

Students will be required to keep a working log journal of day by day events on this project.

How can parents help? **Do not do the project for them** but rather encourage your child to select a topic for their research project before they return to school in the fall. Help them select one which provides a challenge for them and be one which provides data to analyze. Provide internet access, either at home or a library. Provide transportation to obtain supplies or direct them to a library to collect references. Once the project is underway, check to see that each week/day, entries are being made into the log journal. Help your child design a project that is safe and properly supervised. Do not worry or get upset if your child does not win a prize at the science fair. The skills your child has gained are worth all the effort. And lastly parents, feel a sense of pride and accomplishment when the fair is over. Remember that a good head start will guarantee an excellent project.

As you know, to have a successful Science Fair, the help of many individuals is required. You can ensure a rewarding experience for our participants by volunteering time in one or more of the following activities.

- Be a mentor. Help students design and assist with their science project exhibit boards.
- Assist students in checking in and setting up projects on fair day.
- Judge projects (the more we have the better it is)
- Make a monetary donation
- Clean up and help store projects at the conclusion of the fair.
- Provide refreshments for judges (hospitality table)

Please consider how you might be able to contribute to our school fair and contact the Middle School teachers at Epiphany in early September. Your help is essential to the success of our fair. I look forward to a great fair. Your help will make it possible. Thank you!

Sincerely,

Stephen Morganelli Science Fair Coordinator

DISPLAY BOARD:

While it is expected that projects be neat and legible, a Science Fair project is not an art project. Rather than spending time on the appearance of the display, students are encouraged to improve their projects by conducting more research for their abstract, performing more trials, adding more detail to their procedures, etc. The emphasis should be on understanding and applying the scientific process. Your own creativity will determine how you set up your display. It is required that you use a basic 3-sided display board (3 feet high by 4 feet wide) which is able to stand up on its own when placed on a table. **No small boards will be accepted.** Tape or glue cannot be placed onto tables. At the Epiphany Science Fair students will display their log journals and may also display their research report and items used as part of their project. The display board must not display actual materials used in the project: i.e., foodstuffs, seeds, crystals, etc. If in doubt, please remove it.

IMPORTANT: Only paper and pictures should be on the display board. There should not be any items attached to the board, such as 3-dimensional objects, vines, foam board backing, aluminum foil, fabric, lights, etc. Items other than paper will be removed. Corrugated border paper or paper border is acceptable. Please, no headers that attach to the top of the display board. Place your name and the school's name in the center on the backside of the display board. Place your name on the inside back cover of your log journal. Remember nothing on the board should be handwritten. Graphics should be used for graphs.

LOG JOURNALS

Students will need to purchase a composition notebook (marble cover and bound) to record their entries in. Entries should be detailed and include whatever results the student has obtained in the project. Parents are encouraged to read the journals weekly. Being the primary educator of the child, they will check to see that entries are being made each day. **Parent signatures are required.** Please do not just sign the journal, but discuss it with your child. Have they been working, documenting, and putting in the time? Log journals will be collected in order that a student's progress can be monitored. They will be turned in and graded every other Friday starting Sept. 2, 2022. Judges read all journal entries. Good notes will show consistency and thoroughness to the judges and will help students write

