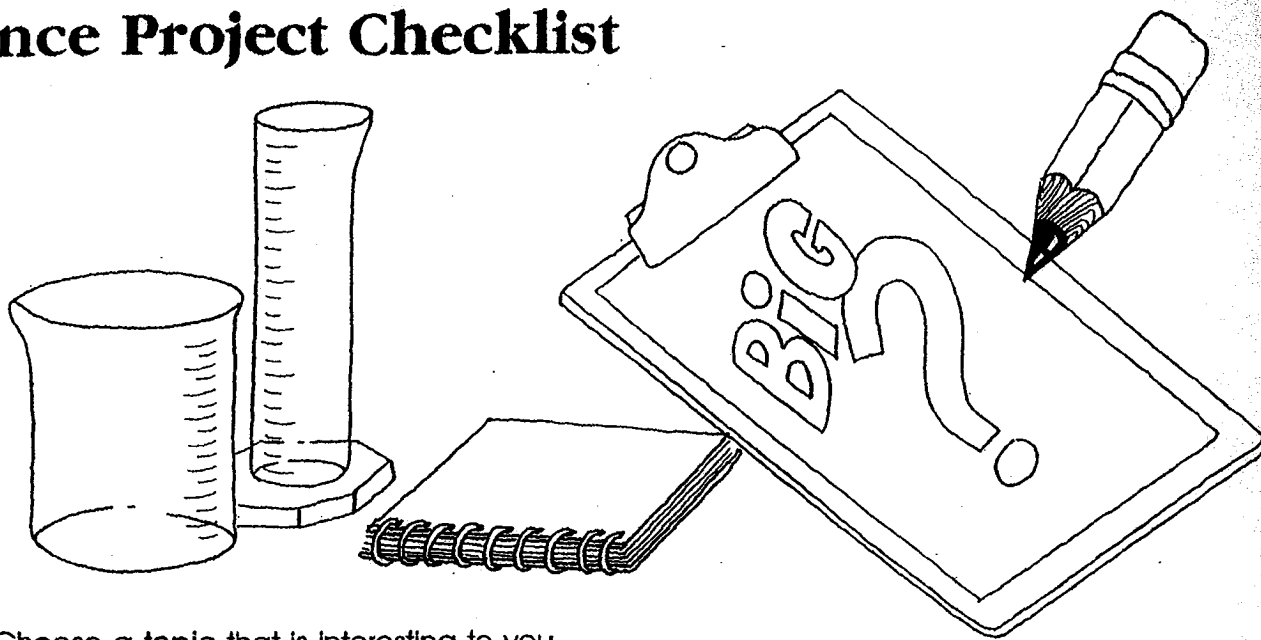


Science Project Checklist



1. Choose a topic that is interesting to you.
2. Write a Big Question that you can investigate by yourself.
3. Research your topic using books, encyclopedias, magazines and information from professionals, such as doctors, nurses, engineers, researchers, teachers, veterinarians and librarians.
4. Form a hypothesis, or good guess about what the outcome of the experiment will be.
5. Write a step-by-step procedure to test your hypothesis.
6. Make a list of materials that will be needed for your investigation.
7. Make a chart that will help you when collecting and organizing data.
8. Carefully conduct your experiment, being sure to follow the science safety rules. Keep careful, written records of the results in a notebook.
9. Draw a conclusion and organize the results of your experiment on easy-to-read charts and graphs.
10. Write a report that includes your Big Question, hypothesis, step-by-step explanation of your experiment, results, and conclusion.
11. Construct a display, using charts, graphs, photos, illustrations, signs, models and/or demonstrations of your experiment.
12. Prepare an oral presentation to explain your project to others.



Science Fair Rubric

Project Number: _____ **Judge's Name:** _____
Student(s): _____

Objectives	Outstanding Work	Acceptable Work	Needs Some Work	Needs Lots of Work
1. Shows knowledge of the Scientific Method	4 - Can explain all 6 parts of an experimental science project; and justify conclusion.	3 - Can explain at least 5 parts of an experimental science project with understanding	2 - Can explain most parts of an experimental science project with the help of the display board.	1 - Tries to answer questions (posed by judge) and/or has some steps missing.
2. Shows enthusiasm and interest in the project	4 - Student eager to tell all about the project.	3 - Student is pleasant and willing to share information.	2 - Student tells about the project only when asked a question.	1 - Student answers some of the about the project.
3. Speaks knowledgeably about the project	4 - Student able to share many details about the project through the scientific process.	3 - Student shows an understanding of the project.	2 - Students knows about the project and offers minimal explanation.	1 - Student can answer some questions when asked.
4. Written document clearly demonstrates use of research, experimentation and analysis skills	4 - Booklet has Cover, Table of Contents, Research Data, Experiment Data, Bibliography.	3- Booklet has Cover, Table of Contents, Research Data and some of the Experiment Data.	2 - Booklet has Cover, Some Research, Some Data.	1- Booklet is minimal or does not exist.
5. Presents data on a board that is well organized and visually appealing.	4 - Board shows data in a organized, neat manner, complete with charts, tables and pictures that are labeled.	3 - Board is neat and attractive and has limited charts, tables and pictures.	2 - Board list major headings of the scientific process and some data.	1 - Board list major headings of the scientific process and limited data.

Total Score: _____

Positive Comments: