

**Graph Components Rubric**

- 4 Graph displays information in a way that exceeds the grade level standards/skills, often evidenced through the graph design, added descriptions, labelling and mathematical analysis involved.
- 3 Graph displays all the required elements of the graph type correctly and neatly.
- 2 Graph is well constructed, but with minor mistakes in format or neatness that do not necessarily reflect major misunderstandings to graph construction.
- 1 Graph is missing some important parts or is not constructed in a way that reflects acceptable neatness or effort.

**Graphing Concept Rubric**

- 4 Graph choice and design exceeds the grade level standards/skills, such as displaying a challenging data set(s) in a graphical way that provides clarity and easy identification of patterns in the data without bias.
- 3 Choice of graph type and its design demonstrates a strong understanding of the use of each graph, the types of data and how data can be represented in a meaningful way on a graph.
- 2 Choice of graph type may not be the best for the data set but the pattern may still be visible or an appropriate graph is chosen, but the design suggests misconceptions about the purpose of the graph. The organization of the data table and calculations to prepare data may result in inaccurate patterns on the graph. In grade 7/8 the graph may be biased, exaggerating the difference between data points.
- 1 Graph choice and design does not provide enough evidence for understanding of the reasons to choose a particular graph or design a graph that clearly represents the type of data in a clear and meaningful way.

<b>Graph components</b>
Axes
Labels
Units
Appropriate scale
Even interval
Data plotted correctly
Correct choice of graph type
A strong title mentioning both variables
Independent variable placed in x-axis
Dependent variable on y-axis
Graph plotted in pencil or on computer
Use of color is meaningful /does not lead to bias
Key if needed
Margins provided around entire edge of paper
Neatness (ruler used)
Heading