

- Connecting Science, Technology and Society
- Human population growth differs dramatically country by country

10,000 years ago the total human population was about 3 million people, most of them hunters.

The development of farms provided food and as a result the human population increased to one billion (1,000,000,000) in 1840.

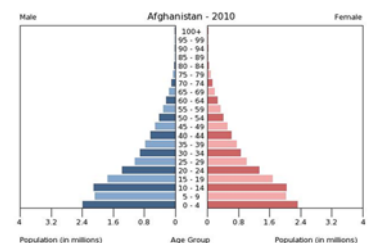
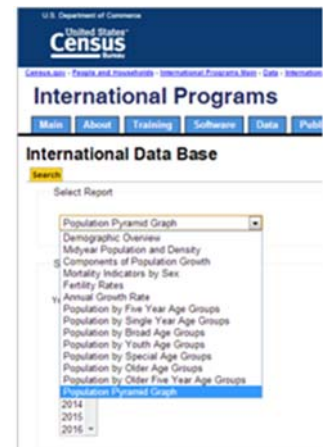
The use of technology and medicine reduced the death rate and increased the birth rate.

Depending on how much technology a country can afford the human population changes country by country.

Your job is to design a presentation using PowerPoint to compare the population of an underdeveloped country to a developed country.

Interpreting Population Data

1. Open **PowerPoint** on your computer
2. Save as to your student number (click computer to find your number)
3. Leave PowerPoint open and open chrome
4. Go to the U.S. Census Bureau: www.census.gov
5. In the right corner use the **search box** to find the “**international database**”.
6. Click the link for the international database
7. From the **select report** menu select **Population Pyramid Graph**
8. Under the select report menu is the **Select Year** menu.
9. Click on the year **2010** in the Select Year(s) box.
10. Using the **first letter of your last name** select one **country** from the list on the right.
11. Click submit.
12. You should now see a page with graphs that look something like this →
13. Copy the graph onto a slide in PowerPoint.
14. Use the back arrow to return to the International Data Base
15. Change the year to 2025
16. Click submit.
17. Copy the graph onto a slide in PowerPoint.
18. Use the back arrow to return to the International Data Base and the united states or japan
19. Copy the graphs for 2010 and 2025 onto new slides in your presentation.
20. Use the internet to find a map for each of your countries and copy them into your PowerPoint
21. Use the template to create your presentation.



1. Compare and contrast the shapes of the population pyramid graphs in 2010 for the developed and underdeveloped countries that you selected.
2. Compare the changes in populations of both countries from 2010 to those projected to 2025.

Factors Affecting Population Changes

1. Use the Country Reports resource in the Student Research Center in the ICONN Database *iconn.org* and the CIA world fact book to research and describe **three factors** that impact the health of the human population in the underdeveloped country you studied.
2. Research and explain how one technological advance might improve the health of the human population by 2025 in the underdeveloped country you studied. Is the advancement of technology a positive or negative influence on population dynamics? What is your evidence?
3. Be sure to make your last slide a works cited for all of the sources that you used in your research.

You must email me your completed project by: _____

Works Cited Sheet

Website Example:

Cite Your Maps
Map 1

Title (or description) of image, photography or diagram.	<i>website title italics</i>
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Access Date	Electronic address (URL) in angled brackets
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Map 2

Title (or description) of image, photography or diagram.	<i>website title italics</i>
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Access Date	Electronic address (URL) in angled brackets
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Population Graphs

Human Population Pyramids. *US Census Bureau International Data Base*. Web. 19 Sept. 2014. <<http://www.census.gov>>

Human Population Dynamics



Name:	Period:
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This analytic rubric is used to verify specific tasks performed when researching and presenting your project. If the task has been successfully completed, all points are awarded. If the task is incomplete or contains factual errors half points may be awarded. No points are awarded if the task is not attempted or if too many errors are made.

Category	Scoring Criteria	Points	Student Evaluation	Teacher Evaluation
Information 30 points	The location of each country is shown on a map near the beginning of your presentation	6		
	Compare and contrast the shapes of the two country's population pyramid graphs for 2010	6		
	Compare and contrast the shapes of the two country's population pyramid graphs for 2025	6		
	Compare the changes in populations of the developed country from 2010 to those projected to 2025.	6		
	Compare the changes in populations of the underdeveloped country from 2010 to those projected to 2025.	6		
Analysis 18 points	Three factors that impact the health of the human population	9		
	One technology that would improve the health of the underdeveloped country	3		
	Presentation demonstrates the application of the most current information. Information is presented in your own words, not cut and pasted from research sources.	6		
Population Graphs 20 points	A Population Pyramid Graph for an underdeveloped country for the year 2010	5		
	A Population Pyramid Graph for a developed country for the year 2010	5		
	A Population Pyramid Graph for an underdeveloped country for the year 2025	5		
	A Population Pyramid Graph for an developed country for the year 2025	5		
Presentation 15 points	Title slide contains the names of the countries and your name & period	5		
	Information is presented in a logical sequence	5		
	Presentation slides are neat, easy to read from the back row	5		
Works Cited 12 points	The last slide of your presentation contains properly formatted citations for your project.	12		
Evaluation 5 points	Students are expected to honestly evaluate their own work prior to turning in their assignment.	5		
Score	Total	100		
Deadline	All turned-in assignments must be complete by the assigned deadline. Anything received after the deadline will receive 3/4 credit.			