which allows us to determine the north direction."