

Unit Activities: Mapping the Earth

Name:

Block:

Unit Objectives

Understand the evidence of earth's shape

Use latitude and longitude

Determine latitude and longitude

Notes

- 1_____ Evidence of Earth's Shape
- 2_____ Latitude and Longitude
- 3_____ Determining Latitude
- 4_____ Determining Longitude

Base Assignments

(underlined assignments are mandatory)

- 5_____ -----Assignment 1: Due / / -----
Features of the Home Planet: (3 points)

- 6_____ -----Assignment 2: Due / / -----
Latitude, Longitude, and the Earth Science Reference Table: (3 points)

- 8_____ -----Assignment 4: Due / / -----
Finding Our Latitude: you will construct an astrolabe to determine Polaris' altitude (3 points- lab)

- 9_____ -----Assignment 5: Due / / -----
The Longitude

-----Assignment 6: Due / / -----

Choose 6 points

- 10_____ Book Work: (3 points) read Latitude and Longitude on Pp. 27-31 and complete study guide 2-1.
- 11_____ Flash Cards: (3 points) create flash cards using the following words- equator, latitude, longitude, meridians, prime meridian, poles, Polaris, degrees, minutes, parallels, map. The flash cards should be created out of index cards and include the word and definition on one side and a neat color drawing or diagram on the other side of the card.
- 12_____ Concept Map: (3 points) create a map using the following words- equator, latitude, longitude, meridians, prime meridian, poles, Polaris, degrees, minutes, parallels, map. We will review how to do this in class.
- 13_____ Web Site Activity: (3 points) Go to the Mapping Earth Unit on the class web site and follow the link How Do Latitude and Longitude Coordinates Help Us See Patterns on Earth? Complete the questions found on the worksheet.

- 14_____ -----Assignment 7: Due / / -----
Celestial Navigation: (5 points)

Problem Solving Assignment

- 15_____ Where Are We?: (extra point will be added to your quarterly average for a correct and complete solution)

Thematic Assignment

- 16_____ Places in the Global Warming Debate: (5 points)