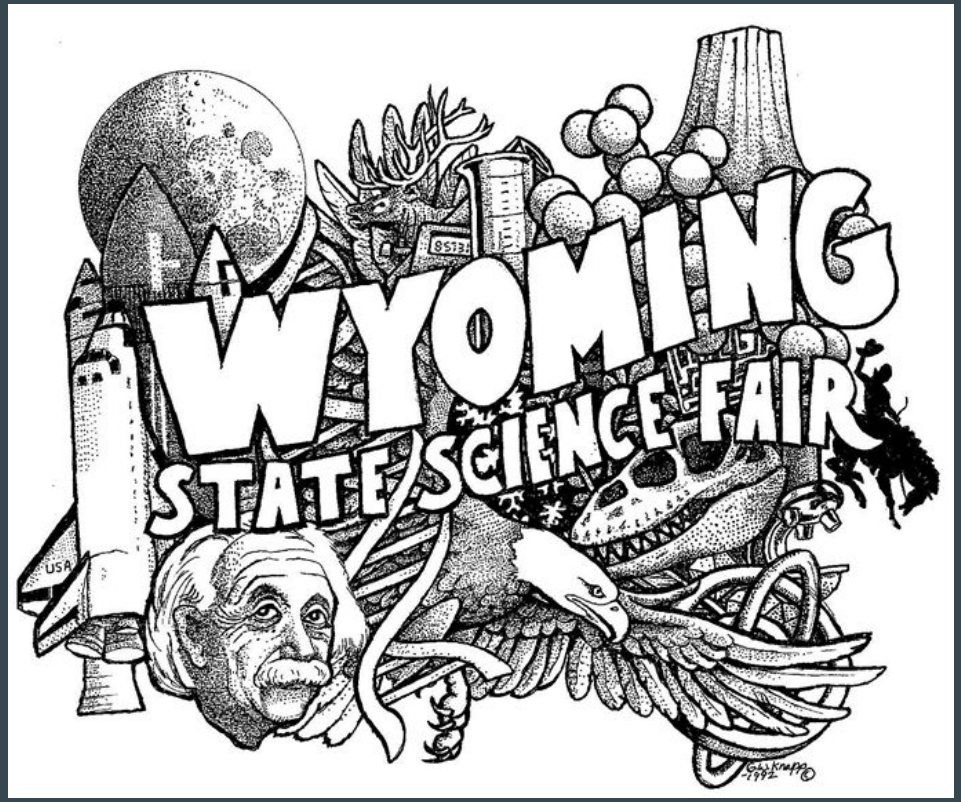
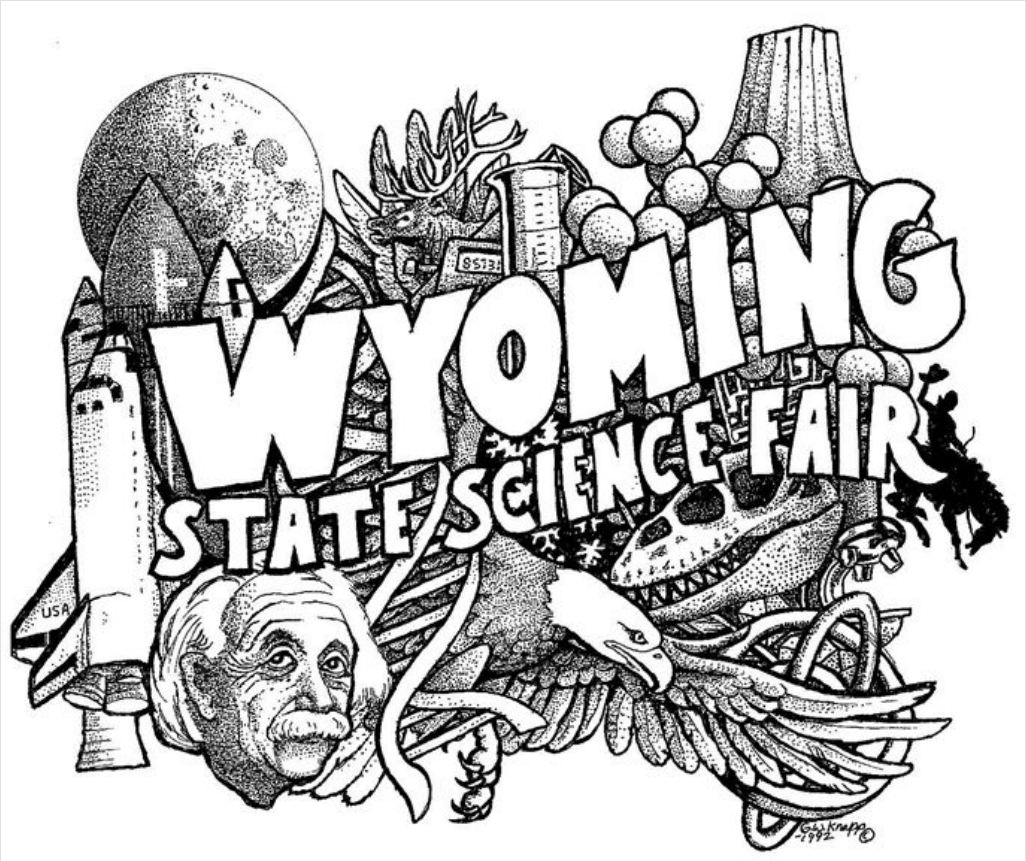
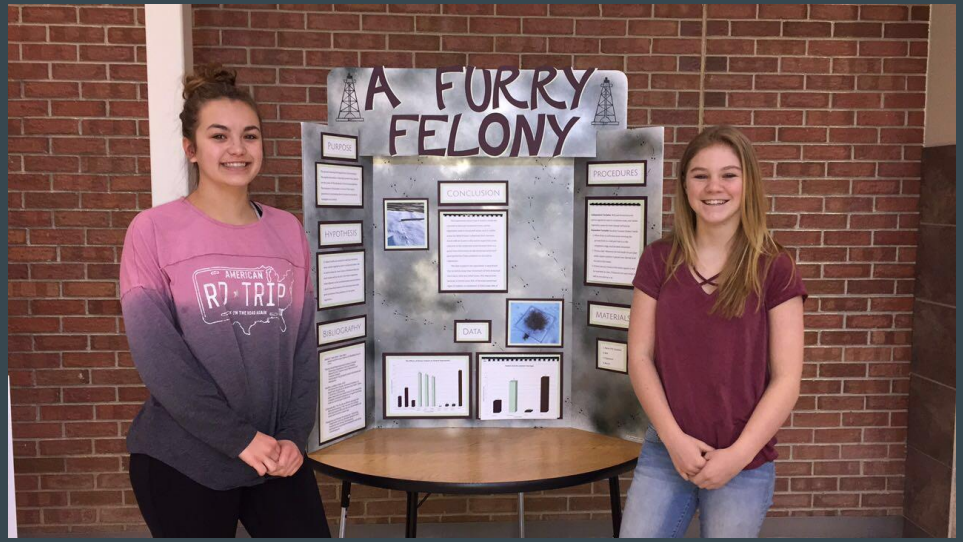
2018 Wyoming State Science Fair Awards





