Arkansas State
UNIVERSITY
MOUNTAIN HOME

This activity is made possible through a partnership between ASU-Mountain Home's Teacher Education program and Friends of the North Fork & White Rivers.

Interpret Maps Using the Map Keys and Other Features

Grade Level: K-2

Subject: Social Studies

Standard:G.1.3.3

CREATE A MAP EXPLAINING AND ILLUSTRATING THE PHYSICAL CHARACTERISTIC OF A PLACE (CAMPUS)

TIME: ONE HOUR

MATERIALS: COMPASS, CLIP BOARD, PENCIL, PAPER

LEARN HOW TO READ/CREATE A MAP WITH THIS SLIDESHOW,

PASS OUT PAPERS, PENCILS, CLIP BOARDS

BEFORE WALKING.

HAVE THE STUDENT DRAW A BIG CIRCLE ON THE PAPER TO REPRESENT THE SHAPE OF THE TRAIL. (MAKE IT TAKE UP THE WHOLE PAGE)

START AT THE BEGINNING OF THE TRAIL.

AS THEY WALK THE LEADER WILL READ OFF THE COMPASS DIRECTION TO THE STUDENTS, THEY WILL WRITE IT DOWN AND DRAW THE LANDMARKS THEY SEE AROUND THEM

AT EACH TURN THE INSTRUCTOR WILL ANNOUNCE THE CHANGE IN DIRECTION. AND THE SAME THING WILL REPEAT.

Once back in the classroom we will take our time to label the rest of our map.

AT THE END OF THE TRAIL STUDENT WILL TURN IN ALL PAPERS TO BE GRADED AS A SUMMATIVE ASSESSMENT!

WE WILL NOT BE GRADING ON ARTISTIC ABILITY! JUST ON LABELING AND COMPASS FOLLOWING.

SHARE YOUR PHOTOS WITH ASUMH!!

G.1.3.3

READING A MAP

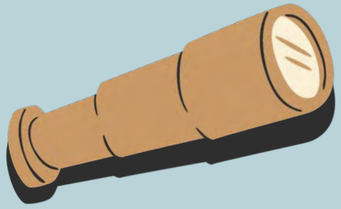
LESSON OUTLINE

The Map and Its Parts

Cardinal Directions

The Compass

Legend



LEARNING OUTCOMES

At the end of this lesson, you should be able to:

Interpret maps using the map keys, symbols, other features

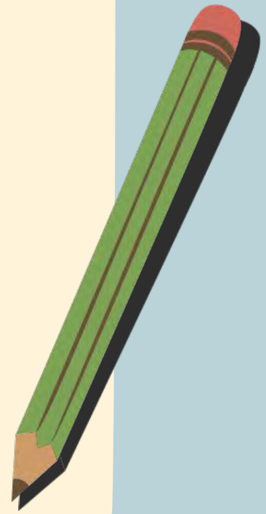
Describe locations using cardinal directions

Effectively label a map

THE MAP AND ITS PARTS

A map is a visual representation of an earth's surface.It shows the exact location of places, their sizes and distances. Maps differ in layout but usually share the given features on the right.

