

Science Fair Projects 2011 – 2012

FIRST QUARTER

I. General Idea of Science Fair Project **Thurs September 8, 2011**

- Topic
- Category (Biology, Chemistry, Physics, Earth Science, Math, Medicine & Health, etc)
- Signed by adult advisor (parent, relative, neighbor, etc)
- General Idea of Project (if no adult advisor has agreed to help supervise the project yet, student must submit **two ideas**)

II. Meeting with Science Teacher by appointment for those who have been unable to submit an idea **TBA week of September 12 – 16, 2011**

III. Bibliography **Tues September 20, 2011**

- 5 Sources to be submitted (At least two must be non-internet sources)
- Bibliography turned in using Seton School's standard bibliography format

IV. Submit Sources for Review **TBA (week of September 19 – 23, 2011)**

V. Formal Hypothesis and Experimental Design Diagram **Tues September 27, 2011**

- A clear statement of your Hypothesis must be submitted for approval

VI. Full Research Plan **Tues October 4, 2011**

- Typed
- Includes: Question being addressed, Hypothesis, Detailed description of Procedure (list of Materials, Step by Step Method), Approach to Data Analysis
- Bibliography (Be sure it is complete and ready for inclusion in your final paper)

VII. Appropriate Forms + Logbook **Tues, October 11, 2011**

For ALL Students

- Seton Science Fair Entry Form
- Checklist for Adult Sponsors (Form 1)
- Student Checklist (Form 1A)
- Approval Form (1B)

For Projects using Human Subjects, Vertebrates, or Potentially hazardous biological agents

- Qualified Scientist Form (Form 2)
- Risk Assessment Form (Form 3)
- Human Subjects Form (Form 4)
- Vertebrate Animal Form (Form 5A)
- Potentially Hazardous Biological Agents Form (Form 6A)

SECOND QUARTER

I. Meeting with Science Teacher (bring logbook) **TBA October 24 – 28 and Nov 2 – 4** **(by appointment)**

II. Report Results – Data and Analysis (Tables and Graphs) **Wed December 14, 2011**

Conclusions

- Project Title (No changes after this deadline)
- All Data Tables and Graphs
- Full Conclusion

III. First Draft of Research Paper and Abstract **Wed January 4, 2012**

All Human Subject's Signed Consent Forms

- Note: Write paper **before** abstract
- Research Paper
- Full paper with Title Page, Table of Contents, Introduction (Problem + Research), Hypothesis, Procedure (Materials + Method), Results (Data + Analysis), Discussion (What does all this work show?, How will this apply?, What do your findings have in common with what has been previously known about the subject? etc.), Conclusion, Acknowledgements, Bibliography
- Abstract
- One Paragraph typed Summary of Question, Hypothesis, Procedure, Results, and Conclusions
- Follow format for Seton Science Fair Abstract
- Identify Project Number (Given by Science Fair Coordinator), Category, and whether or not an electric outlet will be needed for your Science Fair Display

IV. Final Draft Abstract

Day of Midterm Exam, 2012 (may be turned in earlier)

- All corrections are final
- Ten copies submitted to teacher
- Please send one copy by email to setonsciencefair@yahoo.com from the email address you would like to use for the remaining preparation for the science fair (eg in case of inclement weather, it may facilitate dissemination of information)

THIRD QUARTER

I. Final Draft Research Paper

Fri January 20, 2012

- Title Page, Table of Contents, Introduction, Materials, Methods, Data (including graphs and tables), Analysis, Discussion (present any relevant information from your research here), Conclusions, Acknowledgments, Bibliography

II. Science Fair Set Up

Sun January 29, 2012

- Bring Backboard, Display, Research Paper, Experimental Design Diagram, Data Log Book, and Abstract to set up in the John Paul II Center between 2:00 and 5:00 PM.

III. Science Fair

Mon January 30, 2012

- Come dressed as for a job interview
- Be prepared to explain your project to official judges