**Science Experiment 6/7**

**(some teachers like to put this grid on a whiteboard or posted on a large piece of paper so students can check off each milestone the students have completed)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Questioning &  Predicting | | Planning & Conducting | | | | | | Processing & Analyzing | | Evaluating | | Applying / Innovating | Communicating | |
|  | 1. What are you curious about? Make some observations. | 1. Make a prediction about a testable question or create an hypothesis (if… then…) | 1. Plan your investigation | 1. Which variable should be changed? | 1. Choose appropriate data to collect and make a plan for recording it. | 1. Identify equipment to use, identify potential safety risks? | 1. Get your teacher to approve your plan for safety | 1. Complete your experiment | 1. What patterns and connections do you see in your data? | 1. Compare data with predictions | 1. Evaluate whether your investigation was a fair test? | 1. Identify possible sources of error | 1. Suggest improvements to your investigation methods | 1. How could this experiment inform other people? | 1. Present your scientific inquiry |
| Group 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |