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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. Make sure your pyramid is fully labeled.
* Compare and contrast your group’s population pyramids. Your analysis should include pyramid type, dependency load, life expectancy, and possible 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. Don’t forget to include your units!

Population density (Density = Population/Area)

Natural Rate of Increase (NRI = CBR – CDR)

Net Migration Rate

Growth Rate as a percentage (GR% = NRI + NMR/10)

Doubling Time (D.T. = 70/GR%) – remember that your answer is in **years**

1. **Now collect data for and put it into your graphic organizer:**
2. Life Expectancy
3. Infant Mortality Rates
4. Literacy Rates
5. Ethnic groups
6. Language groups
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 IMR or CBR (for example) 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 so make sure you **CITE YOUR WORK!!**

Time Frame: 5-10 minutes

Presentation Dates- To be announced

**PART 3 - BOOKLET**

Hand in a booklet that includes the following:

1. A Title Page
2. Raw population pyramid data (i.e. the table with your population data)
3. Completed population pyramids for both countries researched
4. Graphic organizer – completed
5. Specific calculations organized and completed **neatly** on a separate piece of paper
6. Pie Chart for either Languages, Ethnicity, or Religious groups (plus calculations)
7. A copy of your power point, printed off with 6 slides per page (grey scale)
8. A References page

Student Choices

|  |  |
| --- | --- |
| **Developed Countries** | **Developing Countries** |
| South Africa | Chad |
| United Kingdom | Bangladesh |
| 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 |
| Iceland | Pakistan |
| USA | Bhutan |