Animal & Plant Sciences

Animal & Plant Sciences -Junior Division



3rd Place

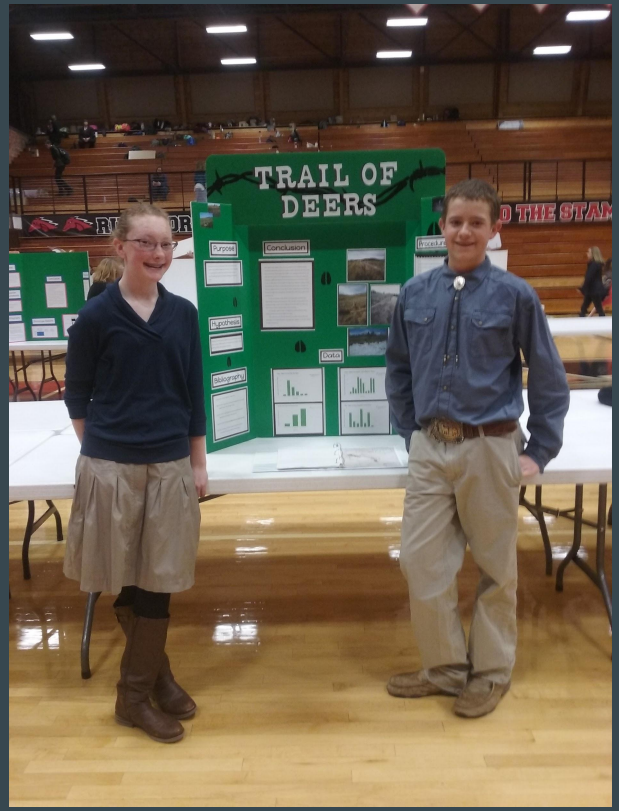
A Furry Felony

Alena Mika & Katie Labuda

Pinedale Middle School

Pinedale, Wy

Animal & Plant Sciences -Junior Division



2nd Place

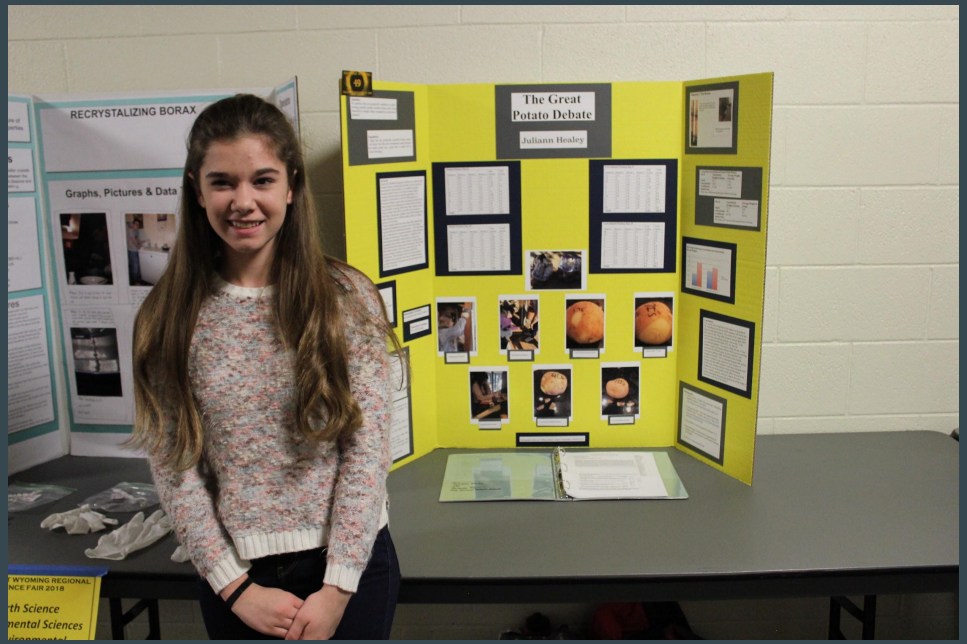
Trail of Deers

Claire & Zane Hayward

Pinedale Middle School

Daniel, Wy

Animal & Plant Sciences -Junior Division



1st Place

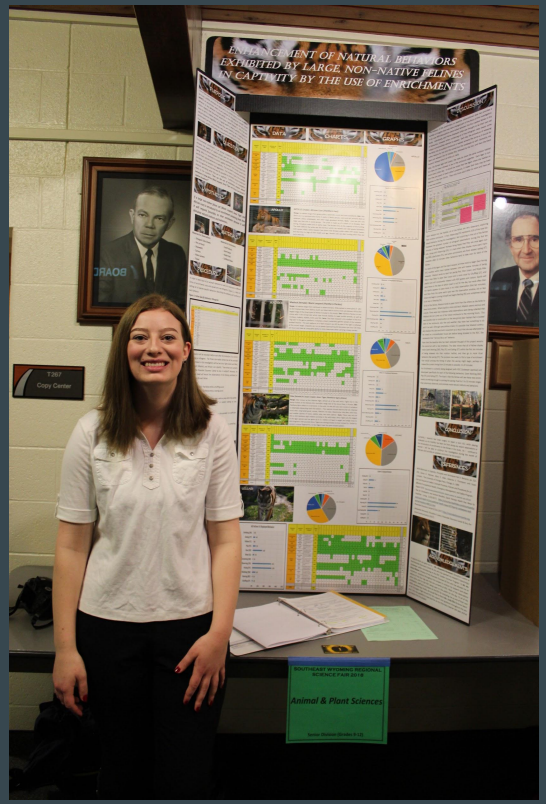
The Great Potato Debate

Juliann Healey

McCormick

Cheyenne, Wy

Animal & Plant Sciences -Senior Division



1st Place

Enhancement of Natural Behaviors Exhibited by Large, Non-Native Felines in Captivity by the Use of Enrichments

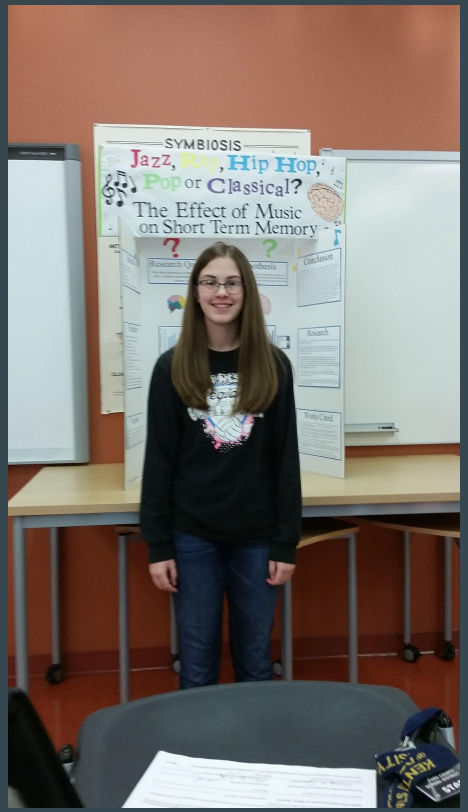
Sierra Spears

Lingle-Fort Laramie High School

Lingle, Wy

Behavioral & Social Sciences

Behavioral & Social Sciences -Junior Division



3rd Place

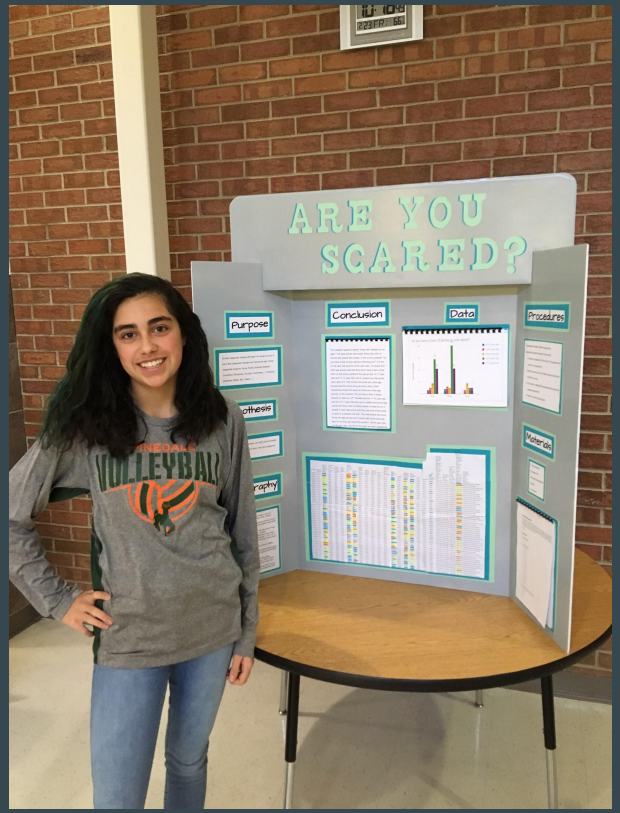
Jazz, Rap, Hip Hop, Pop or Classical? The Effect of Music on Short Term Memory

Megan Jacobsen

Powell Middle School

Powell, Wy

Behavioral & Social Sciences -Junior Division



2nd Place

Are You Scared?