1. Title
2. Author
3. Date
4. Legend
5. Scale
6. Compass
7. Symbols



Title

Author

MY TREASURE MAP

by Zoya Khan . 6th June 2030

Orient

end

N

NW NE

W E

SW SE

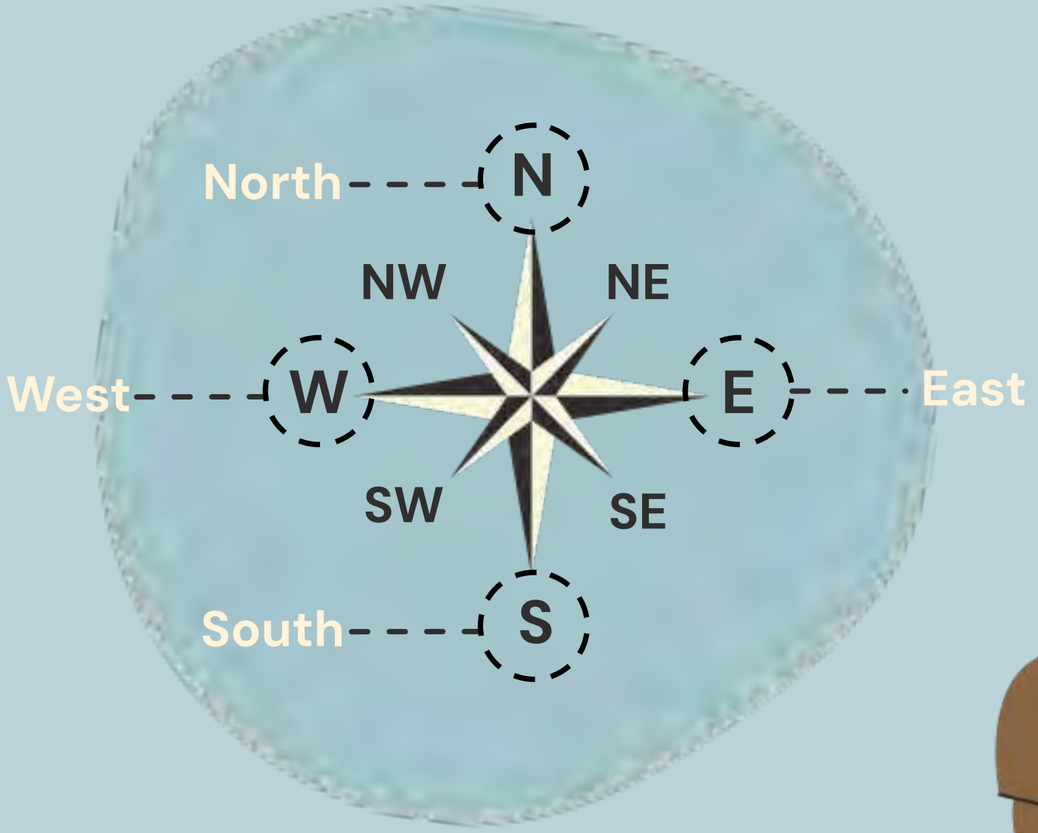
S

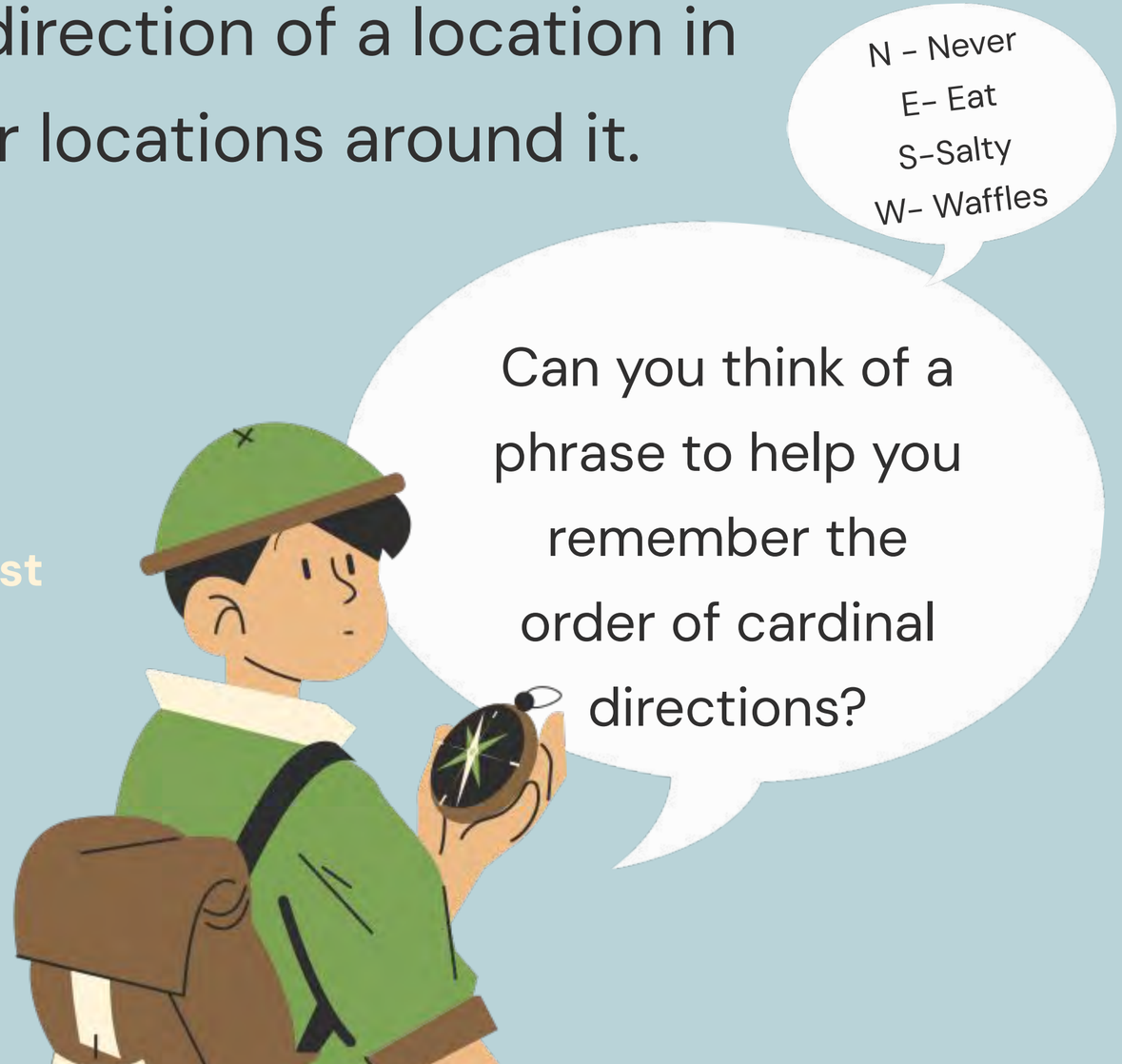
- Ocean
- Mountain
- Lake
- Treasure

1 mm = 50 km

