Grades K-5

Bullard Elementary Science Fair

Science Project Drop Off: K-2nd: Tuesday, March 7th
Science Project Drop Off: 3rd-5th: Wednesday, March 8th
*You will drop off projects in the media center when you arrive at school.

What's is the Bullard Science Fair?

This is an opportunity to explore the wonderful and amazing world of science, and then share your learning with others. Participation in the science fair is voluntary and projects will be completed at home. The county competition is only 1st-5th, but we wanted to offer the opportunity to kindergarten to participate in our school level competition. Awards for 1st, 2nd, and 3rd place will be given to all grades. The top project in each grade level from grades 1-5 will advance to the county competition. The county competition will be held in person with their project boards on April 15th at Osborne High School.

What do I have to do to enter the Bullard Science Fair?

Your project must be an experiment and you must follow the scientific method (see guidelines on the next page). Once you complete your experiment, you must display your experiment and results on a project board. Choose a topic that interests you and remember that your project does not have to be complicated to be a good project. Parents are encouraged to assist children, but the student must be the main scientist. The role of parents is to provide encouragement, assist in choosing a topic, provide materials, help test ideas, and offer an extra set of hands and eyes. Basically, parents are the lab assistants!

Once I complete my project then what?

You will drop your completed project board off on your designated day. Judging will take place during a closed session by a panel of impartial judges.

Questions?

Please contact Katie Greene at **katie.greene@cobbk12.org**

Project Requirements for Science Fair

Please read carefully.

Project displays must follow the minimum requirements below or they will be disqualified.

Display Board:

- must **stand on its own** (we suggest purchasing a display board at an office supply store)
- **title and subheadings** must be large and bold and clearly visible on the display board
- display should be neat and easy to read
- photos, pictures, and diagrams are included to help show what was done
- all parts of the **scientific method** (see below) are included on the display
- all extra materials must fit in front of the display
- list your **name, grade, and teacher** on the **BACK** of your display board

Display Sections: ***DO NOT PUT YOUR NAME ON THE FRONT OF YOUR DISPLAY BOARD***

Title: Your title should be catchy so it captures the judges' interest and quickly conveys your topic.

Question: Your question should be testable and it should drive your research.

Hypothesis: Your hypothesis is a prediction of what you think will happen when you conduct your experiment. It should clearly answer your project question.

Background: The background section is sometimes called the purpose. This is where you include information that you already know about your topic. You also explain why you chose the project and what you were hoping to learn from the project. Cite one or more sources from one or more types of resources and connect the research to your question in your own words.

Materials: List all of the materials that you will need to complete your experiment. Be specific about the size and the quantities of each item.

Procedure: The procedure portion of your project is a list of directions you follow to complete your experiment. The directions should be in order and detailed enough that someone else could follow them. A picture is worth a thousand words, so don't be afraid to include photos. When you test your hypothesis, make sure that your experiment is carefully controlled. Your variables (conditions you deliberately change) should be tested one at a time while keeping everything else constant. You should complete the experiment three different times for validity.

Results: Include measured results of your experiment in paragraph and graph or table form. Measured results are found by counting, measuring distance/weight/mass, recording temperature, etc. Since you will conduct your experiment three times, you will have three different sets of recorded data.

Conclusions: This is where you explain the results of your experiment in the form of a statement. **Make sure to state if your results support your hypothesis or not.** If your results were inconclusive, then your statement should include the changes you would make to improve your experiment. You may also include other things that you learned, problems you encountered and solutions to those problems.

You may NOT do experiments with molds or bacteria of any kind, as these can be particularly hazardous to student health.

Online Resources You May Find Useful

http://www.sciencebuddies.org/
http://www.sciencefair-projects.org/
http://school.discoveryeducation.com/sciencefaircentral/
http://www.all-science-fair-projects.com/
https://www.education.com/science-fair/

Examples of Project Boards