

Project Number: \_\_\_\_\_

# Science Fair

**All of the Science Fair Projects/Components are Due on Monday, February 6, 2023.**

Please remember the following:

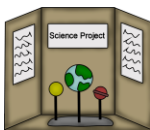
- No picture of the students' faces can be displayed on the PowerPoint.
- No students' names can be used. Each project has been assigned a number; display this number on logbook (neatly written or typed), formal report (neatly written or typed), and backboard instead of your name. Do not bring in the actual experiment. Pictures of the items or experiment only. No test can be performed on living subjects. Plants are excluded. All projects must be testable. Students should complete multiple tests on their projects.
- A backboard, formal report (neatly written or typed), and logbook (neatly written or typed) is required for each project.
- I understand that my child is required to participate in the Science Fair at Hephzibah Elementary School. I understand that this assignment is due no later than Monday, February 6, 2023. I understand that my child will receive a grade for the PowerPoint, the formal report, the logbook, and a grade from the Science Fair Judge. I understand that I can find the information about the Science Fair on the school website.

~~~~~  
 Please keep the top portion, detach the bottom part and return to your teacher.  
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 I have read the letter concerning the Science Fair information. I understand that my child is required to participate in the Science Fair at Hephzibah Elementary School. I understand that this assignment is due no later than **Monday, February 6, 2023**. I understand that my child will receive a grade for the PowerPoint, a grade for the report, a grade for the logbook, and a grade from the Science Fair Judge. I understand that I can find the information about the Science Fair on the school website.

Student: \_\_\_\_\_ Parent: \_\_\_\_\_

Date: \_\_\_\_\_



## What is a Science Fair Project?

(Complete each section in this order.)

1. **Title Page**- The question you want to research is the topic or title for your project. Also, include your homeroom teacher's name, date started and ended, and number on this page. **Don't include your name.**
2. **Research**-Write about what you found out from books, the internet, and other resources that helped you learn more about your topic. These resources should help you decide the answer to your research question/topic. See this website for an example of how to begin your research: [sciencebuddies.org](http://sciencebuddies.org). Be sure to paraphrase the information or put it in your own words. **Do not plagiarize!**
3. **Bibliography**- A bibliography includes names of books, magazines, websites, and any other resource you used for your project.
4. **Purpose**- Why are you doing this experiment? What do you hope to discover?
5. **Hypothesis**-What do you think will happen? Examples: I think \_\_\_\_\_ will happen because \_\_\_\_\_.
  - a. If (I do this) \_\_\_\_\_ then \_\_\_\_\_ (this will happen).
6. **Materials**-Make a list of all the necessary materials. How many? How much? **Be Specific!**
7. **Procedures/Steps**-Describe in order how you carried out your experiment. Number your steps.
8. **Results/Observations**-Present what happened or what you observed. This could be written out or displayed in a chart/table or graph. These observations may be over the course of several days depending on the nature of the project. If this is the case a chart/table explaining what happened from day-to-day may be appropriate along with a written description.
9. **Conclusion**-Compare your results with your hypothesis. Did your findings support your hypothesis? Was your hypothesis correct? Why or Why Not? Tell me what you learned or would improve next time.

### Helpful Resources

[http://www.sciencebuddies.org/science-fair-projects/project\\_guide\\_index.shtml](http://www.sciencebuddies.org/science-fair-projects/project_guide_index.shtml)

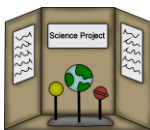
<http://school.discoveryeducation.com/sciencefaircentral/?pID=fair>

<https://sciencebob.com/category/science-fair-ideas/>

- This website could be helpful when working on the bibliography.

<http://www.citationmachine.net/apa/cite-a-book>

- These two resources are good for research.



<http://www.galileo.usg.edu/welcome/?Welcome>

<http://www.safesearchkids.com/>

### Science Fair Project Grading Scale/Due Dates

The logbook, formal report, backboard, and grade from the science fair judge will be counted as 4 separate project grades. I will provide **feedback only** on the following due dates for the logbook. The final grades for the logbook, backboard, and formal report will be given after everything has been turned in on **February 6<sup>th</sup>**. **No late Projects will be accepted.**

Topic/Research Question must be approved by me before starting the project and is **due 11-28-22-12-2-22**. Choose your top three favorite topics and write them down on a sheet of paper. A parent signature is required. I will approve the best topic out of the three choices. Don't change your topic after it has been approved without notifying me first. You may start working on your projects after they have been approved.

| <b>Logbook</b><br>(I will return the logbooks after each due date so that you can review the feedback and make changes. I will only review the specified sections on the dates given. I will not go back to look at the sections after the given due.)<br><b>*Each section should be labeled and start on a different page in the book. Follow the order of the chart.</b> | <b>Formal Report</b><br><b>All Components Due 02-06-22</b><br>(It can be neatly written or typed. However, if typed it should be done by the student. Place the formal report in a folder or a sheet protector.)<br><b>*Each section should be labeled and start on a different page. Follow the order of the chart.</b> | <b>Backboard Presentation</b><br><b>Due 02-06-22</b><br>(Write your homeroom teacher's name, date, and number on the back of the backboard on the top upper-right corner.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Title Page (5 points)<br><b>Due 12-9-22</b>                                                                                                                                                                                                                                                                                                                                | Title Page (5 points)                                                                                                                                                                                                                                                                                                    | Title (5 points)                                                                                                                                                           |
| Research (50 points)<br><b>Due 12-9-22</b>                                                                                                                                                                                                                                                                                                                                 | Research (50 points)                                                                                                                                                                                                                                                                                                     | Purpose (10 points)                                                                                                                                                        |
| Bibliography (5 points)<br><b>Due 12-9-22</b>                                                                                                                                                                                                                                                                                                                              | Bibliography (5 points)                                                                                                                                                                                                                                                                                                  | Hypothesis (10 points)                                                                                                                                                     |
| Purpose (5 points)<br><b>Due 12-16-22</b>                                                                                                                                                                                                                                                                                                                                  | Purpose (5 points)                                                                                                                                                                                                                                                                                                       | Materials (10 points)                                                                                                                                                      |
| Hypothesis (5 points)<br><b>Due 12-16-22</b>                                                                                                                                                                                                                                                                                                                               | Hypothesis (5 points)                                                                                                                                                                                                                                                                                                    | Procedures (10 points)                                                                                                                                                     |
| Materials (5 points)<br><b>Due 01-13-23</b>                                                                                                                                                                                                                                                                                                                                | Materials (5 points)                                                                                                                                                                                                                                                                                                     | Results (20 points)                                                                                                                                                        |
| Procedures (5 points)<br><b>Due 01-13-23</b>                                                                                                                                                                                                                                                                                                                               | Procedures (5 points)                                                                                                                                                                                                                                                                                                    | Conclusion (10 points)                                                                                                                                                     |
| Results (5 points)<br><b>Due 01-27-22</b>                                                                                                                                                                                                                                                                                                                                  | Results (5 points)                                                                                                                                                                                                                                                                                                       | Attractiveness, Neatness, & Grammar (25 points)                                                                                                                            |
| Conclusion (5 points)<br><b>Due 01-27-22</b>                                                                                                                                                                                                                                                                                                                               | Conclusion (5 points)                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                            |
| Neatness/Grammar (10 points)                                                                                                                                                                                                                                                                                                                                               | Neatness/Grammar (10 points)                                                                                                                                                                                                                                                                                             |                                                                                                                                                                            |

**Oral Presentation:** Knowledge of Experiment/Ability to Explain (100 points)

**Evaluation Grade from Science fair Judge:** (100 points)