CARDINAL DIRECTIONS

Used to describe the direction of a location in relation to the other locations around it.

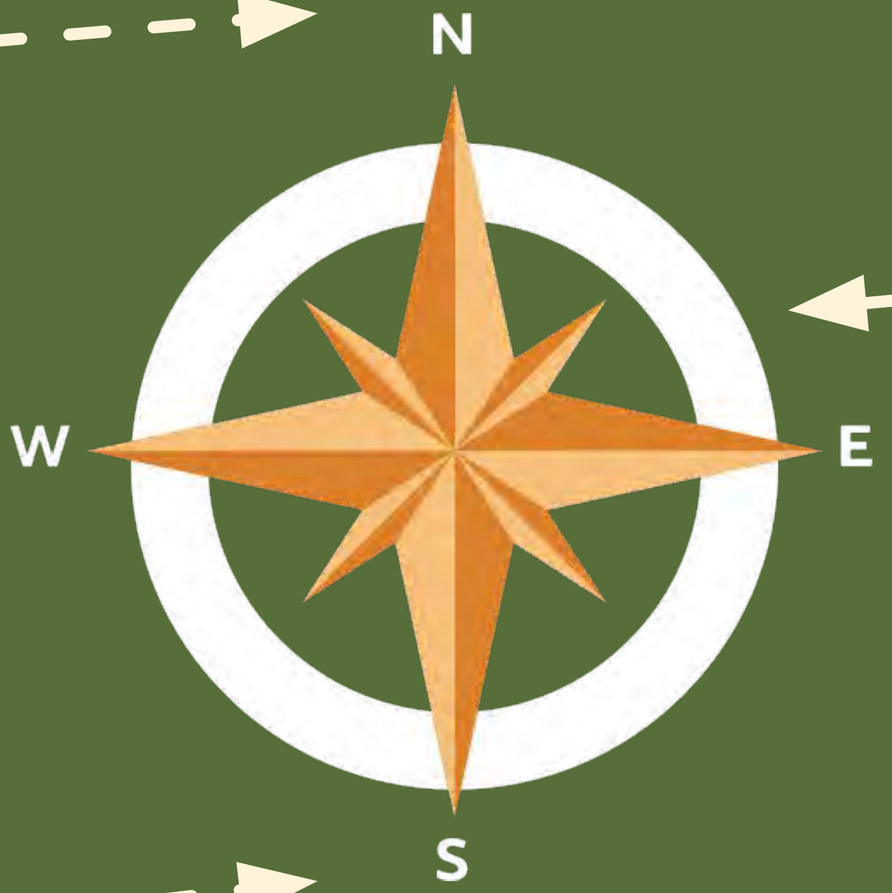




THE COMPASS

A compass is a device used in navigation.

The **compass needle** always points to the magnetic north. Unless going in another direction.



