**Rubric – Paper Airplane Activity (Data Management)**

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| Assessment Category | Level 1 | Level 2 | Level 3 | Level 4 |
| Knowledge & Understanding | | | | |
| * Designs appropriate data collection methods * Collects and organizes data in appropriate space and tables * Represents data using a frequency table * Represents data in an appropriate graph to display measuring flight in time (s) * Determines the mean, median, mode, and range in a set of data | limited  limited  limited  limited  limited | some  some  some  some  some | considerable  considerable  considerable  considerable  considerable | thorough  thorough  thorough  thorough  thorough |
| Thinking | | | | |
| * Makes strong predictions and relations based on the data gathered * Makes convincing arguments based on data gathered * Creates a plan of action for displaying data collection and for conducting the experimented * Identifies and deciphers trends when analysing data | limited  limited  limited  limited | some  some  some  some | considerable  considerable  considerable  considerable | thorough  thorough  thorough  thorough |
| Communication | | | | |
| * Explains mathematical thinking * Communicates using complete and full sentences to justify answers about the data * Uses appropriate vocabulary and mathematical terminology | limited  limited  limited | some  some  some | considerable  considerable  considerable | thorough  thorough  thorough |
| Application | | | | |
| * Applies data management skills in familiar contexts * Transfers knowledge and skills to new contexts * Makes connections among concepts | limited  limited  limited | some  some  some | considerable  considerable  considerable | thorough  thorough  thorough |