



Critical Thinking Skills



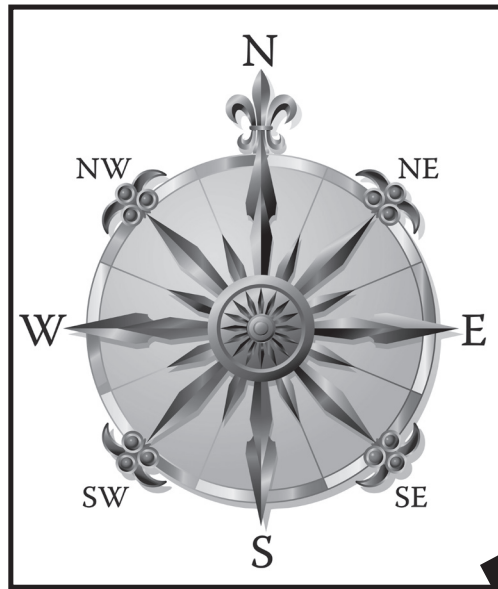
Mapping Skills with Google Earth™

Skills for Critical Thinking		Reading Comprehension					
		Basics of Map Reading	Latitude, Longitude and Times Zones	Mapping Geographical Features	Mapping Cultural Features	Map Your Country	Map the World
LEVEL 1 Remembering	<ul style="list-style-type: none"> Match Show or Label List Information Recall Details Find Information 	✓		✓	✓	✓	✓
		✓	✓	✓	✓	✓	
LEVEL 2 Understanding	<ul style="list-style-type: none"> Describe & Compare Summarize Explain Select 	✓	✓	✓	✓	✓	
		✓	✓	✓	✓	✓	
LEVEL 3 Applying	<ul style="list-style-type: none"> Organize Information Interview Apply Utilize Alternative Research Tools (Google Earth) 	✓	✓	✓	✓	✓	
		✓	✓	✓	✓	✓	
LEVEL 4 Analysing	<ul style="list-style-type: none"> Conclude Analyze 		✓	✓	✓	✓	
			✓	✓	✓	✓	
LEVEL 5 Evaluating	<ul style="list-style-type: none"> Evaluate Compare 		✓	✓	✓	✓	
			✓	✓	✓	✓	
LEVEL 6 Creating	<ul style="list-style-type: none"> Design Create 			✓	✓	✓	
				✓	✓	✓	

Based on Bloom's Taxonomy



Basics of Map Reading



Direction

A **compass** is an instrument that shows which direction you are facing. A **compass rose** is a drawing that shows arrows pointing in several directions. It shows you where the *cardinal directions* are (North, South, East and West). It also shows you where the **intermediate directions** are (North East, South East, North West and South West).

Scale

The **scale** on a map shows you how much distance on the map equals how much distance on the Earth. For example, a scale of 1 inch = 1 mile or 1 cm = 1 km means that 1 inch or 1 centimeter on the map equals 1 mile or 1 kilometer on the Earth. Therefore, if something is 2 inches or 2 cm away on the map, it is actually 2 miles or 2 km away in real life. People use scales on a map to calculate the **distance** between two places.

To measure the actual distance between two places, you have to use a ruler and a scale. However, this method will only give you a straight-line distance between two points. If you wish, for example, to find the distance traveled by road between two points, you have to use string to trace the route. Then, place the string along the scale and measure.

Mapping Hint:

Straight line distances are also known as, 'as the crow flies.'

Explore with Google Earth™



Type in your hometown in the search field. Click on "View" in the top navigation bar and scroll down to "Scale Legend." Measure the length of the line. What is it? What is the number in the middle of the line? Try zooming in and out. What happens to the scale?



