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| Priority Standard: | MS-PS1-2: Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred |
| Overarching Skills: | Represent data visually with a graph Evaluate experiment process and make a claim |
| WALT: | We are learning to visually represent data in graph format |
| Success Criteria: | I can determine the appropriate graph type to represent my data I can use a key to distinguish multiple sets of data on one graph I can identify the cause and effect relationship and represent it in the title I can identify independent and dependent variable on the appropriate axis I can plot my data correctly on a graph |
| WALT: | We are learning to make a claim about testable question based on the data collected |
| Success Criteria: | I can provide a claim of what the data shows in relation to the testable question. I can identify if the data collected in the experiment is inconclusive for supporting a claim I can provide specific evidence(data) to support the claim. I can explain how specific evidence supports the claim (reasoning). I can provide ideas on how this information could be useful to others. |
| WALT: | We are learning to evaluate the experimental process |
| | I can identify why the data collected in the experiment is inconclusive for supporting a claim I can identify possible experiment errors that may have affected my data I can explain how to avoid these experimental errors in the future. I can provide ideas for further investigation |
| WALT: | We are learning to use our data to support whether our hypothesis was proven or unproven |
| | I can explain if my original thinking (hypothesis) has changed I can use data collected in the experiment to support my change in thinking I can explain if my hypothesis has been proven or unproven I can use data collected in the experiment to support whether my hypothesis was proven or unproven |

