**STUDENT’S PACKET**

**FOR**

**EINSTEIN’S SCIENCE FAIR**

SCIENCE FAIR GUIDELINES1

The Einstein Science Fair is not affiliated with the Intel Science Fair. <https://student.societyforscience.org/intel-isef>

1. Number one rule. . . think safety first before you start. Make sure you have recruited your adults to help you.
2. Never eat or drink during an experiment and always keep your work area clean.
3. Wear protective goggles when doing any experiment that could lead to eye injury.
4. Do not touch, taste, or inhale chemicals or chemical solutions.
5. Respect all life forms. Animals are not allowed to be used in experiments. Do not perform an experiment that will harm a person.
6. All experiments should be supervised by an adult.
7. Always wash your hands after doing the experiment, especially if you have been handling chemicals.
8. Dispose of waste properly.
9. Any project that involves animals, drugs, firearms, or explosives are NOT permitted.
10. Any project that breaks local, state, or federal laws are NOT permitted.
11. Use safety on the Internet! NEVER write to anyone without an adult knowing about it. Be sure to let an adult know about what websites you will be visiting, or have them help you search. Earn your Cyber Chip.
12. If there are dangerous aspects of your experiment, like using a sharp tool or experimenting with electricity, [[1]](#footnote-1)have an adult help you or have them do the dangerous parts.

DISPLAY FORMAT

Use a tri-fold to display your work.

Show aspects of the Scientific Method in your display:

* Purpose – Ask an investigable question
* Hypothesis – Give an educated guess that answers the project question
* Materials – List the materials used in the experiment
* Procedure – Describe step-by-step how the experiment is carried out
* Data/Results – Present tables or graphs that show data you have collected
* Conclusion – Compare your results to your hypothesis

Photographs or drawings help explain your work. This is a visual way to convey how you conduct your experiment.

Here’s a sample layout:

TITLE

HYPOTHESIS

PURPOSE

CONCLUSION

MATERIALS

PROCEDURE

PICTURES, DATA, GRAPHS

RESULTS

ORAL PRESENTATION

Wear your Scout uniform.

Relax, smile, and have fun. You know your work better than anyone else.

Here’s some hints adapted from1

* Introduce yourself. State the title of your project and explain why you chose this project.
* State your problem that you studied (your question.) Tell them about your hypothesis (what you thought might happen.)
* What experiments did you perform? What did you learn by them?
* Show your tables and charts (if you have them). Explain what your data means. Let them know if you were surprised by the results, or if you know what would happen because you studied about it.
* Make sure you sound like an expert on your topic. Always use the appropriate vocabulary especially by using words from the Scientific Method, like: Problem, Hypothesis, Procedure, Results, and Conclusions

**WEBSITES FOR REFERENCE**

1. Science Buddies

<https://www.sciencebuddies.org/>

1. Science Fair Project Resource Guide (the website does not work?)

<http://www.ipl.org/div/projectguide/>

1. Super Science Fair Projects

<http://www.super-science-fair-projects.com/>

1. Adapted from <https://www.phsd144.net/cms/lib3/IL01001725/Centricity/Domain/572/ScienceFairPacket.pdf> [↑](#footnote-ref-1)