SI Creating a Research Paper

(Mandatory for 5th - 12th Grades)

Each project must include a research report covering in detail all of the work, references consulted, and acknowledgement of assistance received. The experimental data, statistics, notes, and computations should be recorded in a project logbook. The report should include a description of the work, the results, and the conclusions. This report should follow an accepted form of technical reporting and be checked for correct punctuation, spelling, and grammar preferably by an English teacher. If possible, the report should contain illustrations in the form of photographs, sketches, graphs, data tables, or charts that contribute to the effectiveness of the material presented. The Ohio Academy of Science recommends the following format for sections of the research report: (Click here to view their site information directly.)

- Title Page including the date and name of student
- Abstract
- Table of Contents (optional for reports fewer than 10 pages)
- Introduction that includes: purpose statement, hypothesis, and background information
- Materials and Procedures that include safety precautions or procedures
- Results including an analysis of collected data with graphs, tables, photographs, and diagrams to illustrate investigation
- Data Analysis of the results, explanation of issues that occurred, and what you would change next time
- Conclusions and Implications for further research
- Acknowledgements identifying individuals for any assistance
- References or Literature Cited, see Appendix A for how to cite work in science papers

This is a formal writing of the project. You have done most of this work already. As you put this information into a paper, refer back to your background research, citing your sources and your logbook. Your research paper should follow the APA style guidelines. For more information on how to set up your paper visit General Format from Purdue to guide you

We have created a template for you to use. Click on the link below, which will have you make a copy of your own. You can paste your information in that document. Remember to change the file name. You will want to include your name in the file name and the words "Research Paper."

- Research Paper Template for Scientific Inquiry projects

Remember:

*Scientific fraud and misconduct are not condoned at any level of research or competition. Such practices include plagiarism, forgery, use or presentation of other researcher's work as one's own, and fabrication of data. Fraudulent projects will fail to qualify for competition in affiliated fairs or the Intel International Science and Engineering Fair.