

# Science fair boards are due 11/2

Include the following sections (use this as a checklist!):

\_\_\_ Name, date, class section

\_\_\_ Title

\_\_\_ Abstract

\_\_\_ Problem Statement

\_\_\_ Background Research

\_\_\_ Bibliography

\_\_\_ Hypothesis

\_\_\_ Variables

\_\_\_ Independent Variable

\_\_\_ Dependent Variable

\_\_\_ Constants

\_\_\_ Control Group

\_\_\_ Materials

\_\_\_ Procedures

\_\_\_ Data Table

\_\_\_ Graph

\_\_\_ Results Paragraph

\_\_\_ Conclusions/ Applications

# Science Fair Poster Template

**BOARD SIZE: 36in X 48in**

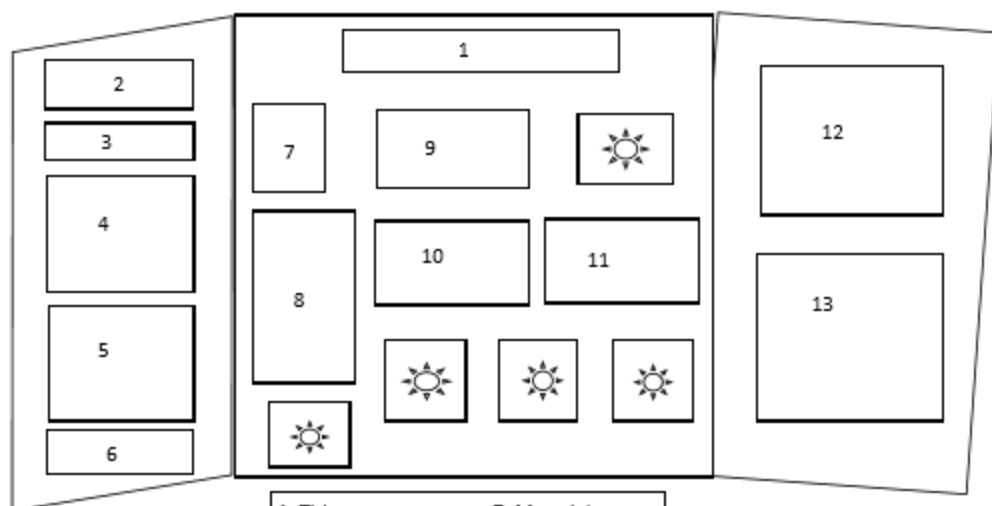
## MUST INCLUDE:

- ⇒ Name, Section, Grade, Archimedean Middle Conservatory (on back)
- ⇒ Title
- ⇒ Abstract
- ⇒ Research
- ⇒ Bibliography
- ⇒ Problem Statement
- ⇒ Hypothesis
- ⇒ Variables
  - ⇒ Independent
  - ⇒ Dependent
  - ⇒ Control
- ⇒ Materials List
- ⇒ Procedures
- ⇒ Data Chart (s)
- ⇒ Graph (s)
- ⇒ Results paragraph
- ⇒ Conclusion

## DISPLAY TIPS:

1. **LABEL!!!!!!**
2. **TYPE Work!!!**
3. Include Pictures (Cover face with stickers)
4. Create Border around poster
5. Mount white paper over colored paper:

Ex:



## Label Each Section:

Ex:

**HYPOTHESIS:**

If/Then/Because Statement

- |                      |                |
|----------------------|----------------|
| 1: Title             | 7: Materials   |
| 2: Problem Statement | 8: Procedures  |
| 3: Hypothesis        | 9: Variables   |
| 4: Research          | 10: Data Chart |
| 5: Abstract          | 11: Graph      |
| 6: Bibliography      | 12: Results    |
| ☀ Pictures           | 13: Conclusion |

## BACK OF BOARD:

- ⇒ Name, Section
- ⇒ Grade
- ⇒ Archimedean Middle Conservatory

## Science Fair Judging Rubric

Board Number: \_\_\_\_\_

Category	Max Points	Criteria	Points Earned
Problem Statement	5	A complete well written description of the question/problem being solved	
Background Research	10	<ul style="list-style-type: none"> <li>Sufficient background information should be provided for the reader to understand the question being investigated (5 points)</li> <li>In-text citations are used to show where facts came from (3 points) (for example: "According to Santrock in 2013. . .")</li> <li>5 sources listed in the Bibliography section are discussed (2 points)</li> </ul>	
Bibliography	5	5 sources, including publication date, title of article, author, date the article was accessed, and web address	
Hypothesis	5	A testable prediction on what the outcome of the experiment will be; <b>if/then statement</b>	
Variables	15	<ul style="list-style-type: none"> <li>Independent Variable: what is being changed between the different test groups</li> <li>Dependent Variable: what is being measured</li> <li>Constants: what is kept the same for all groups</li> <li>Control group: the standards for comparison/ the group where the independent variable is not applied</li> </ul>	
Materials and Procedures	10	<ul style="list-style-type: none"> <li>Materials: a list of all objects used, including specific details such as type, size, brand, amount (5 points)</li> <li>Procedures: the specific steps/actions needed to perform the experiment (5 points)</li> </ul>	
Data and Results	15	<ul style="list-style-type: none"> <li>Data Table: shows the measurements for the individual trials, and the average (units included) (5 points)</li> <li>Data Graph: includes title, x-axis label, y-axis label, and correct display of the data on the table (5 points)</li> <li>Results: the table and graph are clearly stated in words (5 points)</li> </ul>	
Conclusions and Applications	10	<p>The conclusion section should include the following points:</p> <ul style="list-style-type: none"> <li>Was the hypothesis supported?</li> <li>What errors occurred?</li> <li>How can the experiment be improved for the future?</li> <li>What was learned/ results explained?</li> <li>How can it be used in the real world?</li> </ul>	
Abstract	10	A clear well-written paragraph summarizing the entire project, including: problem statement, hypothesis, brief methods/procedures, brief results and conclusions	
Appearance	10	The display is near, clear, and organized. See Display Directions for appropriate placement of each section	
Scientific Value/ Creativity	5	The project (considering that this is middle school) is meaningful and contributed valuable information to the understanding of our world. The way the problem was solved or the original question was new, original, or creative.	
Total	100	Please add up all your points and write the total points earned	