**Chapter 1.4 Classwork – Latitude and Longitude**

Chapter 1.4 discusses latitude and longitude. You will use the textbook pages 16 and 17 to complete this activity. You will use the map worksheet labeled “1.4 The Global Grid: Longitude and Latitude” alongside this activity. The map worksheet will be given to you.

**Task One:** Read through the textbook chapter 1.4 and write down the main idea of the section. (pg. 16)

**Main idea of chapter 1.4:**

**Task Two:** Complete the following using the textbook maps on page 16-17 and your map worksheet.

* Write the name of the parallel at 0 degree latitude
* Write the name of the meridian at 0 degree longitude
* Write the name of the parallel at 23.5 degrees North latitude and the name of the parallel at 23.5 degrees South latitude
* Write the name of the parallel at 66.5 degrees North latitude
* Label the city located a 47N, 71W
* Label the city located at 38S, 145E
* Label the city located at 41N, 29E
* Label the city located at 19N, 73E

**Task Three:** Answer the questions below. You will use both your map worksheet and your textbook pages 16-17 to answer these questions:

* Label the two cities located north of 15 degrees north latitude and east of 105 degrees east longitude on your map worksheet. Is locating a city using longitude and latitude points’ absolute or relative location? How do you know this?
* Using your map worksheet label the five cities located south of 30 degrees north latitude and west of 15 degrees east longitude
* Using relative (NOT absolute) location, describe where Rio de Janeiro is.
* Do latitude and longitudinal lines measure absolute or relative location? What is the major difference between absolute and relative location?

**Chapter 1.5 Classwork – Map Scale**

Chapter 1.5 discusses map scales and how to use different maps for different purposes. You will use page18 in the textbook and your map worksheet to answer these questions.

**Task One**: Locating distances using your map worksheet labeled “1.5 Dealing with Distances: Map Scale”.

* Find the distance between Washington D.C. and New Carrollton. Draw a line between the two places, and write the distance on the line.
* Find the distance between the Washington Monument and the Smithsonian Institution. Draw a line between the two places, and write the distance on the line.
* Find the distance between Potomac and College Park. Draw a line between the two places, and write the distance on the line.
* Find the distance between the Washington Convention Center and the National Portrait Gallery. Draw a line between the two places and write the distance on the line.

**Task Two**: Using approximate location identify where the following places are on your map worksheet.

* What will you find approximately 3 miles north of Falls Church? Draw a line between the two places and write the distance on the line.
* What will you find approximately .75 miles west of the National Portrait Gallery? Draw a line between the two places, and write the distance on the line.
* What will you find approximately 10 miles east of Alexandria? Draw a line between the two places, and write the distance on the line.
* What will you find approximately 1.25 miles southeast of the National Aquarium? Draw a line between the two places, and write the distance on the line.

**Task Three**: Critical thinking questions, answer the following questions based on page 18 in the textbook and your map worksheet:

* + Which map will help you find your friend’s apartment on New York Avenue? Why did you choose this map?
  + Which map will help you decide if you should walk or take a taxi to Washington D.C. from Arlington? Why did you choose this map?