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| Assignment | Date Due | Date Complete | Parent Initials | Teacher Initials |
| **1.** **Choose a topic** that you find interesting. You may first want to browse books or internet for ideas. | 12/12/13 |  |  |  |
| **2. Write your big question.** Make sure it is a question that you can investigate by yourself. | 12/13/13 |  |  |  |
| **3. Research your topic** using books, magazines, internet, and professionals. You should have 5 resources included with your project. | 12/16/13 |  |  |  |
| **4. Write a hypothesis** or a good guess about what you think the outcome of your experiment will be. | 12/17/13 |  |  |  |
| **5. Identify your variables** What affects your outcome?  Independent Variable: What you change  Dependent Variable: What you are measuring | 12/18/13 |  |  |  |
| **6. Write a step-by-step procedure**. Give enough detail so someone else could do the experiment at home using your directions. | 12/18/13 |  |  |  |
| **7. List and collect all materials** needed for your project. | 12/19/13 |  |  |  |
| **8. Conduct your experiment and collect data** in a journal. All projects must included a journal. | 1/13/13 |  |  |  |
| **9. Record the results** of your experiment. Use tables, graphs, photos, etc. | 1/17/13 |  |  |  |
| **10. Analyze data and make a conclusion** | 1/17/13 |  |  |  |
| **11. Build a display** that contains the correct components and is visually appealing. | 1/31/14 |  |  |  |
| **12. Prepare and oral presentation** to explain your project to others. | 2/6/14 |  |  |  |