Riley Mason

Pinedale Middle School

Pinedale, Wy

Behavioral & Social Sciences -Junior Division

1st Place

Playing Games With Your Health

Camden Rose

Baggs Elementary School

Cheyenne, Wy

Behavioral & Social Sciences -Senior Division

2nd Place

Stressful Colors

Emily Rushton

Newcastle High

Newcastle, Wy

Behavioral & Social Sciences -Senior Division

1st Place

Handwriting's Case in Public Literature

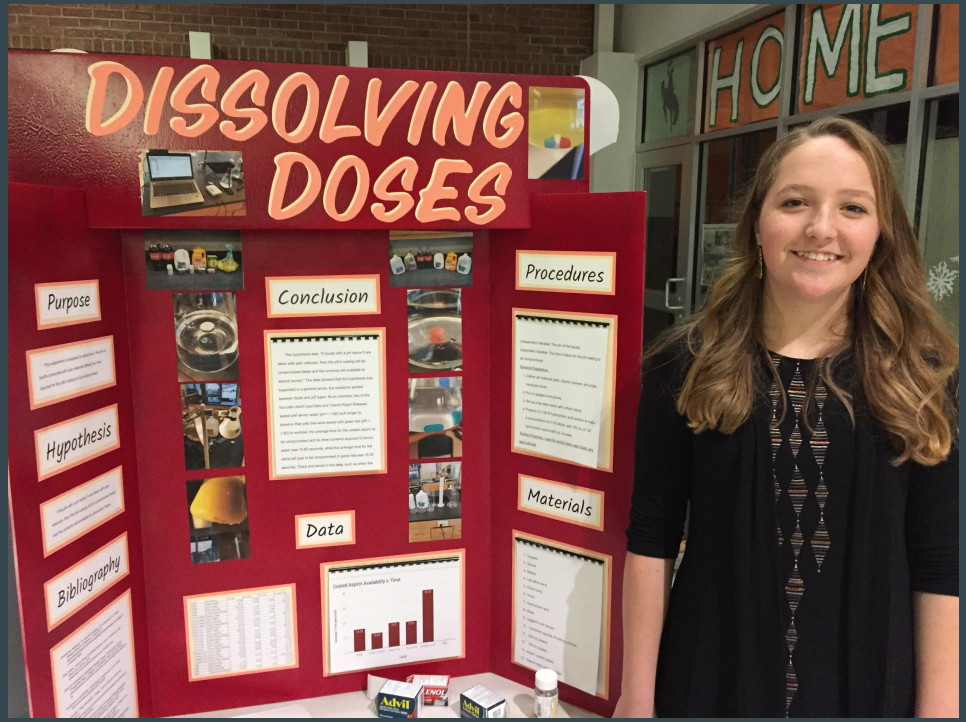
Malea Christensen

C.H.I.L.D Homeschool

Buford, Wy

Biochemistry & Biological Sciences

Biochemistry & Biological Sciences -Junior Division



3rd Place

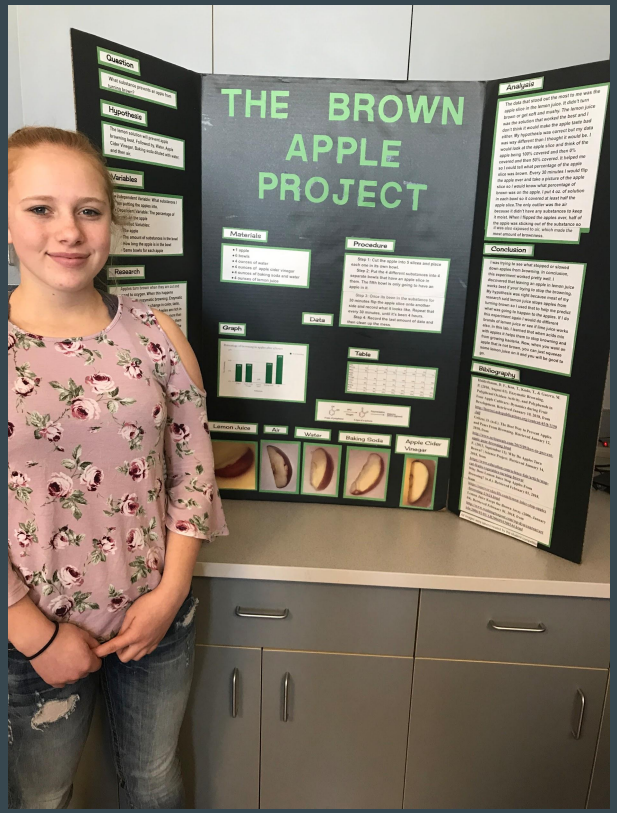
Dissolving Doses

Allison Gregory

Pinedale Middle School

Pinedale, Wy

Biochemistry & Biological Sciences -Junior Division



2nd Place

The Brown Apple Project

McKenzie Ferguson

Wheatland Middle School

Wheatland, Wy

Biochemistry & Biological Sciences -Junior Division

1st Place

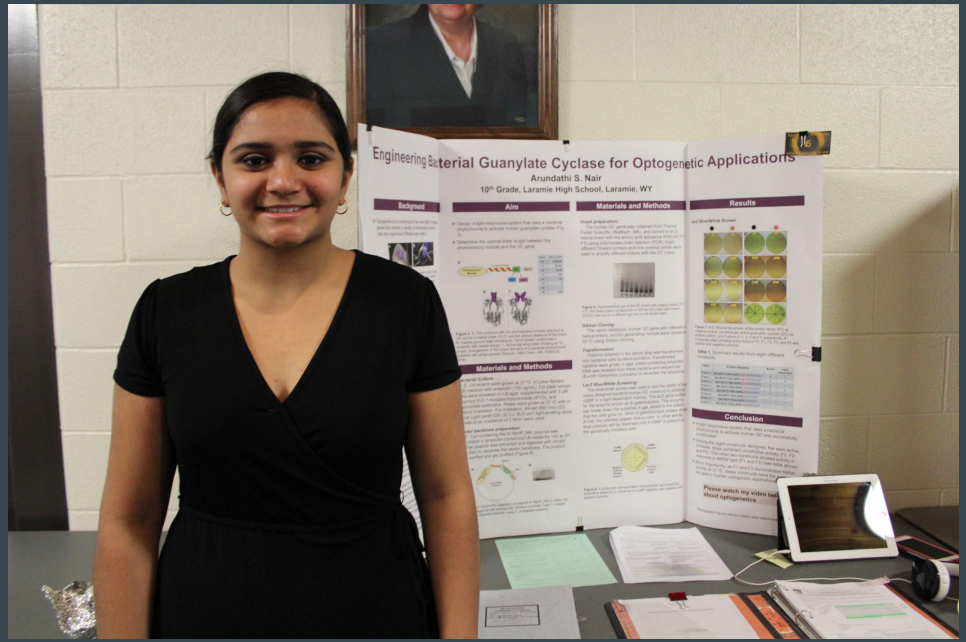
Just the Fats Ma'am

Tess Palen

Glendo Middle School

Glendo, Wy

Biochemistry & Biological Sciences -Senior Division



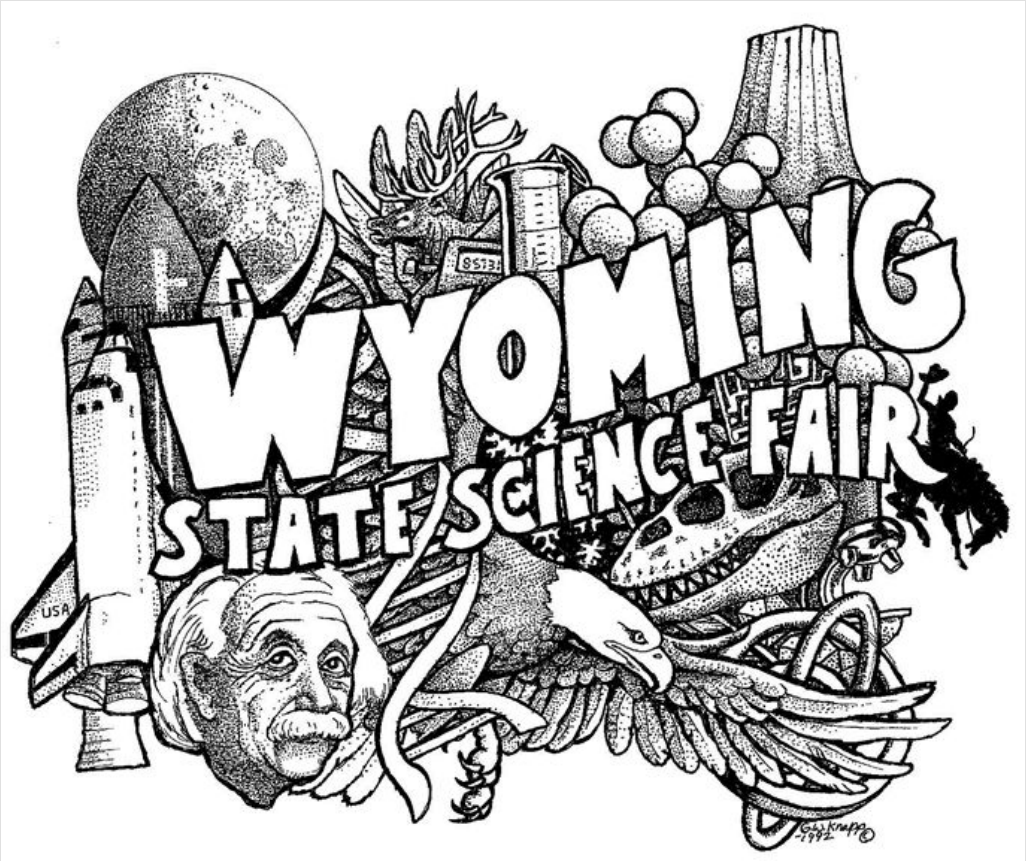
1st Place

Engineering Bacterial Guanylate Cyclase for Optogenetic Applications

Arundathi Nair

