**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
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| Group 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |