



Photo by Chris Liverani

Final Visual Project

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Objective

Students should tie together multiple aspects of this lab curriculum into a final visual project, to practice communicating science by creating a poster or other types of presentation depicting the connections between several different labs they have completed.

Background

It is extremely important for scientific researchers to be able to communicate their results to the public. So along with practice conducting research, it is important to practice presenting it, and making it accessible to the public. A successful way this can be done is through the use of visuals. This can mean pictures and graphics to support your findings, or through art projects that may peak the interest of the community. This is an open-ended project, where you should think creatively to connect the different labs you have completed and what you have learned.

Short guidelines for poster preparation:

Posters should be considered a snapshot of your work intended to engage your audience in a dialog about the work.

Text

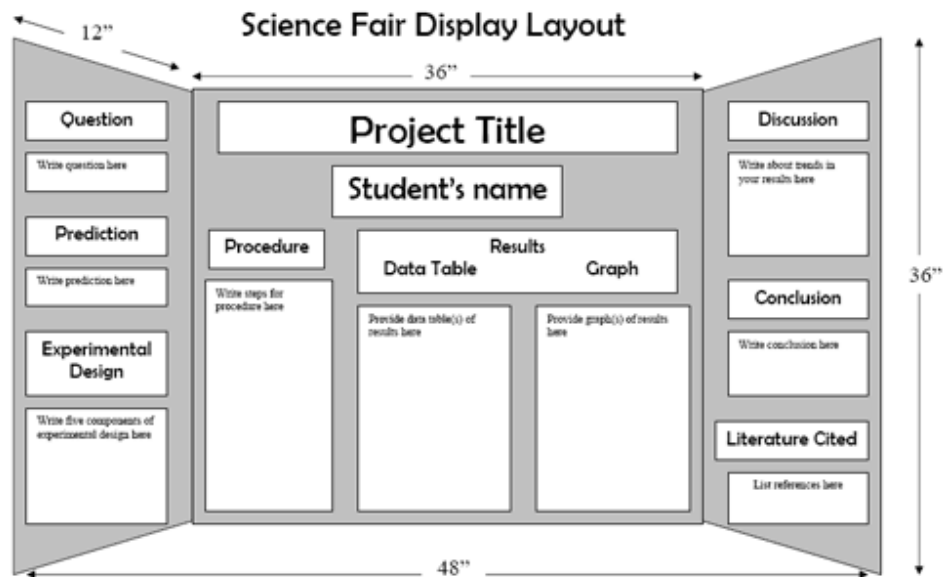
1. Less is more!
2. You need interesting title
3. Use big fonts
4. Separate sections: (sub)titles can be questions/statements
5. Guide the reader with arrows and numbering
6. Point out important findings with colors/font sizes



Figures/Pictures

1. If possible, use schematics/flowcharts
2. Have a visual element that ties together all the information you are communicating about
3. Use big pictures/big fonts
4. Put most important Figures with results at the top

Example:



Other Final Project Ideas

- Build an environmentally friendly structure
 - Ex. https://www.sciencebuddies.org/science-fair-projects/project-ideas/EnvEng_p012/environmental-engineering/can-the-color-of-your-house-reduce-your-energy-footprint#procedure
- An artistic/sculpture project relating to an environmental issue
 - <https://www.designboom.com/art/artist-reimagines-human-microbiome-intricately-cut-paper-coral-reef-rogan-brown-06-25-2018/>
 - <https://www.underwatersculpture.com/>