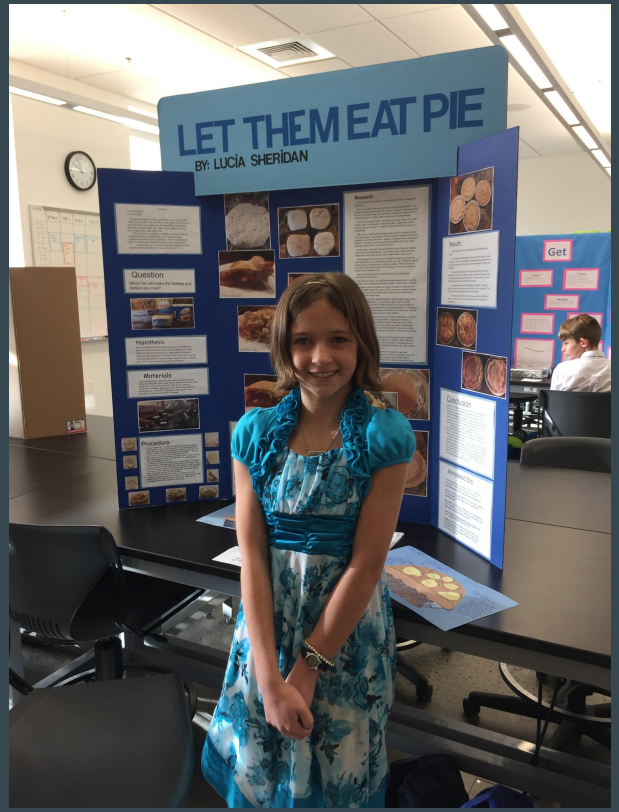
Laramie High School

Laramie, Wy



Chemistry/ Energy: Chemical

Chemistry/ Energy: Chemical -Junior Division



3rd Place

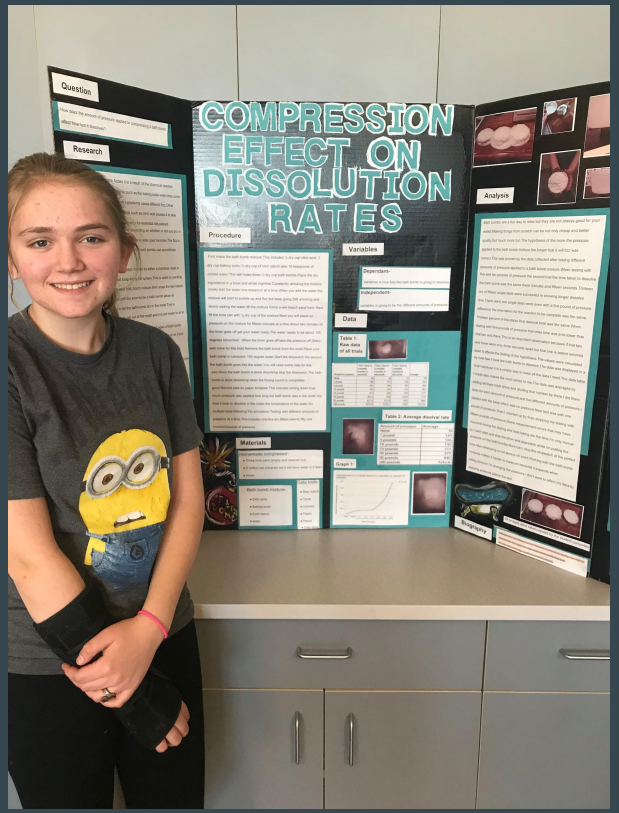
Let Them Eat Pie

Lucia Sheridan

Lander Middle School

Lander, Wy

Chemistry/ Energy: Chemical -Junior Division



3rd Place

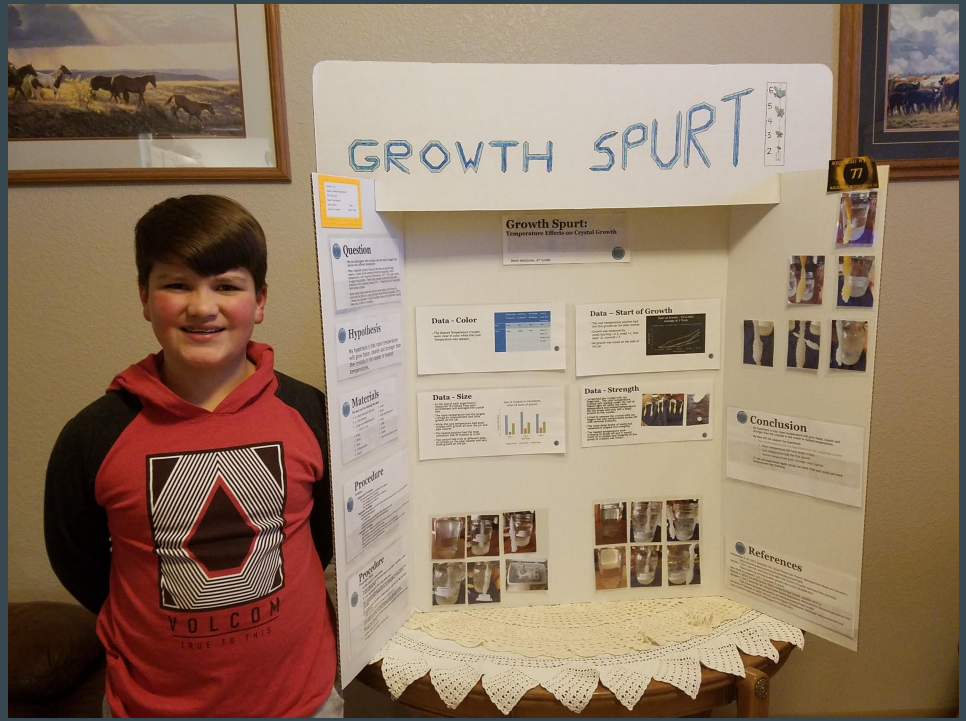
Compression Effects On Dissolution Rates

Navaeh Kuebel

Wheatland Middle School

Wheatland, Wy

Chemistry/ Energy: Chemical -Junior Division



2nd Place

Growth Spurt: Temperature Effects On Crystal Growth

Davin Mattimoe

Gilchrist Elementary

Cheyenne, Wy

Chemistry/ Energy: Chemical -Junior Division

1st Place

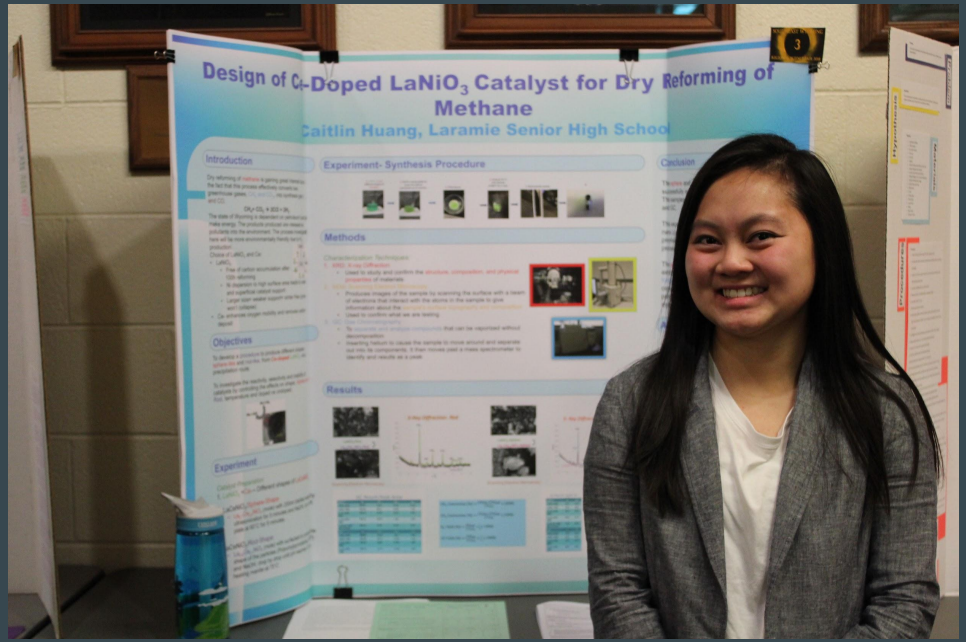
It's a Sticky Situation

Meile Chebotarev

Wheatland Middle School

Wheatland, Wy

Chemistry/ Energy: Chemical -Senior Division



3rd Place

Design of Ce-Doped LaNi03 Catalysts Orb Dry Reforming of Methane

Caitlin Huang

Laramie High School

Laramie, Wy

Chemistry/ Energy: Chemical -Senior Division

2nd Place

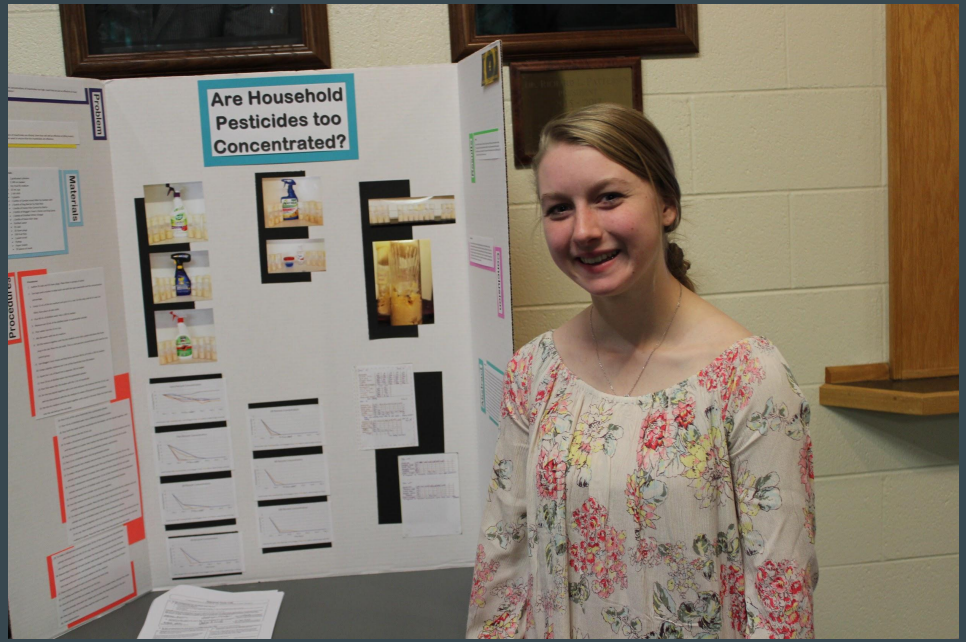
Calico Chemistry

Chloe Smith

Newcastle High School

Newcastle, Wy

Chemistry/ Energy: Chemical -Senior Division



1st Place

Are Household Insecticides Too Concentrated?

