**STUDENT SCIENCE FAIR PROJECT TIMELINE**

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| **CHECKPOINTS** | **ITEM/EVENT DESCRIPTION** |
| WEEKS 1-2 (Jan. 31- Feb. 5) | Parent Letter signed & returned.  Topic selected & approved by teacher/ parent. |
| WEEK 2 (Feb. 6-12) | **Observe and ask questions.**  \*Use your senses to make observations. \*Record one ***HOW*** or ***WHY*** question that you would like to find out about. \*Write down what you already know about the topic. \*Decide what other information you need. \*Do research to find more information about your topic. \*Document each day in a Project Log Book; include date. |
| WEEK 3 (Feb. 13-19)  ***February 18-22 is our February Break! This is a great time to work on your project!* ☺** | **Form a hypothesis.**  \*Write a possible answer, or hypothesis, to your question. A hypothesis is an answer that can be tested. \*Write your hypothesis in a complete sentence. \*Document in your Project Log Book every day. |
| WEEK 4 (Feb. 20- 26) | **Plan an experiment.**  \*Decide how to conduct a fair test of your hypothesis by controlling variables. Variables are factors that can affect the outcome of the investigation. \*Write down the steps that you will follow to do your test. \*List the equipment and/or materials that you will need. \*Decide how you will gather, record, and display your data. \*Document in your Project Log Book every day. |
| WEEK 5 (Feb. 27 -Mar. 5) | **Conduct the experiment.**  \*Follow the steps you wrote. \*Observe and measure carefully. \*Record everything that happens. \*Organize your data so that you can study it carefully. \*Document in your Project Log Book daily. |
| WEEKS 6 (Mar. 6-12)  **Y**OU’RE ALMOST READY FOR THE SCIENCE FAIR! ☺ | **Draw conclusions and communicate results.**  \*Analyze the data you gathered. \*Make charts, tables, and graphs, and/or include photographs to show your data. \*Write a conclusion. \*Describe the evidence you used to determine whether your test supported your hypothesis. \*Decide whether your hypothesis was correct. \*Document in your Project Log Book, and include your conclusion date. |
| WEEK 7 (Mar. 13-17) | **Complete Science Fair Display and practice oral presentation.** |
| WEEK 7: Fri., Mar. 17  ALL SCIENCE FAIR PROJECTS ARE DUE! | **Bring your Science Fair Project, including Log Book, to school and set up on your table. All Science Fair Projects have to be turned in by today – late projects will not be judged.** |
| WEEK 8: Wed., Mar. 22, 2016  **GOOD LUCK!**  **You’ll be great! ☺** | **SHOW TIME! Wear your best science fair attire, smile, and come to school, bright and early, ready to present throughout the day! ☺** |

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| **Task** | **Due Date** | **Parent/Teacher Initials** |
| 1. Choose and submit a scientific problem / How or Why question to investigate, for your teacher’s approval. | WEEK 1 |  |
| 2. Start your Daily Project Log Book. Include thinking about a problem / question for your first entry. | WEEK 2 |  |
| 3. Conduct your research, using books and internet information. Search for related facts and information about your topic. | WEEK 2 |  |
| 4. Write a hypothesis, or guess about your question, based on what you already know. | WEEK 3 |  |
| 5. Decide on the scientific procedure that you will use to test your hypothesis. | WEEK 4 |  |
| 6. Make a list of the materials that you’ll need for your project. Gather your materials, and make your project. | WEEK 4 |  |
| 7. Conduct your experiment. Record the steps of your procedure, and record your failures, re-tries, and successes. | WEEK 5 |  |
| 8. Organize your data into graphs to show your results. | WEEK 6 |  |
| 9. Write your conclusion in your Project Log Book, based on the results of your experiment. Include the things that you learned, and were surprised about at the end. | WEEK 6 |  |
| 10. Complete your science fair display, following the Scientific Method:  INTRODUCTION; PROBLEM; HYPOTHESIS; PROCEDURE; DATA; RESULTS; MATERIALS; CONCLUSION | WEEK 7 |  |
| 11. Turn in your science fair project, log book, and display. | March 17 |  |
| 12. Present your project to the judges. | March 22 |  |