

Statistics Extra Credit Project

~ 2 points earned for each COMPLETE section.

~ **Due on or before April 28!!!**

- 1) Collect a data set of at least 20 items (must get teacher approval for topic)
- 2) Write a summary of what your objective is for collecting this data. Use complete sentences.
- 3) Calculate the following:
 - a) Mean
 - b) Median
 - c) Mode
 - d) Range
 - e) Lower quartile
 - f) Upper quartile
 - g) Inner quartile range
 - h) Standard Deviation
- 4) Display your data in the following ways:
 - a) Stem & Leaf Plot
 - b) Line/Dot Plot
 - c) Box & Whisker Plot
- 5) Write a summary of your data. Use complete sentences. What did you find out? How did any your findings surprise you?