

Sample Student Abstracts

Below are samples of actual project summaries/abstracts from the 2004 Elementary Science, Engineering, and Technology Fair. The summary/abstract is used to determine whether or not the project qualifies for competition in the Elementary Science, Technology, Engineering, and Technology Fair based on the fair Rules and Regulations as they are described on pages 9 and 10. The project summary/abstract is also used to determine the content area of the project for purposes of awards.

The following sample project summaries/abstracts are reproduced without correction exactly as they were sent for registration.

Name: Christopher

Grade: Fourth

Name of Project: Food Batteries

In my project I'm trying to see which food would make the best battery. My hypothesis is that the more acidic the fruit or vegetable the better the battery because the acid reacts with the metal wire or nail to create more energy. In my investigation I will test and record the pH value of an apple, banana, carrot, lemon, orange, and potato by squeezing juice onto pH paper. Then I will insert a galvanized (sic.) nail, and a copper wire into each fruit or vegetable. I will make sure that the copper wire and nail are always 1 (sic.) inch apart. I will hook the nail and wire to the alligator clips and connect the other end of the alligator clips to the multi-meter. Then, I will turn on the multi-meter, measure and record the electric voltage produced by each fruit or vegetable. This should let me know if acid affects the amount of electricity produced by each fruit or vegetable.

Name: Caelan

Grade: Fourth

Name of Project: Different Waters

I wanted to find out how different waters effect (sic.) the way plants grow. My experiment was started with seeds from the same seed packet, same kind and amount of soil, and the same size pot. They were then placed in a window with southern exposure. I did this because I wanted them to grow at the same time and control as many variables as possible. After three weeks of growth I labled (sic.) and began watering with 3 (sic.) kinds of water. I (sic.) tap, dishwater (Grey) and bay water (Brackish). Over the next 3 (sic.) weeks, I watered twice a week with 2 oz. of each kind of water. I also oserved (sic.) them.

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Project Topic Proposal



Form due **NO LATER** than Friday, January 31, 2014

Name _____ Date _____

My purpose question is: _____

I plan to _____

I'll keep all variables the same in my investigation except for

Independent Variable (manipulating variable) _____.

Dependent Variable (responding variable) _____.

Parent Signature _____ Date _____