



Colorado Science and Engineering Fair

2024 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: Durability of Homemade Perfumes

Finalist's Name: Gianna Murphy

School and City: La Junta Jr Sr High School, La Junta

Sponsor's Name: Julia Barta

Category: Chemistry (CHEM)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

For my project, I wanted to know what effects of changing the ratios of ingredients of homemade perfume have on the durability. I tested each trial by rubbing the substance on my wrist in a 2 inch by 2 inch square. I wrapped a plastic bag around the area and tested it every 10 minutes in a 30 minute period. Then, I recorded all of the stats and put everything on a graph. The most durable of all the trials was trial 3 (6:2:2). The other two trials were the same level of durability. My hypothesis was proven correct in the end.

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Finalist's Signature:

Date:

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with your Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.