The Story Behind the Data - Summative

What can we notice about a country’s average size of a family and their average life expectancy? Is it true to say that smaller families increase the life expectancy of a country?

Task:

- Access the Gapminder site and click on the “Gapminder World” tab near the top.

- Click on the ‘Open graph menu’ tab on the left

- Select ‘Smaller families and longer lives’ under Global Trends

- Play the graph from the year 1900 to the most recent year. Look for trends and

anomalies in the data being presented. Tell the overall story of the graph’s data and

then choose a few leading countries and some outlier countries and tell their story

over time.

- Write a report on the story that the data tells. Make sure your report is organized

under subheadings appropriate to your chosen countries. Include relevant screen shots.

- Your report should be approximately 1000 words long and include research data to

back up your interpretation of the data.

- It is advisable to watch the TED talk from Hans Rosling regarding this data and to use

it as a guideline to your own report. Do not just copy his story, be creative but

accurate!

- It is advisable to watch the short tutorial, found by selecting the ‘How to use’ tab

above the graph.

Application

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| --- | --- | --- | --- | --- |
| Criteria | Level 4 | Level 3 | Level 2 | Level 1 (at least 50% |
| - makes connections between data and real world events | Makes connections very effectively | Makes connections effectively | Makes some connections | Makes limited connections |

Thinking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Criteria | Level 4 | Level 3 | Level 2 | Level 1 (at least 50% |
| - interprets and analyses trends in data  - justifies interpretation with viable research | Very effective interpretation and analysis.  Always justifies interpretation with viable research. | Effective interpretation and analysis.  Usually justifies interpretation with viable research. | Reasonably effective interpretation and analysis.  Sometimes justifies interpretation with viable research. | Limited interpretation and analysis  Rarely justifies interpretation with viable research. |

Communication

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| Criteria | Level 4 | Level 3 | Level 2 | Level 1 (at least 50% |
| - logical organization  - clarity  - correct terminology | Very clear and organized  Correct terminology always used | Clear and organized  Correct terminology usually used | Reasonably clear and organized  Correct terminology sometimes used | Limited clarity and organization  Correct terminology rarely used |