



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: Journey to the Center of the Mind

Finalist's Name: Zoe Smith

School and City: Loveland Classical School, Loveland

Sponsor's Name: C

Category: Behavioral & Social Sciences (BEHA)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

Introversion, ambiversion, and extroversion are all widely used terminology used to describe how a person mentally "recharges". Introverts enjoy time alone, ambiverts really have no preference in the matter, and extroverts need time with people. We know all this with a fair amount of certainty, but do we know how these different people perceive the world? It was hypothesized that introverts, extroverts and ambiverts would feel differently about the same image. In this experiment participants were shown varying images, generated by AI. Next, participants were asked questions about how they experienced certain social situations and how they felt about these images. It was found that introverted people tended to have a more limited range of emotion in comparison to introverts and extroverts. The expressed emotions varied from extroverts and ambiverts. There were a number of variables such as human error, unknown health conditions, and uncontrolled settings. All were controlled to the best of abilities. The conclusion is that introverted people were more likely to react less or "inappropriately" to the situation. They were worse at sensing the emotion of the situation. Extroverts reacted the opposite, often reacting with different emotions within the group. Ambiverts reacted in the middle, almost never one extreme.

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