

# Bullard Elementary Science Fair

Calling all future scientists! The Bullard Science Fair 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 1st-5th will advance to the county competition.

The Cobb County Elementary Science Fair will be on Saturday, April 26th from 8:30 am- 2:30 pm at the Cobb Innovation & Technology Academy. Bullard will have an awards ceremony for all participants. Date TBA.

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

1. Complete an experiment following the scientific method.
2. Create a display to present your project that follows the minimum requirements and regulations listed on the back.

## Display Requirements

**Title:** The title and subheadings must be large, bold, and clearly visible on the display. Your title should be catchy, so it captures the judges' interest and quickly conveys your topic. List your name, grade, and teacher on the BACK of your display board.

**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 the materials that you used to complete your experiment. Be specific about the size and the quantities of each item. All extra materials must fit in front of the display.

**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.

## Display Regulations

To prepare students for competition at the middle school level, all elementary student projects will follow the same guidelines set forth by GSEF, by which the Cobb-Paulding Regional Fair abides. Display dimensions cannot exceed 30 inches deep, 48 inches wide, 72 inches tall (from table to top). **You may NOT conduct experiments with molds or bacteria of any kind, as these can be particularly hazardous to student health.**

**\*Contact Mrs. Berry or Mrs. Romanowski for questions or more information.**