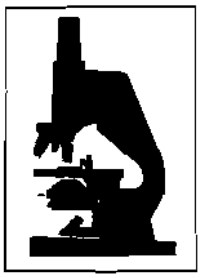
Science Fair Project Checklist



Clermont Elementary School

Your project should include all of the following items. Be sure that you double-check each of these items before you turn in your project.

SCIENCE PROJECT DUE DATE IS MONDAY, NOVEMBER 28th!

Science Fair Categories:

Biological Environmental
Physical Consumer

❑ 1. TITLE

This can be your question or a catchy phrase that has to do with your topic.

❑ 2. PURPOSE/STATEMENT

Tell why you are doing this project. What are you trying to discover? What interests you about this topic? Why did you choose to do this experiment?

❑ 3. HYPOTHESIS

This is an educated guess, written in an if … then … statement. If I do _____, then _____ will happen.

❑ 4. PROCEDURE

A. Materials

List what you used to perform your experiment.

B. Step-by-Step Instructions

Tell exactly what you did.

(To be a fair test the experiment must be repeated at least 3 times.)

C. Variables

Controlled Variable(s) – What stays the same in the experiment.
Independent Variable – What you will change in the experiment.
Dependent Variable- What you measure or observe in the experiment.

❑ 5. RESULTS

A. Written

Record what happened in your experiment.

B. Pictorial

This is where you place your photographs, illustrations, data table(s), and graphs.

❑ 6. CONCLUSION

State whether your results support or do not support your hypothesis. What did you learn from this experiment? Compare and contrast your data. Remember that this is the most important part of your project.

❑ 7. BIBLIOGRAPHY

What sources did you use in this project? This might include science fair idea books, reference books, internet sites, or even people.

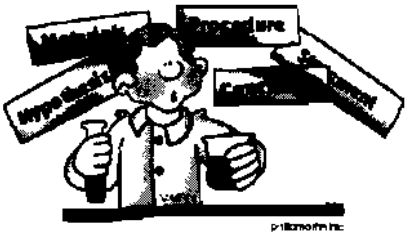
❑ 8. LOG BOOK

This should be a notebook or folder that includes your recorded data such as the research notes you made, dates and times, observations, etc. It also includes your abstract.

❑ 9. ABSTRACT

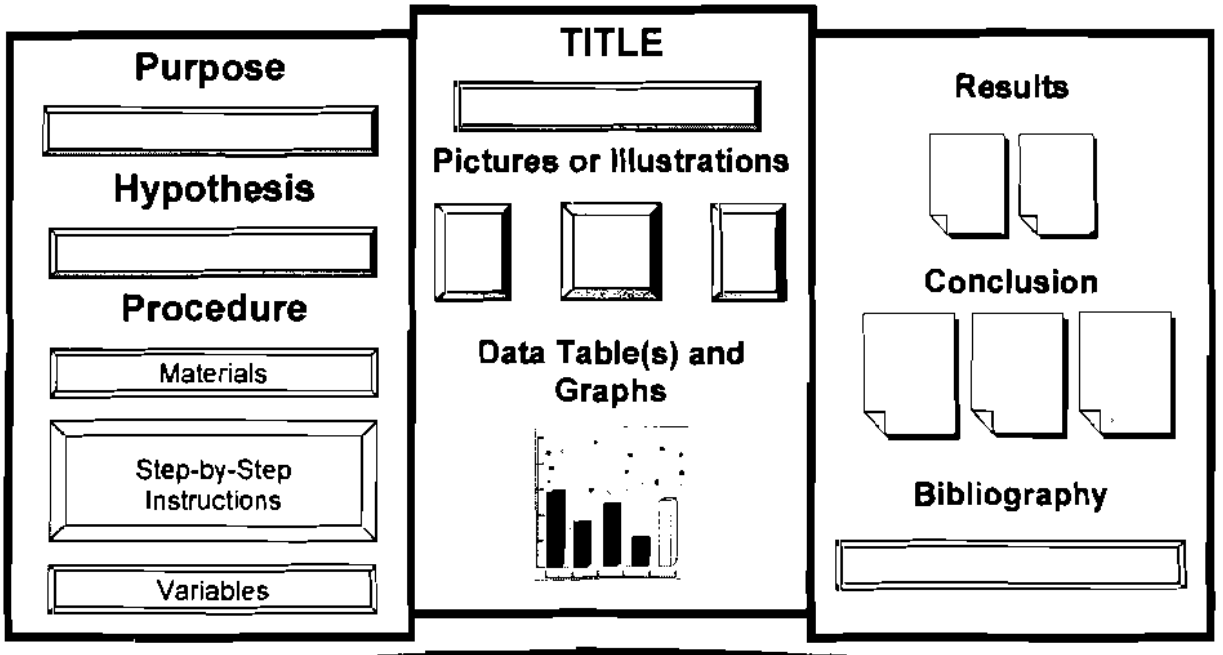
An abstract is a written summary of your entire science project. It is the first page of your log book. Your abstract should include:

- The purpose of the experiment
- The procedures you used
- The data you collected
- What you have concluded from doing the experiment.



