

**Chapter 10: Kenya**  
*Internet Activity*

In this lesson, you will learn about standard of living in Kenya, Nigeria, and South Africa. You will use a spreadsheet program to create tables and graphs demonstrating the differences between the countries and how literacy rate, government spending on education, and other factors can influence a country's standard of living.

**Part 1: Background Information**

**Directions:** Read the first page and first paragraph of the second page of the following website to learn more about standard of living in Africa - <http://bit.ly/kenya01>. Then, answer the questions below.



- 1) What are three things that make it difficult for children in Africa to receive a high-quality education?

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- 2) Based on the reading, how are literacy rate and standard of living related? What kind of standard of living would you expect to see in a country with a low literacy rate? \_\_\_\_\_

\_\_\_\_\_

- 3) Why do more boys attend school and learn how to read in impoverished areas of Africa?

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**Part 2: Gather Information and Create Tables**

1. Open your spreadsheet program and create a new sheet. In cell A2, type the word Country, then type the names of the countries and categories as shown in the picture.

	A	B	C	D	E
1	<b>Literacy Rates</b>		<b>Total</b>	<b>Male</b>	<b>Female</b>
2	<b>Country</b>	Kenya			
3		Nigeria			
4		South Africa			
5		World			

2. Directions: Go to <https://www.cia.gov/the-world-factbook/countries/>. Scroll down to the alphabet, select "W" and then select "World". Scroll down to the "Contents" on the left. Select "People and Society". Scroll to "Literacy". Write the percentage for the total population, male, and female percentages. Read the "note". Do the same for Kenya, Nigeria, South Africa.

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- Fill in your cells with the information. Be sure to write the % sign after each number.
- Select the cells from A1 to E5 by clicking & holding, then dragging your mouse to E5 and releasing. You should notice the cells are highlighted.
- Next, choose Insert from the menu and select a vertical bar chart. Make sure the data looks correct in your chart. You should see 4 bars for each country.
- Edit your chart's title to be "Literacy Rates" and spend a few minutes with colors, sizes, and layout options to make your graph look nice.

A	B	C
		% of GDP spent on education (2019)
Country	Kenya	
	Nigeria	
	South Africa	

- Use the "+" button to open a new tab on your spreadsheet. Format your rows and columns to look like the screenshot above.
- Using the Knoema World Data Atlas (<https://knoema.com/atlas>), choose Kenya, scroll down to select education. "Indicators" should be underlined, then scroll to Expenditures on Education, then pick the report titled "Expenditure on education as a share of GNI". Repeat the process for the other 2 countries to complete the table.
- Following steps 3-5 above, choose a different type of bar chart than you picked for the first data table. Title your graph "Education Spending".
- Repeat the process of creating a new tab and table for Gross Domestic Product. Continue using Knoema World Data Atlas. Under "Expenditures on Education", select "public spending on education as a share of GDP". Be sure to include "World" as well.
- Follow your teacher's instructions about how to turn in your finished file. Then, use your completed tables and graphs to answer the questions below.

### Part 3: Data Analysis Questions

- Which country had the highest overall literacy rate? \_\_\_\_\_ Which had the lowest? \_\_\_\_\_
- Which country invests the most in their educational system? \_\_\_\_\_ How do you see this reflected in their standard of living, as measured by the country's Gross Domestic Product? \_\_\_\_\_  
\_\_\_\_\_
- Knowing that greater spending on education typically produces higher literacy rates, what surprised you about the literacy rates of the three countries? \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

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