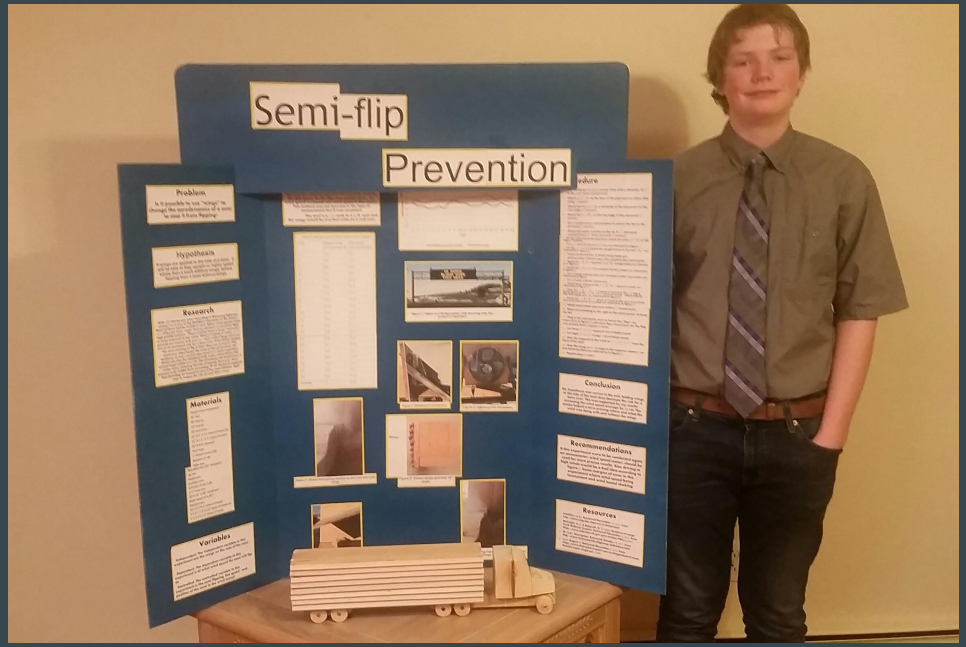
Ashlyn Bailey

Cheyenne East High School

Cheyenne, Wy

Engineering Sciences & Energy: Physical

Engineering Sciences & Energy: Physical -Junior Division



3rd Place

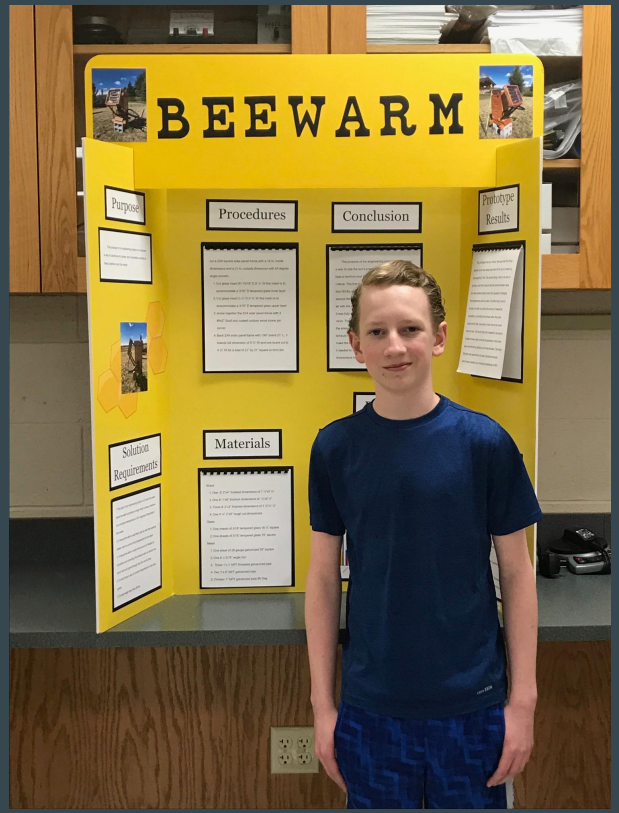
Semi Flip Prevention

Ashton Ford

Saratoga Middle High School

Saratoga, Wy

Engineering Sciences & Energy: Physical -Junior Division



2nd Place

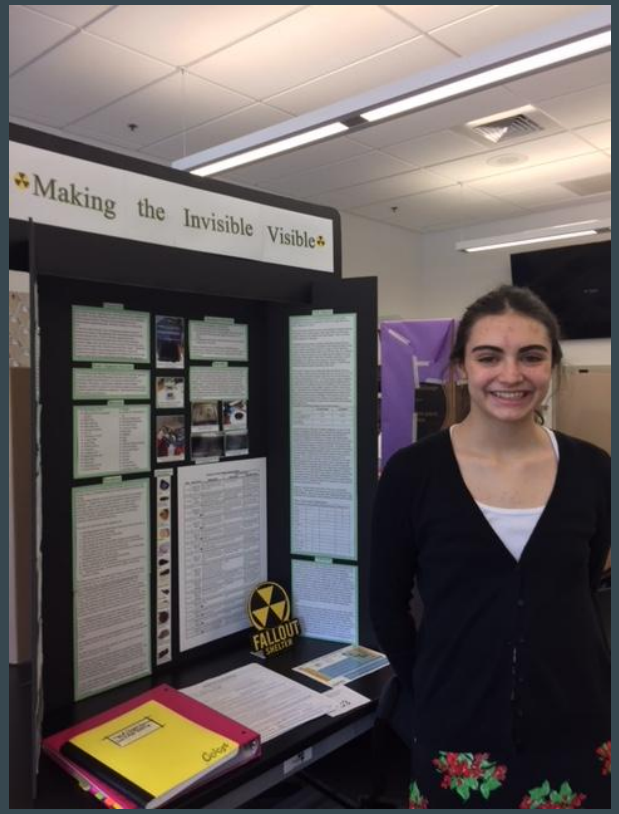
Beewarm

Max Shaw

Pinedale Middle School

Pinedale, Wy

Engineering Sciences & Energy: Physical -Junior Division



1st Place

Making The Invisible Visible

Theresa Bautz

Lander Middle School

Lander, Wy

Engineering Sciences & Energy: Physical -Senior Division

3rd Place

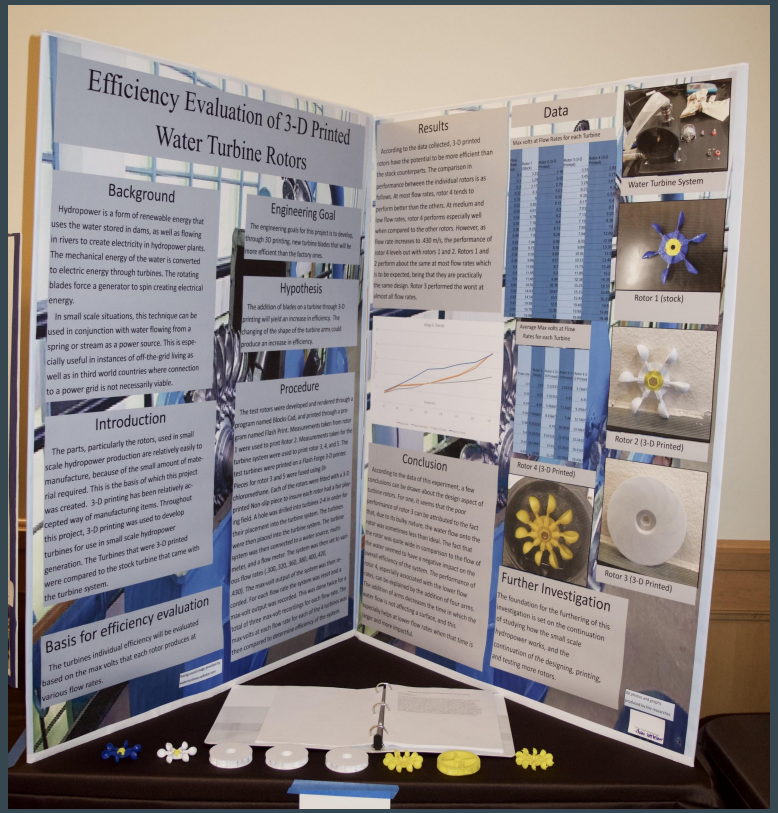
Bioplastics

Courtney Rainbolt

Newcastle High School

Newcastle, Wy

Engineering Sciences & Energy: Physical -Senior Division



2nd Place

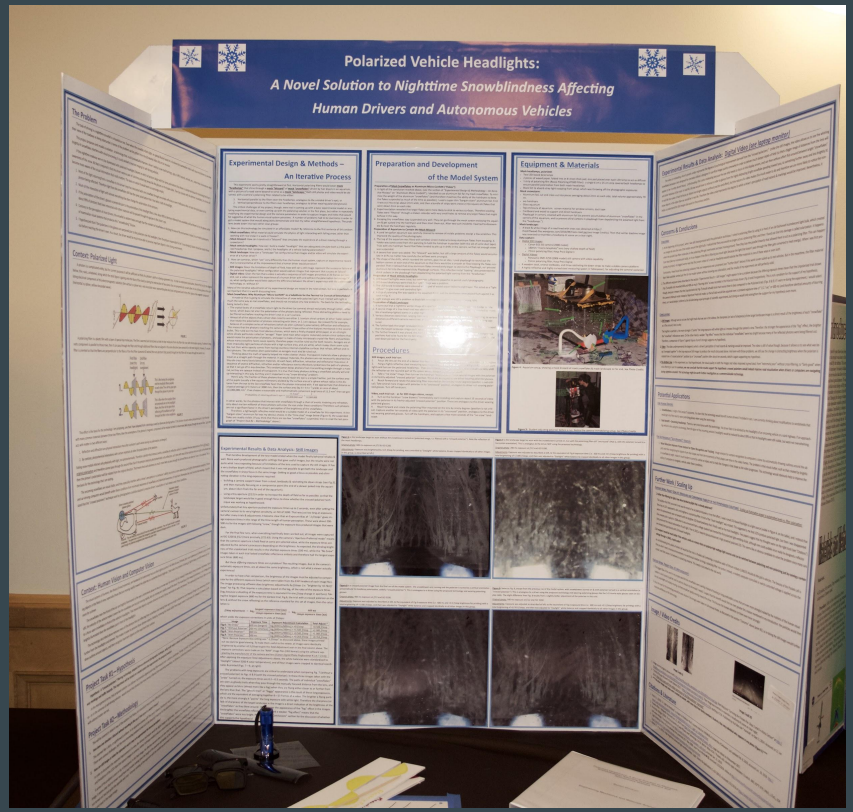
Efficiency Evaluation of 3D Printed Water Turbine Rotors

Mason Werbelow

Greybull High School

Greybull, Wy

Engineering Sciences & Energy: Physical -Senior Division



1st Place

Polarized Headlamps: A Novel Solution To Nighttime Snow Blindness Affecting Human Drivers and Autonomous Vehicles