Do not put your name on the front of your project. Post the signed Parent/Guardian form on the back of your project board. NO MOLD OR BACTERIA EXPERIMENTS! See the Parent/Guardian form for more information regarding items not to include.

SAMPLE SCIENCE FAIR DISPLAY



This area is on a tabletop in front of your display board and is used to display the log book from your experiment. Your abstract should be the first page of your log book.

Science Fair Category Descriptions

- **Biological Sciences:** This includes projects that deal with humans, animals, or plant studies.
- **Environmental Sciences:** This is any study that deals with pollution of air, water, or land. It is also any study dealing with energy conservation.
- **Physical Sciences:** This is any study of the laws of matter including chemicals, light, sound, magnetism, the earth, and the stars.
- **Consumer Sciences:** These are the studies of providing for the well-being of individuals and households in the context of how they are influenced by marketplace institutions and communities.

Follow the project board illustration above to set up your display board. Make the board accurate, organized and attractive. Remember – the display board is the first thing a judge sees before they look at your experiment. Make a good first impression! Doing your writing and labeling by computer looks professional and neat. A good idea is to back or frame all of your titles and work with a colored paper. Use a maximum of three different colors. Think of sports teams' colors. They usually look good together. Take your time and do a job of which you can be proud! Do and show your best work!

RS/revised 2010

Clermont Elementary Science Fair Timeline

- **October 17th-21st**
  - Students think about what science category they are interested in; Biological, Environmental, Physical or Consumer Science.
  - If students know what science project they want to do, they can begin science projects at home this week.
- **October 24th-28th**
  - If still undecided, students narrow down and choose science fair project.
  - Students who have not begun their science projects should determine a topic and begin this week.
- **October 31st-Nov. 4th**
  - Students work on science project at home.
- **November 7th-25th**
  - Students work on science project at home. ***SCIENCE PROJECT DUE TO TEACHER ON MONDAY, NOV 28TH***.
- **November 28th-December 1st**
  - Nov. 28th / Teachers collect and review projects.
  - Nov. 29th / Science projects are set up in gym for judging.
  - Nov. 30th / Science projects judged.
  - Dec. 1st / Science Fair in gym from 5:30 – 7:00 PM. Awards given at 7:15 PM.
  - Dec. 2nd/ Students take science projects home.

Cut below on the dotted line, have your parent/guardian complete the form and attach the form to the back of your science project.

Clermont Elementary School Science Fair 2011 – Parent/Guardian Form

Student's Name _____ **Teacher** _____

Grade _____ **Name of Science Project** _____

Project Category ☐ **Biological Science** ☐ **Environmental Science** ☐ **Physical Science** ☐ **Consumer Science**

I (the parent/guardian) understand that the following items <u>may not</u> be displayed with my child's science project:

No project is to be done involving MOLD or BACTERIA.
Pictures of people (other than the student doing the project) or animals
Any living or dead organisms – plants or animals
Anything which was once living, including parts of them
Food – for human or animals
Soil or waste samples
Liquids – in any type of container
Dry ice or anything similar
Sharp items or sharp edge items
Flames or anything flammable
Empty tanks or containers
Any type of glass item or container
Batteries with open tops
Awards, medals, business cards, etc.

**** SORRY, THESE ITEMS WILL NEED TO BE <u>REMOVED</u> IF BROUGHT TO THE FAIR.****

If performing the science project includes the use of chemicals (ex. bleach, corrosive cleaning material) I (the parent/guardian) will discuss any possible risks or problems with the teacher.

_____ _____

Parent/Guardian Name (printed) **Parent/Guardian Signature**

**** PLEASE ATTACH THIS FORM TO THE BACK OF THE DISPLAY BOARD ****

Clermont Elementary School Science Fair Project

Having trouble finding a science fair project idea?

Here are some websites that may help:

- http://www.ipl.org/div/projectguide/
- http://school.discoveryeducation.com/sciencefaircentral/
- http://www.science-projects-resources.com/
- http://www.all-science-fair-projects.com/
- http://www.sciencebuddies.org/
- http://www.terimore.com/