Science Graphing Rubric

Area	Exceeds the Standard	Meets the Standard	Progressing Toward the Standard
Type, scale, range	Uses proper type of graph that best depicts data, Range allows for analytical interpretation, Scale allows the graph to cover at least ¾ of the paper.	Uses proper type of graph that best depicts data, Range allows the data to fit comfortably on the graph, Scale allows the graph to cover at least ½ of the paper.	Uses improper type of graph that best depicts data. Range is simple starting with zero, Scale allows the graphe to cover less than half of the paper.
X axis	Same as Meets Standards	Independent variable labeled with units of measure neatly organized along horizontal axis without crowding numbers and numbers clearly associated with line on graph.	Independent variable labeled with units of measure that are crowded and difficult to read, **or** May have wrong variable plotted **or** missing units of measure **or** unclear association with numbers and graph lines
Y axis	Same as Meets Standards	Dependent variable labeled with units of measure neatly organized along vertical axis without crowding numbers and numbers clearly associated with line on graph.	Dependent variable labeled with units of measure that are crowded and difficult to read, **or** May have wrong variable plotted **or** missing units of measure **or** unclear association with numbers and graph lines
Mechanics	Uses ruler, connects lines, use of color makes graph easier to read, uses Excel or other digital means to generate graph, Data fits on graph with no additional columns or rows necessary	Uses ruler, connects lines, use of color makes graph easier to read, data fits on graph with no additional columns or rows necessary	May connect the lines wrong,uses limited or no color.
Title, Key/Legend	Uses a legend/key when needed, title cites independent and dependent variable.	Uses a legend/key when needed, title attempts to cite independent and dependent variable.	Legend/key missing **or** title does not cite independent and dependent variable
Descriptive Analysis	Describes patterns seen in graphed data using numerical data to support claims and defines any relationships between the independent and dependent variable, provides a prediction of ungraphed data trends based on the graphed data.	Describes patterns seen in graphed data using numerical data to support claims and defines any relationships between the independent and dependent variable.	Describes simple patterns seen in graphed data and predictions or relationships between independent and dependent variables are not present.

Resource:

http://nces.ed.gov/nceskids/createagraph/default.aspx?ID=f3b73716744343faa1e738ee80eaaf8c