Nicholas Primanis-Erickson

Pinedale High School

Cora, Wy

Environmental Sciences & Engineering

Environmental Sciences & Engineering -Junior Division

3rd Place

A Heap of Heat

Janae Arne & Emmaline Vrska

Pinedale Middle School

Pinedale, Wy

Environmental Sciences & Engineering -Junior Division

2nd Place

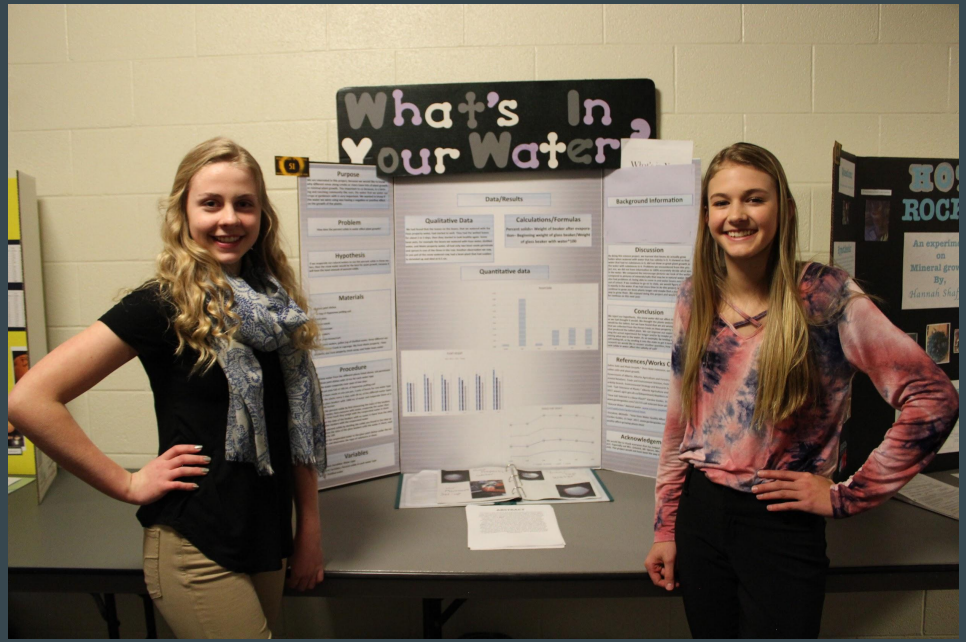
Stop Flooding

Connor Doering

Prairie Wind Elementary

Cheyenne, Wy

Environmental Sciences & Engineering -Junior Division



1st Place

What's In Your Water

Jordan Stoddard & Margie Schmidt

Southeast School

Torrington, Wy

Environmental Sciences & Engineering -Senior Division

3rd Place

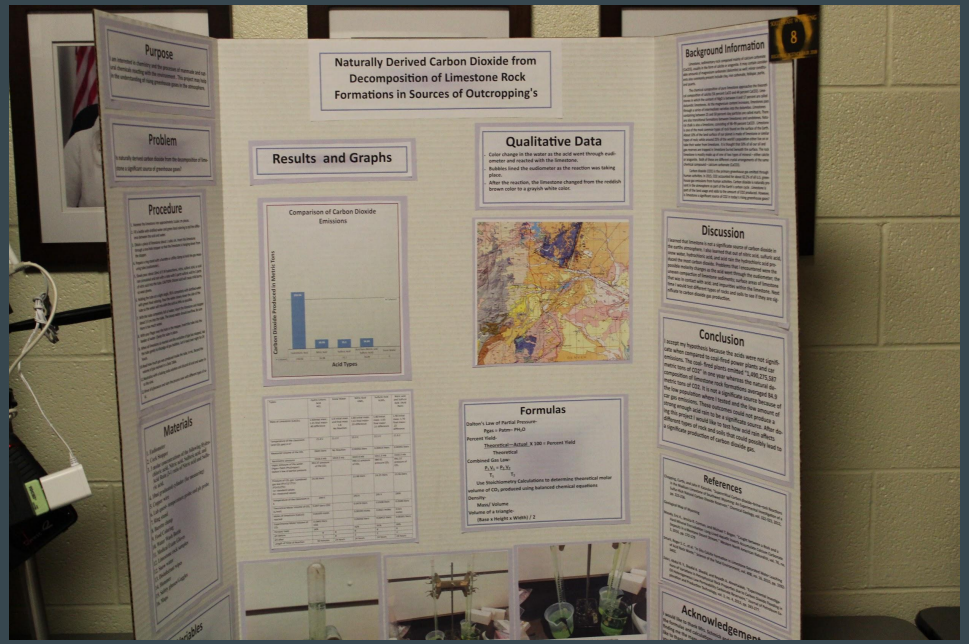
Improving Water Retention in Soils

Hayden Higgins

Cheyenne East High School

Cheyenne, Wy

Environmental Sciences & Engineering -Senior Division



2nd Place

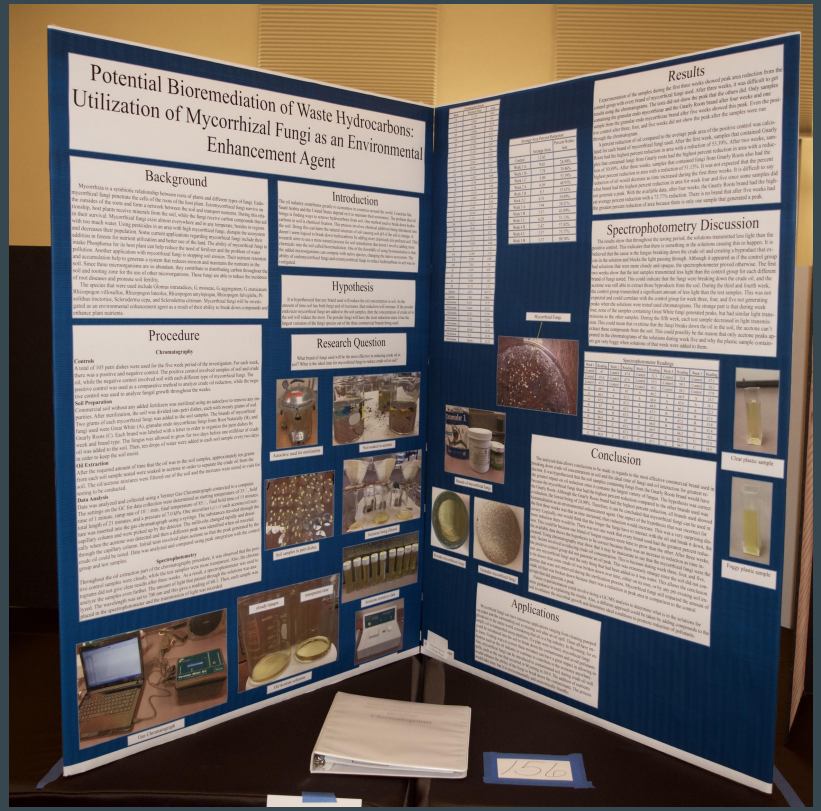
Naturally Derived Carbon Dioxide from Decomposition of Limestone Rock Formations in Sources of Outcroppings

Anna Schmick

Southeast High School

Torrington, Wy

Environmental Sciences & Engineering -Senior Division



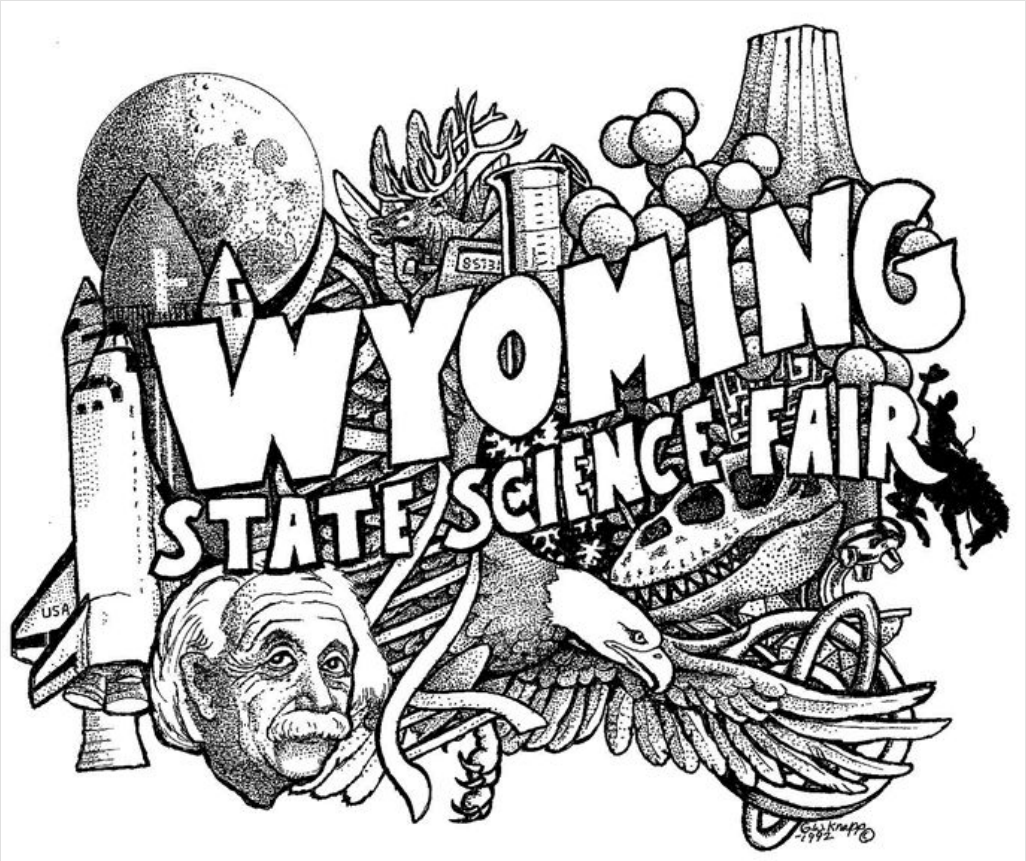
1st Place

Potential Bioremediation of Waste Hydrocarbons: Utilization of Mycorrhizal Fungi as an Environment Agent

Eduardo Burgos

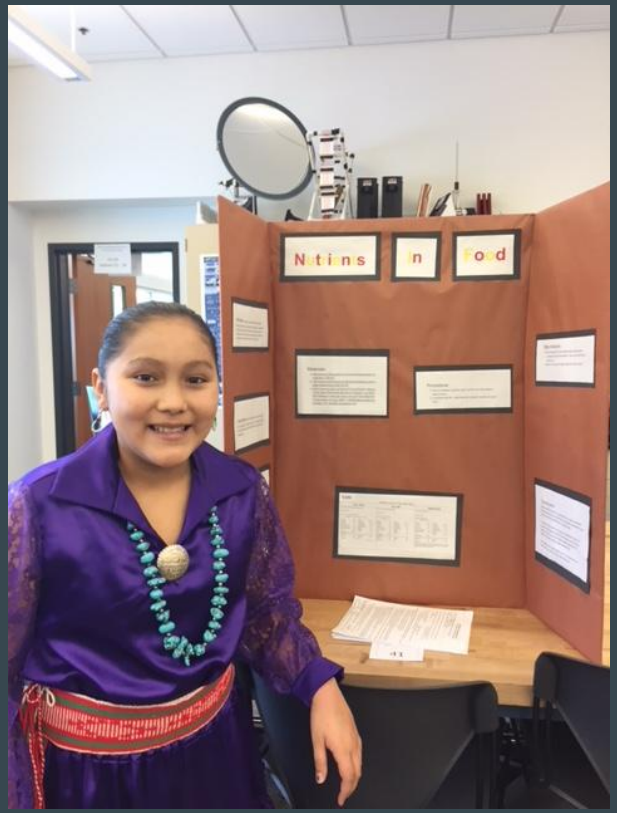
Greybull High School

Emblem, Wy



Mathematics

Mathematics -Junior Division



3rd Place

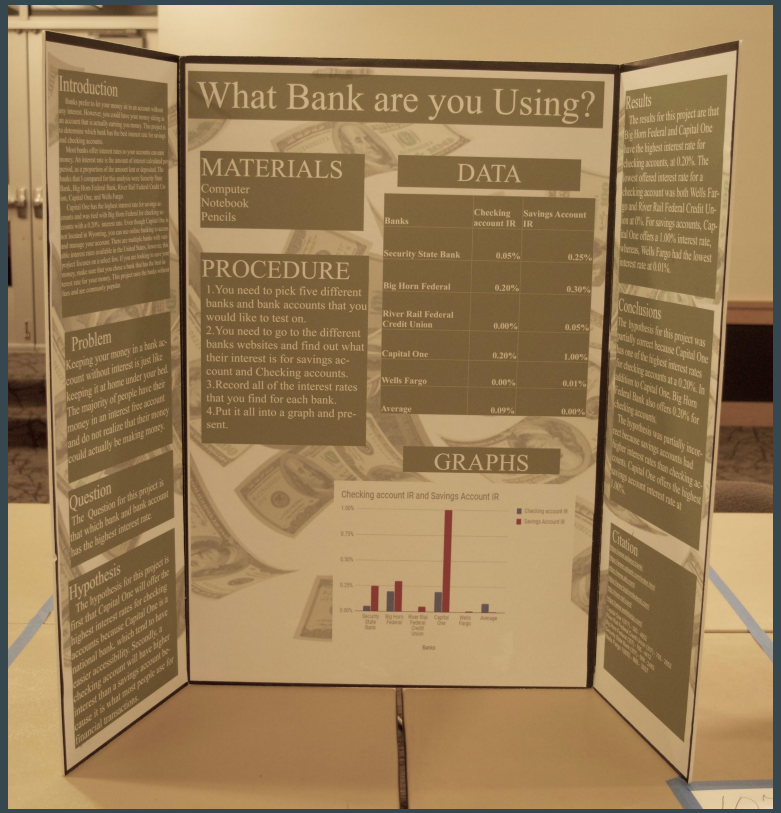
Nutrients in Food

Sandra St. Claire

Lander Middle School

Lander, Wy

Mathematics -Junior Division



2nd Place

What Bank Are You Using?

