



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: How does smell affect taste?

Finalist's Name: Destiny Aberle

School and City: Genoa-Hugo, Hugo

Sponsor's Name: Ellen Emmerling

Category: Behavioral & Social Sciences (BEHA)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

My science experiment is about how smell affects your taste. I needed to test subjects so I decided to send out permission forms through kindergarten through space and I chose between one and eight people from each grade.

I knew I needed something for my test subject to smell so I grabbed essential oils. These included Peppermint, Chamomile, Sweet Orange, and Vanilla essential oils. Next, I got a banana so they could eat it. These bananas had to be fresh and they had to be around the same amount of ripeness. To experiment I had my test subjects smell the essential oils while eating a piece of banana at the same time. My experiment went fairly well and the results were interesting. It turns out smell does affect your taste because the banana mostly did not taste like banana at all. My main question was answered And my hypothesis was proven correct.

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: *Destiny Aberle*

Date: *2-22-24*

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 you Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.