

## SERC Home School Biomimicry Science Fair Poster Requirements (8-12 yr. olds)

**Size and type of display:** A free standing trifold display board (sizes vary). These may be found at either Michael's or Office Depot.

**Can I have objects or other items on the table?** Yes, but you are especially encouraged to add photographs and drawing or illustrations to your board.

**Writing should be in third person:** Instead of first person, "I exposed the insects to sunlight" use "The insects were exposed to sunlight (third person) "

**For our poster you must write the following:**

1. Abstract
2. Materials and Methods (with photos or drawings)
3. Graph Results with line graph or bar graph
4. Conclusion

**TITLE:** The title of your poster presentation should be the question that you posed for your original test.

**Hypothesis:** Students should write their hypothesis about their best "guess" of the outcome of the study.

**Abstract (No more than one paragraph): The 1,000 mile high overview**

In this short paragraph you will briefly tell:

- What your question was
- Your hypothesis
- The test you conducted (location, variables, controls, and what was measured)
- Results (this should be no more than 1-2 sentences.
- If the experiment supported or refuted your hypothesis (do not use the words PROVED or DISPROVED!)

**Materials and Methods (1-2 paragraphs)**

Briefly tell what you did, write it such that if someone else wanted to replicate what you did they could do it exactly (don't forget to mention the units you measured in). You can use Step 1, Step 2. Etc..

**\*\*\*\*\*NOTE: All graph and pictures must be labeled clearly. \*\*\*\*\***

**Graph Results**

You can do either a line or bar graph. The X and Y axis should be labeled as well as the units used to measure. Be sure to use colors or bars that are easy to tell apart.

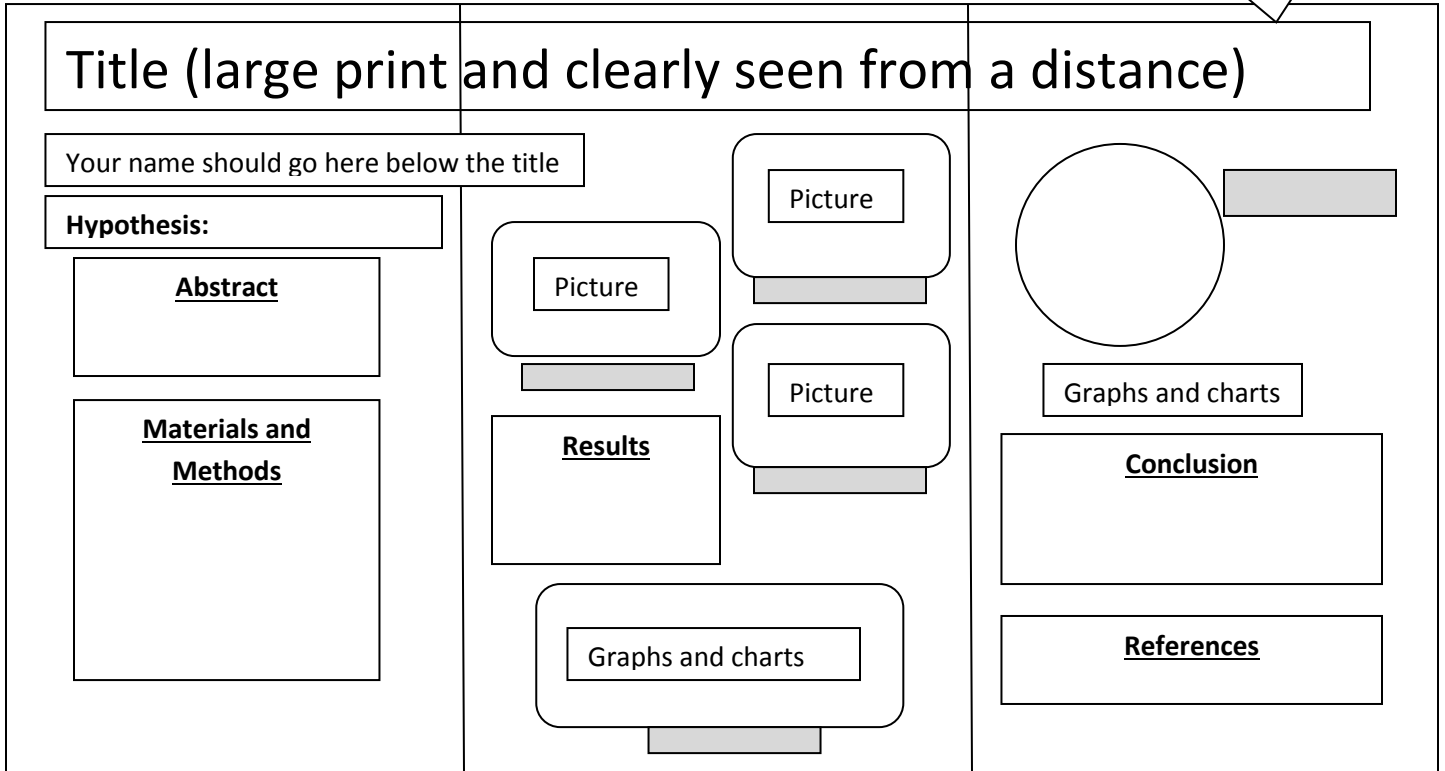
**Conclusion (limited to 1 paragraph)**

- Briefly state your findings and why you suggest that the hypothesis was supported or refuted
- Suggest future experiments you could conduct that might further help answer your original question.

## What should the poster look like?

Here is a rough sketch of what a poster presentation should look like.

Remember that the title is the question you asked before starting the experiment.



**NOTE:** Student posters do not have to look exactly like this, this is a general outline. Theirs may be different depending on the experiment.

**PLEASE BE SURE TO LABEL ALL PICTURES AND GRAPHS CLEARLY** (*the gray boxes above represent labels for the pictures and graphs*)