

Science Fair Final Checklist

Ms. Hawkins

Your Science Fair projects are due on **October 30th**!

Before you turn your project in, make sure you have done the following:

- You have checked the Science Fair Paper Format page on our class website and made sure that you **typed** everything for your Log Book:
 - Title Page
 - Table of Contents
 - Abstract
 - Purpose and Hypothesis
 - Research Paper (with corrections if needed)
 - Materials List
 - Procedure List
 - Data/Observations (including data collection table - filled in!)
 - Conclusions
 - Bibliography (in CORRECT format from Noodle Tools)
- You have made sure that your Abstract is on the State form! (see below)
- You have included an MSDS form for ALL chemicals used
- You have included a caption for ALL pictures
 - Retrieved from (website URL)
 - Photo taken by _____
- You have made sure that you have a completed tri-fold board!

61st State Science & Engineering Fair of Florida
OFFICIAL ABSTRACT AND CERTIFICATION

61st Annual State Science and Engineering Fair of Florida
March 28-31, 2016
Lakeland College, Lakeland

Title: _____

Student/Team Leader: _____
School, City, State: _____

Select one Category
Mark an "X" in box at right

Animal Sciences

Behavioral & Social Sciences

Biomedical & Health Sciences

Cellular/Molecular Biology & Biochemistry

Chemistry

Earth & Environmental Sciences

Engineering

Environmental Engineering

Intelligent Machines, Robotics & Systems Software

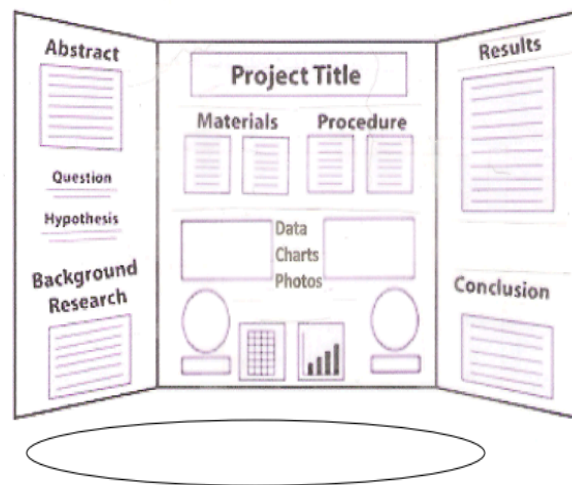
Mathematics & Computational Sciences

Microbiology

Physics & Astronomy

Plant Sciences

Abstract Form



Completed Board

Please use www.hawkins7thscience.weebly.com/science-fair.html
for any questions you might have!

Science Fair Display Board Rubric

1. Title: Centered in top middle of board (5 points)
 2. Question: One sentence explaining what you were trying to solve with your project. (10 points)
 3. Hypothesis: One sentence written on the display board. It tells what you think will happen in your experiment...written as an "if....then..." statement. (10 points)
 4. Materials: All materials listed on the display board in a bulleted list, including amounts (5 points) example: (1/2 cup)
 5. Procedure: Tell what you did sequentially (step by step) (10 points)
 6. Research Paper: A copy of the research paper that was completed on your topic, including relevant information (10 points)
 7. Data: graphs, pictures, charts, surveys, drawings. **No faces in the photos!** Make sure you include a caption for all photos – see checklist (10 points)
 8. Results: what happened during your research? (10 points)
 9. Conclusions: Did your results prove or disprove your hypothesis? Write one or two sentences on the display board and sharing this information. (10 points)
 10. Abstract/Summary: A summary of the completed experiment. Include what you did and the results of your experiment. **NEEDS TO BE ON STATE FORM** and placed in the top left corner of board (10 points)
 11. Neatness and Appearance: Your Science Fair display board and log book should be neat and well organized. (5 points)
 12. Difficulty/Creativity: The project should be appropriate for the grade level and a challenge for the student. The Project presented an experiment with measurable outcomes. (5 points)
- Total = 100 points

Science Fair Log Book Rubric

Must be typed (12 font, Times New Roman)

1. Title Page: Title centered in middle of page, with student name, period, and teacher in lower right corner (5 points)
 2. Table of Contents: Listing each page in log book (5 points)
 3. Abstract: A summary of the experiment along with an analysis of the results or your experiment. (10 points)
 4. 3. Problem Statement: State the problem that you will be researching.(5 points)
 5. 4. Hypothesis: One or two sentences that states what you are going to study. Must be written as an if....then....statement. (5 points)
 6. Research/Purpose: 4 paragraph essay (5 sentences each) explaining your topic including research information (make sure it is properly cited). You also need to state why you chose this topic. (10 points)
 7. Materials: All materials that you used for the experiment in a bulleted list, including amounts. For example: (1/2 cup) (5 points)
 8. Procedure: Tell what you did sequentially (step by step) be very specific. Remember, a good science experiment should be written so some else can conduct it the same way you did and get the same results. (10 points)
 9. Data Collection Sheet: graphs, charts, surveys, drawings, etc. (5 points)
 10. Conclusions: Did your results prove or disprove your hypothesis? (10 points)
 11. Bibliography: 6 sources (including the ISEF rules page), cited correctly using NoodleTools. NO WIKIPEDIA! (10 points)
 12. Difficulty/Creativity: The project should be appropriate for the grade level and a challenge for the student. The project is testable, with results that can be measured, counted, or recorded through charts, graphs, and photographs. (10 points)
 13. 25 facts about topic (10 points)
- Total = 100 points

Oral Presentation

1. Discussed why you chose this experiment and explain the research you did for this project. (10 points)
 2. Tell us what your question was. (10 points)
 3. State the hypothesis using an "if...then ..." statement. (5 points)
 4. Explained how you conducted the experiment including the materials you used. You do not have to be specific with the measurements for the oral presentation. (20 points)
 5. Tell us what the independent and dependent variable of your experiment were. (5 points)
 6. Make sure you have a clear understanding of the experiment and are able to tell others about it. (20 points)
 7. Explain the results of your experiment and relate it to the problem statement. (10 points)
 8. Tell us how your project can benefit others or how it can apply to a real life situation. (10 points)
 9. Make sure you engage in eye contact when presenting and do not read the board. (10 points)
- Total = 100 points
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