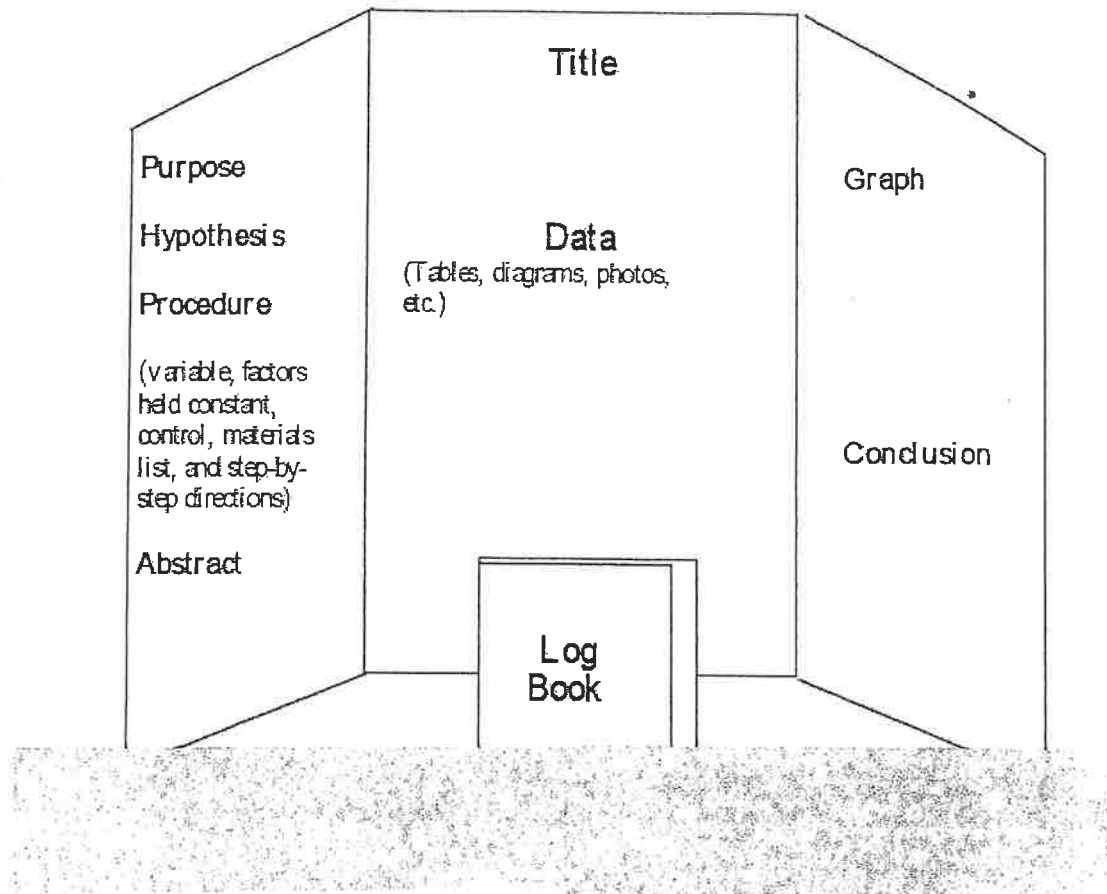
THE RESEARCH PAPER:

(Required for grades 6 - 8 only)

The research paper is divided into several sections. It is very much like a formal lab report. It is typed and placed in a folder. It is submitted along with the project to be judged on Science Fair Day. The sections are as follows:

- A) **Title Page and Table of Contents** - shows the reader organization
- B) **Introduction** - sets the scene for your report. The introduction includes the purpose, your hypothesis, problem, an explanation of what prompted your research, and what you had hoped to achieve.
- C) **Materials and Methods** - describe in detail how you did your experiment. Your report should be detailed enough so that someone would be able to repeat the experiment from the information in your paper. Include detailed photographs or drawings.
- D) **Results** - The results include data and analysis. This should include graphs, pages with data that you collected, etc.
- E) **Discussion** - This is the major part of your paper. Perhaps compare your results with commonly held beliefs or results. Include a discussion of possible errors. What other experiments should be performed? What would you do differently?
- F) **Conclusions** - Briefly summarize your results. State your findings in relationships of one variable with the other. Be specific, do not generalize. Never introduce anything in the conclusion that has not already been discussed.
- G) **Acknowledgments** - You should always credit those who have assisted you, including individuals and educational/research institutions.
- H) **References/Bibliography** - Your reference list should include the sources you used and any documentation that is not your own.

PHYSICAL DISPLAY



**THE DISPLAY SHOULD BE CLEAR
AND EASY TO FOLLOW.**