Isabella Lungren

Greybull Middle School

Greybull, Wy

Mathematics -Junior Division

1st Place

An Architects Kindling

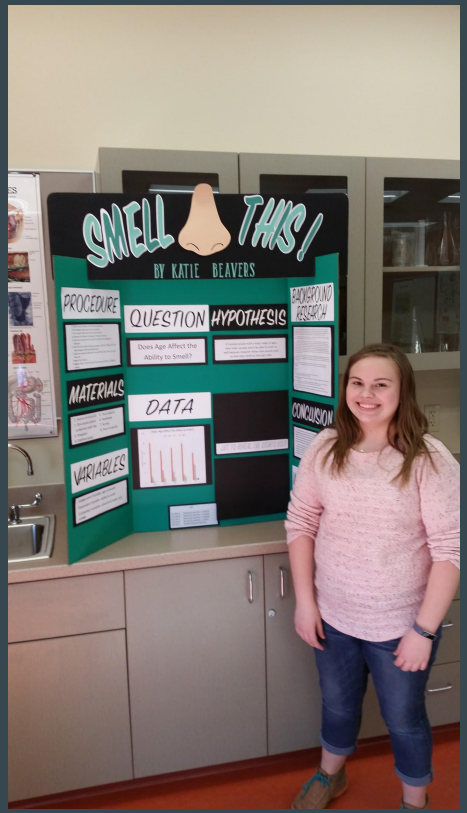
Ivor McPhie

Lander Middle School

Lander, Wy

Medical Sciences

Medical Sciences -Junior Division



3rd Place

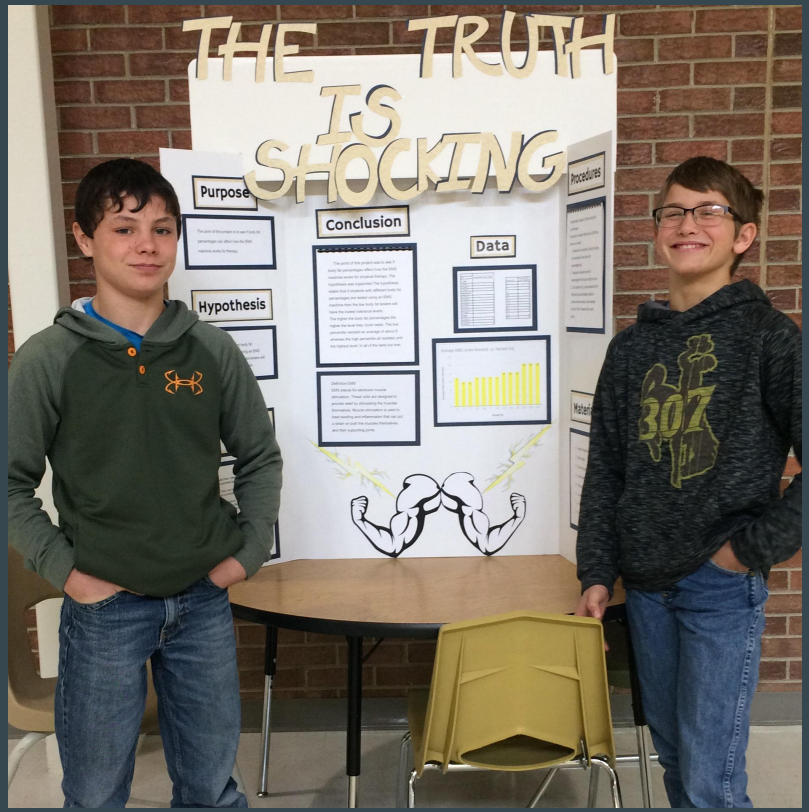
Smell This!

Katie Beavers

Powell Middle School

Powell, Wy

Medical Sciences -Junior Division



2nd Place

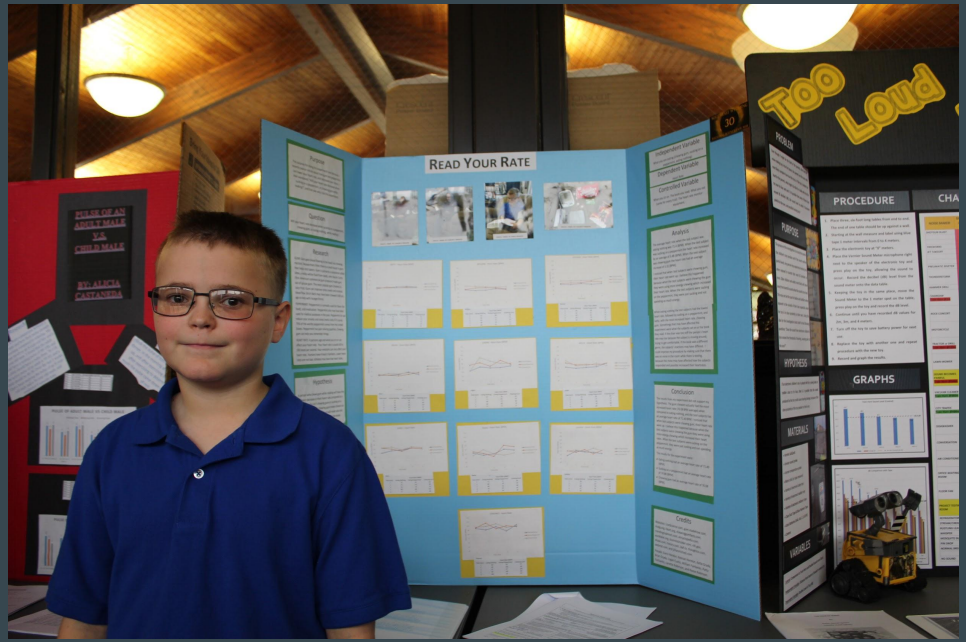
The Truth is Shocking

Colton Gehlhausen & Cody Phelps

Pinedale Middle School

Pinedale, Wy

Medical Sciences -Junior Division



1st Place

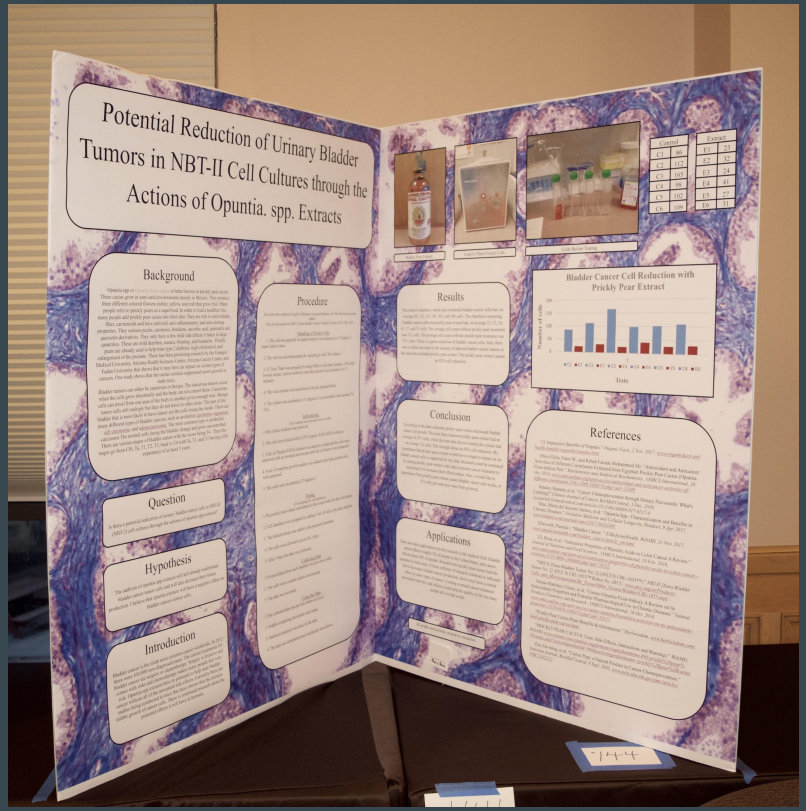
Read Your Rate

Chauncy Hendon

Davis Elementary

Cheyenne, Wy

Medical Sciences -Senior Division



3rd Place

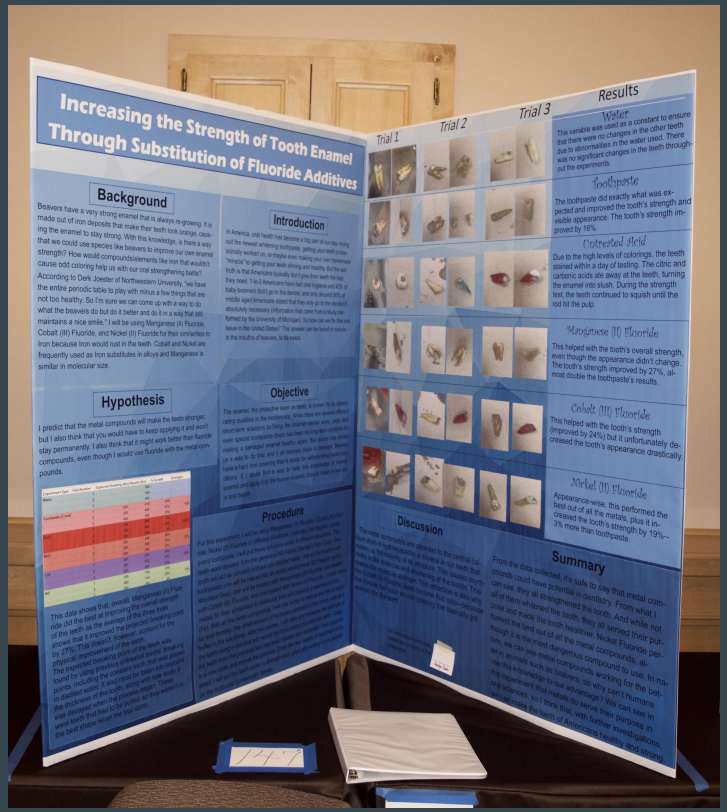
Reduction of Urinary Bladder Tumors in NBT-II Cell Cultures through the Actions of Opuntia spp. Extracts