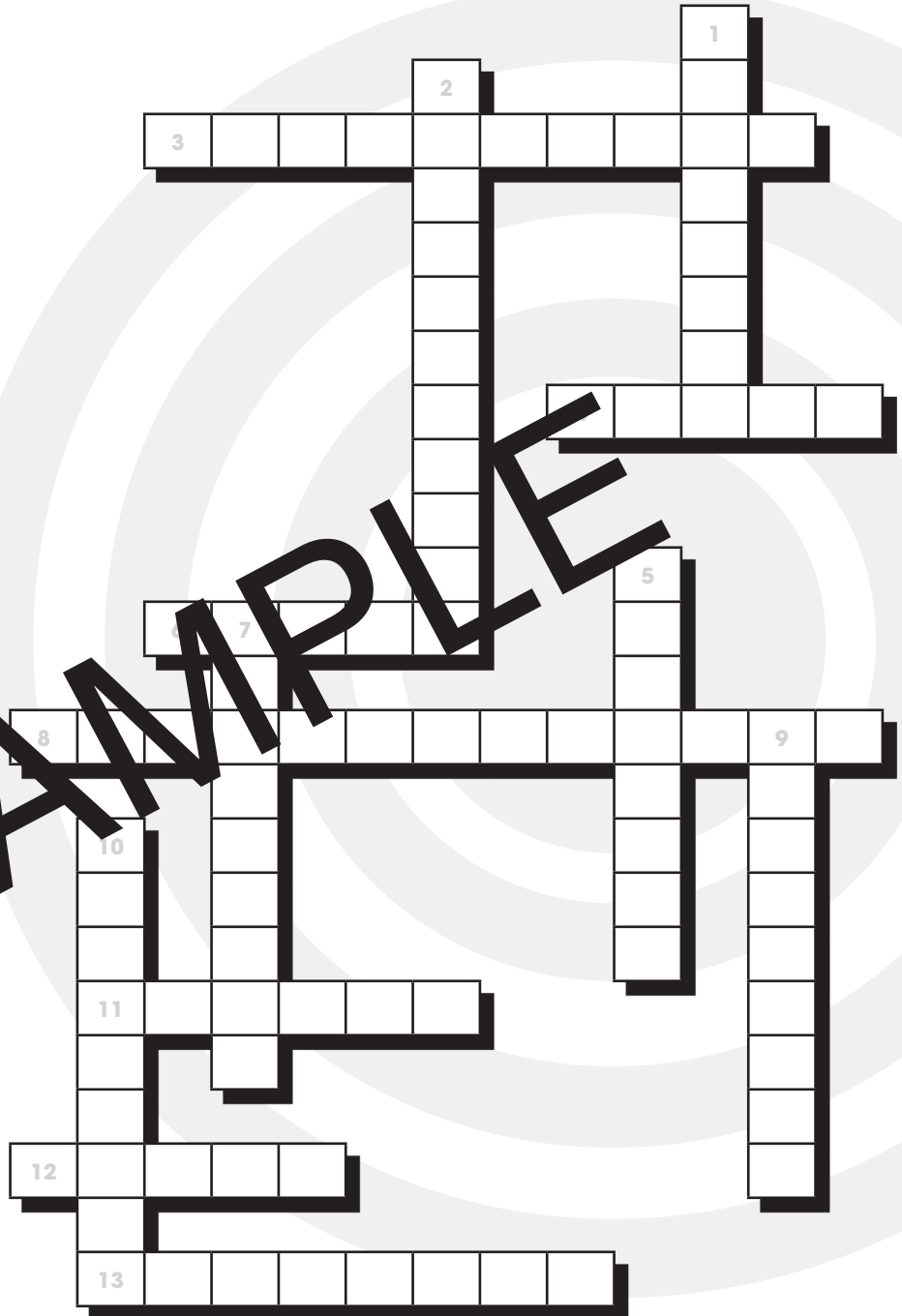
Crossword Puzzle!

Across

3. Maps that can be used to compare different regions and compare information, known as data.
4. If contour lines are close together on a map, it means the hill is _____.
6. A tool that shows what the distance on the map equals on the ground.
8. 0 degrees longitude.
11. The person who wrote the map.
12. The name of the map.
13. The elevation half way between low and high tide.

Down

1. An imaginary line on the Earth, which travels horizontally around the globe.
2. A diagram on a map which shows direction.
5. The main directions are called _____ directions.
7. A group of people who share common interests, characteristics and experiences.
9. Urban communities have more of these than rural communities. They include hospitals and libraries.
10. The mnemonic that helps you remember, everything you need to place on a map.



Word List

- | | | | |
|------------|--------------|----------------|-----------|
| amenities | community | prime meridian | steep |
| author | compass rose | scale | title |
| cardinal | latitude | sea level | totalsigs |
| choropleth | | | |



Time Zones

