



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: Special Needs Pig Feeder

Finalist's Name: Elliot Louthan

School and City: Idalia School, Idalia, Colorado

Sponsor's Name: Andrea Louthan

Category: Engineering

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

This project was designed to help my sister, who has special needs, feed her 4-H pigs independently. Throughout the project, there was a lot to learn about what she can and cannot do. Building machines for a child with special needs is difficult. One has to think about many specific parts that will make it easier for her. Yet, it was a satisfying experience. Parts were taken from around the farm and purchased to create the machine that would work the best for my sister in order to feed her pigs the proper amount.

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.**