

STATISTICS MAJOR UNIT PROJECT

Now it's time to show me what YOU can do. Your job is to make statistics stunning for all to see!

Step 1) Research Statistics (10-15 min)

Using whichever resource you choose (internet, magazines, books), research and record statistics that pertain to one specific issue. Two great websites include:

Statistics Canada: <http://www.statcan.gc.ca>

Statistics Canada – Social Justice: http://www.statcan.gc.ca/edu/edu05_0022-eng.htm#link01

Make sure you select an issue or subject that is exciting to YOU! When you have found your information, write down your topic and website below.

Topic: _____

Source: _____

Step 2) Record the Information (15 min)

Using technology, create a chart that clearly labels the information you selected. You do not have to use EVERY number from the data provided – as long as it is a comprehensive analysis.

Step 3) Creating a Graph (20 min)

Create an **UNBIASED GRAPH** using your information. Use your notes to recall all the attributes of an unbiased graph. You may use ANY graph format that you want. However, you should be careful to use graphs that match your data.

Step 4) Creating Biased Graphs (30 min)

Change each graph to create a **MAXIMIZED** and **MINIMIZED** graph. Briefly explain the perspective each graph implies, along with who would be interested in creating such a graph.

Step 5) Mini-Poster (40 min)

Choose ONE (1) of the three graphs you made and create an 8.5 x 11 poster with the graph in the middle. Surrounding this graph, you must include facts (minimum 5) interpreted from your graph that emphasize your biased or unbiased perspective.

**see the next page for a sample of what your project must look like and include. A rubric is also included.*

Sample Project Format:

Name	TITLE	Date										
Introduction (complete sentences)												
4	<ol style="list-style-type: none"> Topic for your project. Explain why it interests you. Source of information. Explain why it is a reliable source. 											
Data (table completed with technology)												
2	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>											
1												

8	Unbiased Graph (using technology)
<div style="border: 1px solid black; width: 100%; height: 60px;"></div>	
- 3 points explaining why it is an unbiased graph.	
8	Maximized Graph (using technology)
<div style="border: 1px solid black; width: 100%; height: 60px;"></div>	
- 3 points explaining why it is a maximized graph.	
2	

8	Minimized Graph (using technology)
<div style="border: 1px solid black; width: 100%; height: 60px;"></div>	
- 3 points explaining why it is a minimized graph.	
Reflection	
3	<ol style="list-style-type: none"> Was creating graphs with technology easy or difficult? Which graph type did you choose to represent your information? Why? Name two types of math that we used in this project.
3	

Poster TITLE	
Info	Facts
Info	Info
Facts	Facts
Info	Facts
Facts	Info
Info	Info
Facts	Facts
Chosen Graph	
<i>minimum 5 facts!</i>	
4	

Total: _____
40