



## 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: DIY Remedies For Getting A Stain Out

Finalist's Name: McKayla Red

School and City: Ignacio Middle School, Ignacio CO, USA.

Sponsor's Name: Bridget Roderick

Category: Environmental Engineering

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

My project tests affordable and natural ways to remove stains from shirts. Many commercial stains contain toxic chemicals, which can be harmful to both people and the environment. I attempted to determine which natural remedy of lemon juice, vinegar and baking soda would work the best on a spaghetti stain on a white shirt. My hypothesis stated the vinegar and baking soda would work best because vinegar is acidic and reacts with the chemical compounds of baking soda. I found out that vinegar and baking soda did get more of the stain out, whereas lemon juice left a yellow residue on the material.

*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.**