



Colorado Science and Engineering Fair

2025 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: From Ground to Growth

Finalist's Name: Allyson Solze

School and City: Genoa-Hugo School, Hugo

Sponsor's Name: Ellen Emmerling

Category: Earth & Environmental Sciences

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

This year I did a project called "From Ground to Growth". The purpose of my project was to differentiate the nutrient levels in different types of soils. The soils I used were sand, loam soil, and clay. I tested the pH, nitrogen, phosphorus, and potassium levels in each soil. My project ended up not supporting my hypothesis. While I predicted that the loam soil would have the most overall nutrients in it, it had the least overall nutrients in it. After completing my project, I came to the conclusion that the clay had the most overall nutrients in it, with an overall score of 3.63 points. The sand had the second most overall nutrients in it, with an overall score of 3.5 points. The loam soil had the least overall amount of nutrients in it, with an overall score of 2.75 points.

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.**