The **bearing** tells how many degrees away from the north or south. Traveling north means 0° bearing.

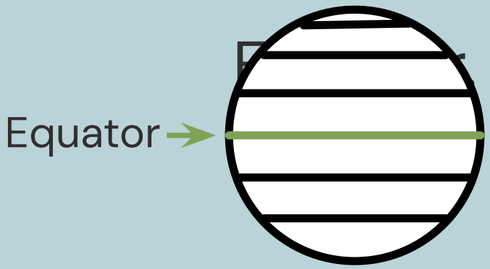
The letters are the cardinal directions.

LATITUDE AND LONGITUDE

Both latitude and longitude are measured in degrees(°).

Latitude

The horizontal imaginary lines that tell the location north or south of the

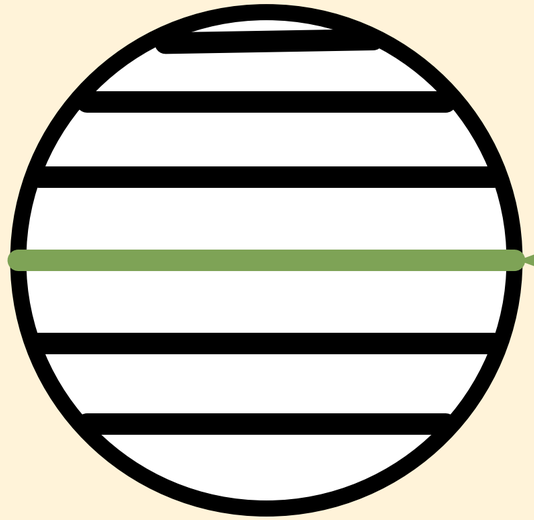


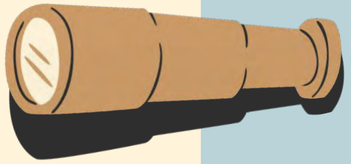
Longitude

The vertical imaginary lines that tell the location east or west of the Prime Meridian.

LATITUDE

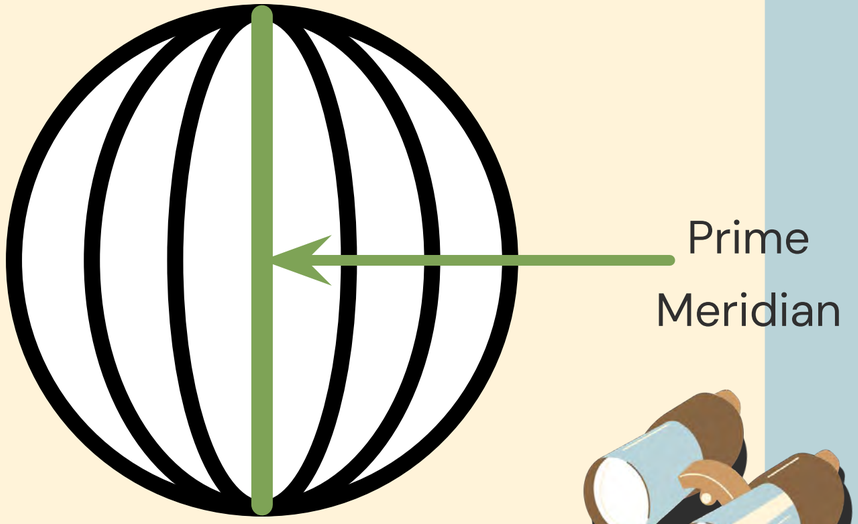
Lines of latitude
are **horizontal**
imaginary lines that
run East to West





LONGITUDE

Lines of longitude are **vertical.** Imaginary lines that run North to South.



Describe what you see

Mark down and label what you draw on your map

River

Treasure

Lak e

Mountain

MAP READING TIPS

1. Use the compass to know which direction you are facing: Hold it flat on the palm of your hand, and align the needle's magnetic arrow to the cardinal direction North.
2. When using a map, place it on a flat surface and place the compass on the map.
3. Use the cardinal directions, latitude and longitude to determine your exact location on a map.

Project

1. Your guardian or teacher will have a compass and lead your walk on the trail.
2. Each student will have a clipboard, pencil, and paper.
3. As you walk the campus trail, **draw** what you see, label it in your **legend,** and ask your leader **what the direction on the compass is.**
4. After you finish your map take a picture and email it to us!

Map of ASUMH trail