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| **Canadian Geography** | **Cgc1di** |

**Unit 2: Human Systems: Essential Learning**

Task: Working in partners, compare and contrast the demographics of Canada with two other countries (one developed and one developing).

**Requirements:**

**Part 1**

1. **Population Pyramid Creation**

Using the United States Census Bureau International Data Base, construct a data table for the population of your countries. Make sure to put your data in a chart with categories for Age Cohort, Percentage Male, and Percentage Female. Blank population pyramids can be printed from www.phsgeography.weebly.com

 <http://www.census.gov/population/international/data/idb/informationGateway.php>

* Once you have your data, construct a population pyramid by hand. Make sure you pyramid is fully labeled.
* Compare and contrast the data from both population pyramids. This should include pyramid type, dependency load, life expectancy, and future trends.
* How do these pyramids compare to Canada in 2012?
1. **Demographic data collection**

For the following requirements, you are required toshow the specific formula, all variables and all calculations for each country.

Population density (Density = Population/Area

Natural Rate of Increase (NIR = CBR – CDR)

Net Migration Rate (M.R = Net Immigration – Net Emigration)

Growth Rate (G.R. = NIR + N.M.R/10) this is communicated as a percentage

Doubling Time (D.T. = 70/G.R. as a percentage)

1. **Collect data for:**
2. Life Expectancy
3. Infant Mortality Rates
4. Literacy Rates
5. Ethnicity
6. Languages spoken
7. Religious groups

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| **Criteria** | **Formula** **(if applicable)** | **Country #1****\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Country #2****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Population** |  |  |  |
| **Area** |  |  |  |
| **Population Density** |  |  |  |
| **Infant Mortality Rate** **(IMR)** |  |  |  |
| **Crude Birth Rate****(CBR)** |  |  |  |
| **Crude Death Rate****(CDR)** |  |  |  |
| **Natural Rate of Increase****(NRI)** |  |  |  |
| **Net Migration** |  |  |  |
| **Growth Rate** |  |  |  |
| **Doubling Time** |  |  |  |
| **Life Expectancy** |  |  |  |
| **Literacy Rates** |  |  |  |
| **Ethnicity**  |  |  |  |
| **Languages** |  |  |  |
| **Religious Groups** |  |  |  |

**Graphic Organizer**

**Part 2: Communication of your Data**

For this section of the assignment, you and your partner will be presenting your results to the class as a PowerPoint.

Your power point should include:

* all aspects of your research from Part 1.
* Analysis, which includes
	+ which of the two countries you have researched is most like Canada and why.
	+ This means you will have to do a little bit of extra research on the countries to see why I.M.R. or C.B.R. are different than (or similar to) Canada.
	+ You may also make inferences on ethnic, religious, or linguistic considerations to support your conclusions
	+ You will need evidence to back up your conclusions.

Time Frame: 5-10 minutes

Presentation Dates- To be announced

**PART 3 - BOOKLET**

Hand in a booklet of your research materials that includes the following:

1. A Title Page
2. Raw population pyramid data
3. Completed population pyramids for both countries researched
4. Graphic organizer – completed
5. Specific calculations organized and completed on a separate piece of paper
6. A copy of your power point, printed off with 6 slides per page.
7. A Works Cited page

Student Choices

|  |  |
| --- | --- |
| **Developed Countries** | **Developing Countries** |
| USA | **Chad** |
| **United Kingdom** | **Brazil** |
| **France** | **Mexico** |
| Germany | **Papua New Guinea** |
| **Australia** | **Iran** |
| **New Zealand** | **Turkey** |
| **Japan** | Iraq |
| **Finland** | **Afghanistan** |
| **Italy** | Algeria |
| **Poland** | **Thailand** |
| **Netherlands** | **Malaysia** |
| **Spain** | **Democratic Republic of Congo** |
| **Belgium** | **Somalia** |
| **Switzerland**  | **Haiti** |