



## 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: Does Microwaved Water Change How Plants Germinate or Grow?

Finalist's Name: Flynn Rodstrom

School and City: Hope Community Christian Academy, Ignacio

Sponsor's Name: Ms. Barb Swain

Category: Plant Sciences (PLNT)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

The purpose of this experiment was to see if germination or growth in plants was different due to the water used: tap water VS. microwaved water. My hypothesis states that there would be no difference in the germination or growth of the plants.

The procedure that I followed for this experiment had multiple steps. I began by planting the pea seeds into two 6-pack containers. I then placed the two 6-pack containers in two separate water trays. I filled one water tray with tap water from the faucet and the other tray was filled with microwaved water cooled to room temperature. I monitored and recorded the growth of each plant daily. This data was recorded on a computer using excel. I decided to monitor the germination and growth for a month. Once the month was over, I stopped the experiment and concluded the monitoring and recording.

The results of my experiment were as expected: the microwaved water had no noticeable effect on the germination or growth of pea plants.

*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: Flynn Rodstrom Date: 2-28-24

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.