



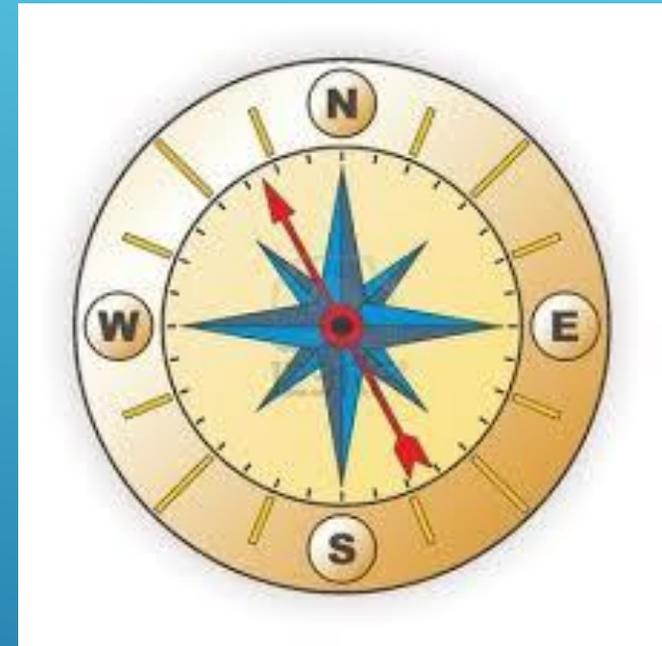
# WATCH THE VIDEO AT:

- ▶ <https://www.youtube.com/watch?v=Te0Td0QVoj0>



# CARDINAL POINTS: A GREAT TOOL

- ▶ The cardinal points are reference points that serve us to “orientate”, in them we find four directions points to different places.
- ▶ Being the earth round and the waters endless and moving, cardinal points had to be found so mariners would not be lost at sea. Geographers found them in the stars above and the sun, which they always saw coming from the same site.
- ▶ The sun then, gave sailors the cardinal point of reference. They called the point at which the sun appeared in the morning. EAST; the opposite side, was called WEST (where the sun goes down) finally, the exactly intermediate and opposite sides together, were called NORTH and SOUTH.



# Strengthening my knowledge

- ▶ When the sky is observed in detail, we find the relationship between the positions of the sun and the constellations, in respect to the beginning of the seasons, thus was used by our ancestors to know when they had to plant and when droughts approached, etc.



# Let us learn how to locate using Cardinal points



- ▶ If we recognize at least one of the cardinal points, the others can easily be located as follows:
- ▶ In the classroom, we aim **our right hand** towards the **east** so that, by extending the arms, we will see how **the left** is pointing towards **east**, our **eyes** look to the **North** and our **back** to the **south**.
- ▶ The constellations are another element used for locate. This element was very important for sailors when they went on their long journeys during night because they did not have the guidance provided by the sun during the day.

# Strengthening my knowledge

- ▶ Did you know that thanks to location tolos developed by man, it was posible that Christopher Columbus had undertaken the journey that let him to meet with the American culture.



# SOME TOOLS FOR LOCATION

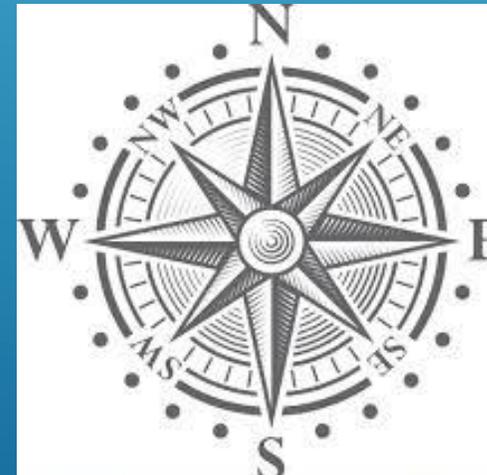
## ► Compass.

Among the elements that humans have built for their location in the world we find the compass which was invented around the ninth century. It consists primarily of a magnetized needle that rotates freely and always directs one end to the magnetic north



## ► The compass rose.

It is a figure indicating the four cardinal points, we find it on maps and inside the compasses, in it we will see the four cardinal points.



## ► GPS

The GPS or Global Positioning System: Is an ultimate system of 24 satellites that all work together to create an exact view of Earth. Using advanced technology, these satellites compare one location to a grid of numbers and then find a location, to a great degree of accuracy.



# DID YOU KNOW THAT....

- ▶ Did you know that some animals have mechanisms to settle, e.g. bats use ultrasonic, which allow them to find their prey at night in the dark and prevent them from crashing during their flight.



# CONCLUSIONS



- ▶ The humans have used the sun and after have used the constellations to locate and to know how to travel the world.
- ▶ People have developed tools such as compass maps, radars, among others to make our transit around the world easier

# TOOLS FOR LOCATION

► Match the images and their names



• Compass

• Constellations

• Compass Rose

• GPS

• Radar

# WHERE MY PARENTS ARE LOCATED

- ▶ Let's interview our parents to know how they are located in the city

*Let's play to be journalists*

- ▶ In what part of the city do you live, north, south, east or west?

---

- ▶ Where so you work, north, south, east or west?

---

- ▶ How do you locate in the city for not getting lost on the way to work or home?

---

