Project: PBL on Descriptive Statistics

Time Frame: 3 Weeks

State Date: Monday - October 27, 2014

Due Date: Friday - November 14, 2014

In this project you will be creating an experiment to collect and analyze data. You will create two specific graphs from the data you collected.

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| Box-And-Whisker Plot Rubric | | | | |
|  | Novice  (Just Beginning) | Apprentice  (Moving Forward) | Practitioner  (You Got It!) | Expert  (Going Above & Beyond) |
| 5 Number Summary  Minimum Value  Lower Quartile  Median  Upper Quartile  Maximum Value | 4 Values are incorrect | 2-3 Values are Incorrect | 1 Value is Incorrect | All Values are Correct on the data found. |
| Neatness and Attractiveness | Appears messy and “thrown together” in a hurry. Lines are visibly crooked | Lines are neatly drown but the graph appears quiet plain. | Neat and relatively attractive. A ruler and graph paper (or graphing program) are used. | Exceptionally well designed, neat, and attractive. Colors used and make the graph more readable. A ruler and graph paper (or graphing program) are used. |
| Accuracy of Plot | Points are not plotted correctly or extra points were included. | All points are plotted correctly. | All points are plotted correctly and are easy to see. | All points are plotted correctly and are easy to see. A ruler is used to neatly connect the points or make the bar. |
| Conclusion | One or two incorrect conclusion(s) based on the information found and manipulated | One decent conclusions made based on the information found and manipulated | Decent conclusions are drawn based on the information found and manipulated. | Outstanding and meaningful conclusions (2) are drawn based on the information found and manipulated. |