Baldivis Secondary College
Teacher:
Year 7 2016 Statistical Investigation Rubric, Term 3
(What) My Topic is:

Group Name:

Week 5 Due: Week 10
/25

(Why) My Rationale for choosing this is ... Clarity of the message	**A (5)** Are the objectives, results, research questions & hypothesis clear and set out logically?	**B (4)** Are the results and conclusions clear and understandable, set out logically?	**C (3)** Understandable, with an hypothesis and results present. Poster is set out well.	**D (2)** Poster has results and hypothesis present.	**E (1)** Made poster but missing key information.
Data Collection (How)	Discusses different options for data collection, explaining which option is more suitable for project. Collects data from an accurate and reliable unbiased source. References the sources(s) correctly.	Lists different options for data collection methods when selecting unbiased data. Collects data from a reliable unbiased source. References the sources correctly.	Collects numerical data, from an unbiased source. References the source and why it is unbiased.	Selects unbiased data source. Collects data from sources for unbiased source but fails to reference the source. considered.	Students get usable data, but source is biased. Students collect data that is irrelevant to the study and provides no reference to the source.
Analysis and Conclusions	Extracts relevant information from data displayed in multiple ways to calculate Mean, mode, median & range. Interprets them & compares data sets.	Interprets the results in the context of the data. Predicts & explains the influence of identified issues on its analysis. Calculates the mean, mode, median & range for data sets.	Calculates the mean, mode, median & range for data sets.	Calculates the mean, mode, median & range for A simple data list with some errors.	Calculate the mean & range for a simple list of data.
Graphs & tables	Mentions reliability, background data & suggests improvements. Outliers mentioned.	Justifies results With issues identified that may affect reliability & suggests improvements. May mention outliers.	Justifies the results with possible issues identified. Discussion included in Conclusion.	Justifies the results with errors. Gives a discussion in Conclusion.	Attempts to justify the results. Includes a Conclusion.
Presentation of Data/ Creativity/ Importance	More than one appropriate data display & explains choice. Creativity/ X- factor attractiveness.	Uses more than one appropriate data display with some rationale for choice. High standard of presentation.	Displays data correctly using a graphical display. Constructs dot plots or stem & leaf to display numerical data. Neat & Legible.	Uses a graphical display with some mistakes. Constructs dot plots & Stem & leaf with assistance.	Attempted a graphical display, ie dot plots to display numerical data.