Critical Thinking Skills

Mapping Skills with Google Earth™ Big Book

Mapping Skills with Google Earth[™] – PK-2 – Mapping Skills with Google Earth[™] – 3-5 – Mapping Skills with Google Earth[™] – 6-8 – All three

			Reading Comprehension					
Skills for Critical Thinking		Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	
LEVEL 1 Remembering	 Match Show or Label List Information Recall Details Find Information 	5 5 5		× ,	· · · ·	5 5 5 5		
LEVEL 2 Understanding	 Describe & Compare Summarize Explain Select 	× ×	1		5555	5 5 5	555	
LEVEL 3 Applying	 Organize Information Interview Apply Utilize Altnerative Research Tools (Google Earth) 	• • •	J J J	1 1 1	J J J	1 1 1	5 5 5	
LEVEL 4 Analysing	• Conclude • Analyze		55	5	55	1	5	
LEVEL 5 Evaluating	EvaluateCompare		s	5	>>	1	\$ \$	
LEVEL 6 Creating	• Design • Create	5	5	55	55	\$	5	

Based on Bloom's Taxonomy

NAME:



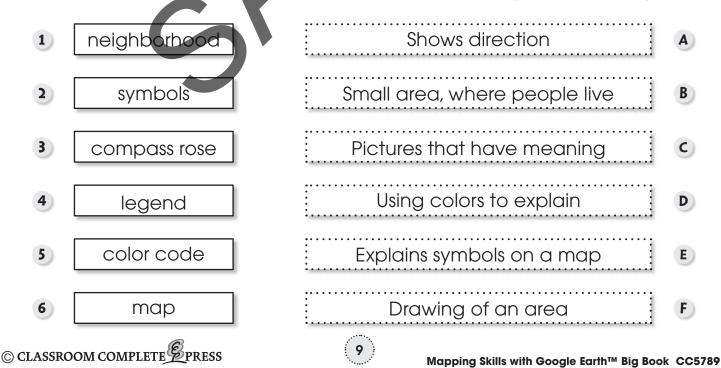
How to Read a Map

- 1. Look around the classroom and put a check mark (\checkmark) next to the answer which best describes the position of the item.
 - a) The teacher's desk is:
 - O A at the front of the classroom.
 - O B in the back of the classroom.
 - O C in the middle of the classroom.
 - O D in front of the windows.

b) My desk is:

- O A at the back of the class:
- O B at the front of the class.
- O C in the middle of the class.
- O D in the hall.

2. Match the word on the left to its definition on the right by drawing a line.



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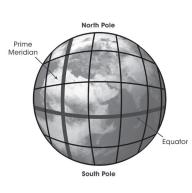




Latitude, Longitude and Time Zones AdvAdvAdvAdvAdvAdvAdvAdvAdvAdvAd vAdvAdvAdvAdvAdvA

n order that people, could accurately explain, where things were in the world, it was necessary to agree upon the location of an imaginary grid. After much debate, it was agreed that the **Prime Meridian**, 0 degrees longitude, would be at Greenwich, England.

From that point, the Earth is divided by 360 degrees, which make a full circle of imaginary lines. The Earth is divided North to South by 180 degrees. The Equator,



0 degrees latitude, runs around the middle of the Earth, and there are 90 degrees North and 90 degrees South.

By giving longitude and latitude coordinates, it is possible to state where anything is located on the surface of the Earth.

Time Zones

The Earth rotates around the Sun and spins on its axis so different parts of the Earth face the Sun at different times. Everyone agreed that when the Sun is straight up in the sky, it is noon. Different parts of the Earth have the Sun straight up in the sky at different times. The Earth is a circle

with 360 degrees. These degrees were divided by 24 (one hour for the 24 hours in a day). 360 degrees divided by 24 equals 15 degrees, which equals one hour. So, when it is noon at 0 degrees it is 1:00 pm at 15 degrees East and 2:00 pm at 30 degrees East.

Mapping Hint:

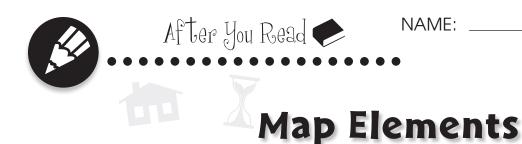
Remember longitude lines run long ways, from top to bottom, and latitude lines run from side to side, or East to West.

Explore with Google Earth™

Type your hometown into the search field. Click on "View" and "Toolbar" in the top navigation bar. Click the Sun image in the toolbar at the top of your screen and move the scale back and forth. What do you notice about the Sun's movement across the surface of the Earth as you adjust the time of day?







- 1. Type in the coordinates listed below into the search field in Google Earth™. Write the name of the country found at that location on the line provided.



2. Type in the coordinates **listed** below into the search field in Google Earth™. Write the name of the bodies of water found at that location on the line provided.



3. What are the coordinates for the Appalachian Mountains and the Rocky Mountains?



NAME:

Latitude, Longitude and Time Zones

Look at the map of the United States. In 1850, John and his family left New York, to look for gold in California. Answer the following questions by using the map. Remember: each line of longitude equals 15 degrees, which equals one hour.

Map Activity 🥐

