The project consists of three parts: **a logbook, formal report, and display.**

**Logbook (0-50pts)** - Use a spiral notebook or folder for your logbook. A logbook is a diary or journal about what is happening with your experiment, so it does not have to be perfect. Use your logbook to record your data. Record and date each step of your progress in the logbook. Don’t erase mistakes, simply mark through neatly and rewrite.

1. **Question** - Think of a question that you can do an experiment to answer. **8pts**
2. **Hypothesis** - This is a good guess about the answer to your question. Use a “If…then…because…” statement. **6pts**
3. **Experimental plan procedure** - Write down the steps that you will follow to answer your question. Don’t leave anything out! Someone should be able to do the experiment by following your directions. **6pts**
4. **Measurements** - Write down the measurements you will be taking. Use metric units. **6pts**
5. **Materials** - After you plan your experiment, list all the materials you will need. **6pts**
6. **Observations & Data** - Write down everything you find out as you follow your steps. If your project takes more than one day to complete, write down day-by-day data. **6pts**
7. **Results** - Discuss your data. Now would be a good time to make a chart of your data. **6pts**
8. **Conclusions** - Explain what you found out by doing your project. Tell whether or not your hypothesis was correct, and explain why or why not. **6pts**

**Formal Report (0-50pts)** - Must be typed. The information for the formal report comes straight out of your logbook. Now is the time to worry about neatness.

1. **Title Page** - List your question, name, and grade level. **4pts**
2. **Abstract** - Imagine that you are telling someone the story of how you did your project, from start to finish. You will need a summary of your project. That is what an abstract is. Someone reading an abstract should be able to tell what your question and hypothesis were, how you answered your question, and what your conclusion was. Write in paragraph form. **10pts**
3. **Purpose** - Write WHY you did the project in no more than 3 sentences. **4pts**
4. **Hypothesis** - Write the hypothesis you formulated. **4pts**
5. **Research** (library information) - Write down what you found out about your topic when you went to the media center or talked to people. **4pts**
6. **Materials** – List all of the materials you used. **4pts**
7. Procedure - List step by step how you completed your experiment. 4pts
8. Results - Write everything that happened when you did your experiment. Make sure your data is organized in a neat, easy to understand way (like a chart and or graph). 4pts
9. Conclusions - Write everything you found out about your question or problem. 4pts
10. Bibliography - List at least three sources (book, internet, magazine, etc) that you used to help you do your project. 4pts
11. Acknowledgements - List the names of anyone that helped you in any way, and tell what they did to help you. 4pts

Display (0-100 pts)

1. Title – 20pts
2. Purpose – 10pts
3. Hypothesis – 10pts
4. Materials – 10pts
5. Procedure – 10pts
6. Results – 10pts
7. Conclusion – 10pts
8. Tables/Graphs/Charts, & Pictures – 20 points

- Your Science Fair Project will count as two test grades: Logbook/Formal Report & Display Board
- You may not work with a classmate but I encourage you to get help from parents, guardians, librarians, and people knowledgeable in the area you are investigating.
- You may not display any items you used in your experiment, take pictures instead.
- Ten points will be deducted for each day any section is turned in late.
- Please put your name on the Logbook, Formal Report, and the bottom right flap on the back of your display board.