

LIBERTY RIDGE

SCIENCE FAIR

Wednesday, March 6th 2019 at 6-8 pm

Sign up for our Liberty Ridge Science Fair!

EARN GREAT PRIZES!

Please return the front page of this packet.

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**PLEASE TURN IN YOUR FORM BY FEBRUARY 20, 2019
TO RESERVE YOUR SPOT!**

Students may work in groups of up to 3, if they wish. Please fill out a registration form for EACH student and specify with whom they will be working. Please return the front page of this packet.

Student name: _____ Grade: ____ Teacher: _____

Student name: _____ Grade: ____ Teacher: _____

Student name: _____ Grade: ____ Teacher: _____

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PARENTS! Please consider helping out by volunteering as a judge. It's a fun and easy way to teach and inspire kids. If you have a science background, that's even better!

* I can volunteer! Name: _____

Email: _____

Student: _____

Student's Teacher/Grade: _____

QUESTIONS? Email Dawn Bakst at drbakst10@yahoo.com.

PROJECT IDEAS

Need help choosing a project? Check out:

- The attached handout
- <https://www.sciencebuddies.org/>
- <https://www.education.com/science-fair/>
- Pinterest

SAFETY RULES

PLEASE RESPECT THESE RULES TO MAKE OUR SCIENCE FAIR GO SMOOTHLY.

1. Respect other student's projects.
2. No live animals.
3. No electrical cords! Electricity can be supplied from batteries only.
4. Your project may not inflict harm or pain on any living thing.
5. No dangerous chemicals.
6. No open flames.
7. All science activities should be done under adult supervision.
8. Never touch or taste chemicals that are of unknown origin.
9. Wear safety glasses when appropriate.
10. Wash your hands thoroughly before and after your experiments.

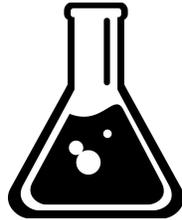
NOTE TO PARENTS

The purpose of the Science Fair is to give students a chance to ask questions, explore and learn independently. The learning process and experience is so much more important than the finished project. Please encourage your child to explore his/her curiosity. The role of parents is to provide guidance, assistance, and encouragement.

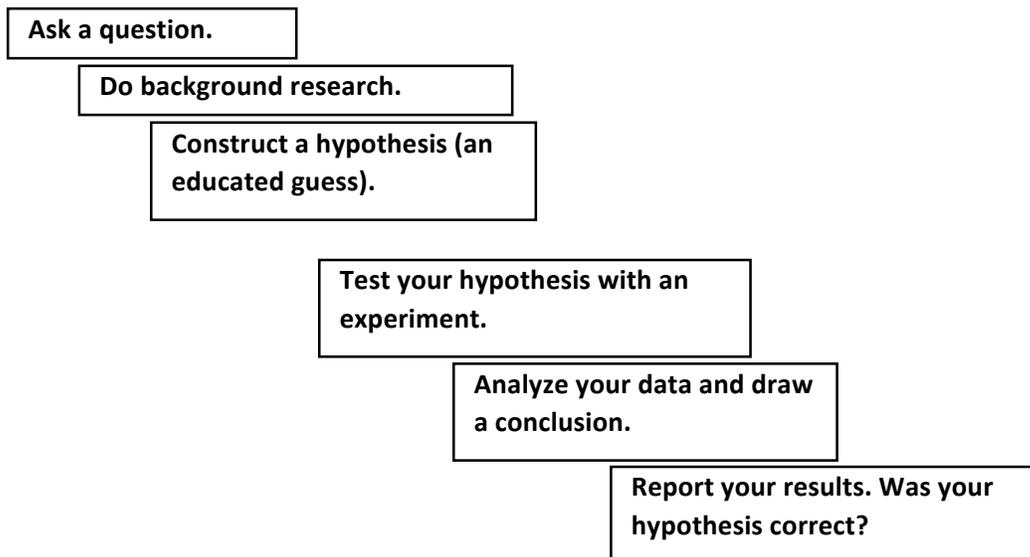
SCIENCE FAIR PROJECT CATEGORIES

There are three basic ways to complete a science project: (1) By conducting an experiment, (2) By displaying a collection of objects, or (3) By illustrating a scientific fact.

1. Conducting an Experiment is simply asking a question and using the Scientific Method to try and find an answer. Ask a question, do some background research propose an answer (called a “hypothesis”), test your hypothesis, look at the results, and report your findings. Was your hypothesis correct? Your hypothesis does NOT need to be correct for you to have a successful experiment!



The Scientific Method:



2. Displaying a Collection of Objects involves gathering items that are related by some scientific principle. A popular example is a rock collection consisting of igneous, sedimentary, and metamorphic specimens as well as some local rocks. The author can set up a quiz for the visitors to determine to which of the three major categories a test rock belongs.

3. Illustrating a Scientific Fact is similar to conducting a scientific experiment, but it begins with the selection of a known principle. For example, the student may choose the set of facts relating to water buoyancy: “Objects that are denser than water sink. Objects that are less dense float. Objects that are equally dense are suspended.” The student may collect samples of materials such as aluminum, Styrofoam, quartz, ice, Jell-O, etc. and demonstrate their behavior in water.

