



Creating Your Display



You've completed your experiment, now it's time to share your results with the Chugach community. Communicating your results helps science progress and inspires others. Follow through with your experiment: create a display for the Science Share.

CONSTRUCTION

Your display must be **FREESTANDING** and able to set on a table in the hallway. The easiest freestanding presentations are made from poster boards with three sections. If you plan to take your display to the State Science & Engineering Fair, limit its size to **76 cm front to back, 122 cm side to side, and 274 cm top to bottom**. You can find three section boards at stores like Fred Meyer, Michaels, or Office Max, or you can make one from recycled materials.

LAYOUT & LABELS

Label each section to make your board easy to follow. Often, three-section display boards are organized so the left side of the board shows the information developed before doing the experiment, like the introduction and hypothesis. The large middle section shows the experimental methods and results. The right side of the board displays the conclusion and acknowledgements. If you have lots of information, put the main points on your poster and print a report with details that you can hand out.

Your Display Should Include:

- Title
- Name
- Abstract
- Introduction
- Hypothesis
- Methods & Materials
- Results
- Discussion/Conclusion
- Bibliography/References
- Acknowledgements
- Visual Aids (optional)

Title: Describe the focus of your experiment in 10 words or less.

Name: Write your name on the back of the display if you plan on taking it to the State Science Fair, otherwise it is fine to write it on the front.

Abstract: A short summary of your work 100 to 250 words long. (Recommended for everyone, required for 6th grade).

Introduction: Your introduction describes the purpose of your experiment. You explain where you got the idea for your project and how you developed your question. Include background research. Describe the narrow question you hoped to answer.

Hypothesis: Describe what you expected to see in your results. What was your educated guess? Provide a prediction about your results.

Materials & Methods: Tell what materials you used to conduct your experiment. Explain how you conducted your experiment. What did you do? What did you measure? How did you measure it? How many times did you repeat your experiment?

Results: Show and summarize your data. The numbers you measured go in this section. Use graphs, tables, and figures to communicate your results.

Discussion/Conclusion: Did your data support or refute your hypothesis? Explain what happened and what you learned. Write a summary that refers back to your original question. Describe anything else you learned while doing this experiment and ideas of ways to use this new information. How will this information be helpful, and who will benefit from this research? What new questions have you thought of based on your results?

Bibliography/References: Be sure to list the information sources that you used.

Acknowledgements: Be sure to thank anyone who helped you.

Visual Aids: Collections of photos, drawings, graphs, data notebooks, etc. in a folder are instructional aids to put by your display board. Some students bring equipment used to demonstrate methods. These should fit on the table in front of the display board. For safety, please only bring photos of liquid, mold, plants, sharp, poisonous, or breakable objects. When you come for Science Share, you can bring more items that you can supervise.