Bayley Burns

Greybull High School

Greybull, Wy

Medical Sciences -Senior Division



2nd Place

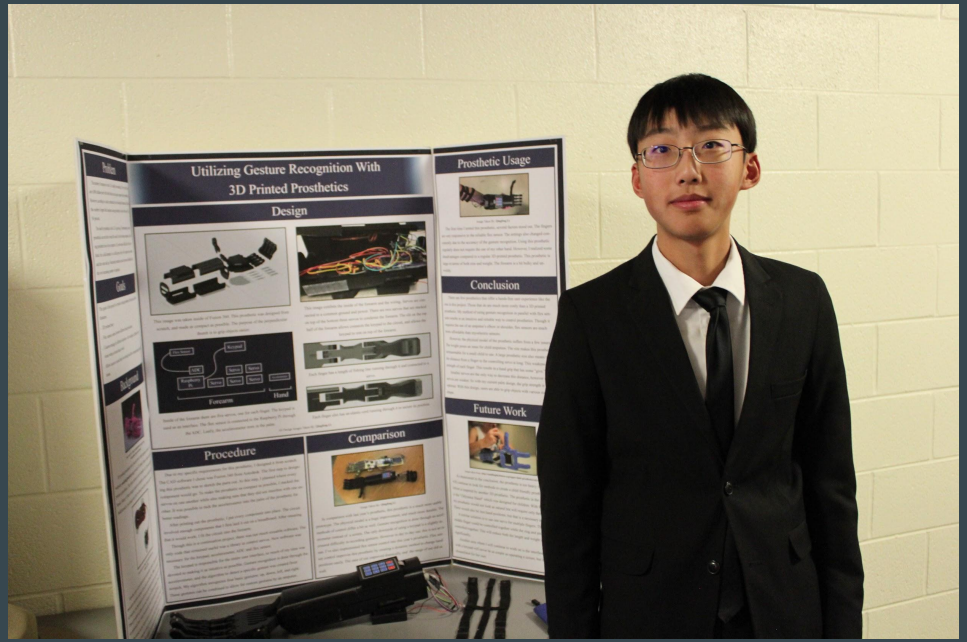
Increasing Your Strength of Tooth Enamel through Substitution of Fluoride Additives

Ashlyn Ewen

Greybull High School

Greybull

Medical Sciences -Senior Division



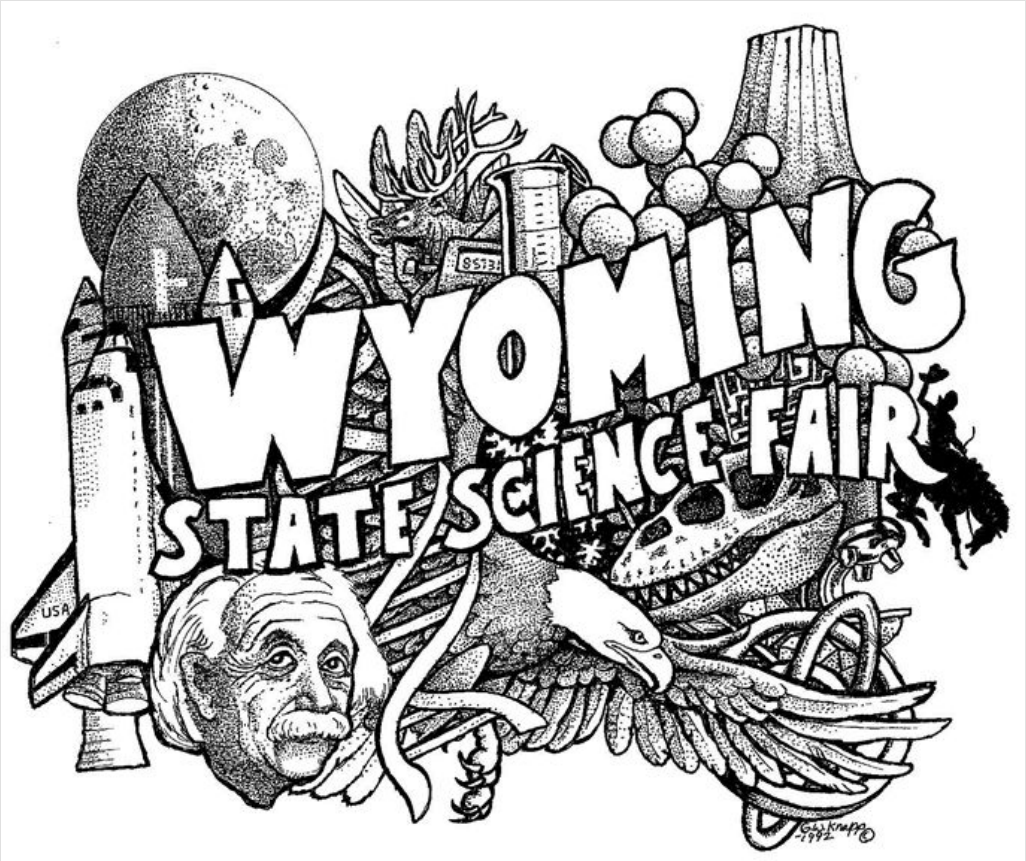
1st Place

Utilizing Gesture Recognition with 3D Printed Prosthetics

Qingfeng Li

Laramie High School

Laramie, Wy



Microbiology

Microbiology -Junior Division

3rd Place

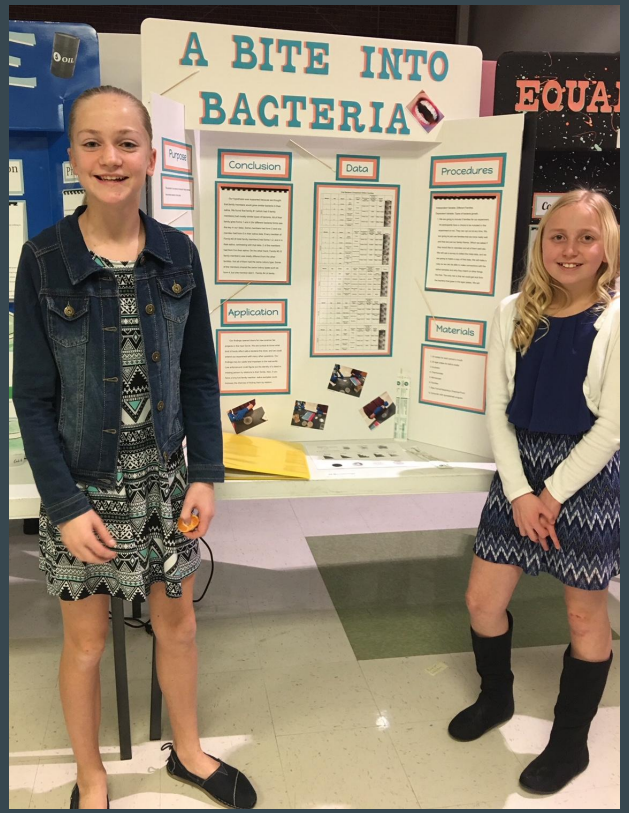
Meat Your Death

Gracelyn Farnham

St. Mary's Catholic School

Cheyenne, Wy

Microbiology -Junior Division



2nd Place

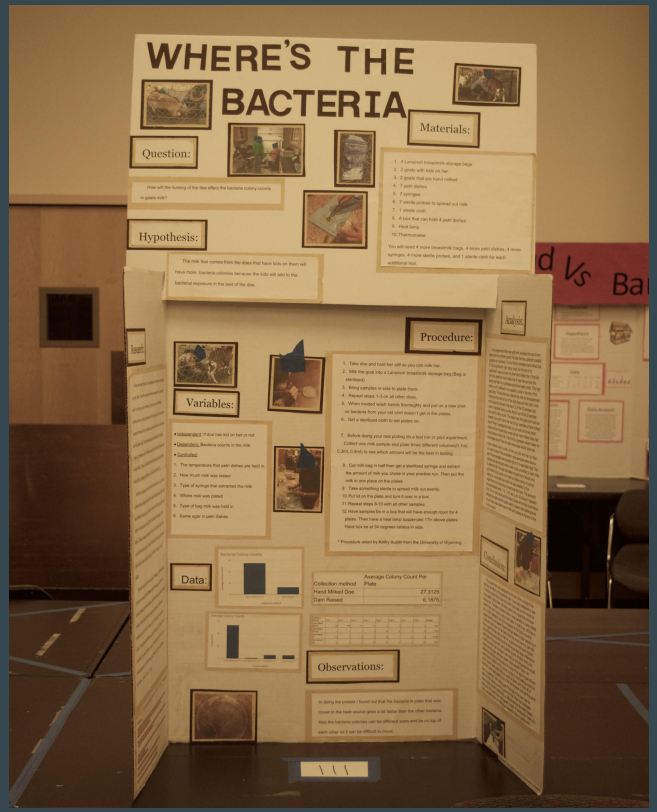
A Bite Into Bacteria

Sara Kunard & Mandy Majhanovich

Pinedale Middle School

Pinedale, Wy

Microbiology -Junior Division



1st Place

Where's the Bacteria

Jake Hicks

Wheatland Middle School

Wheatland, Wy

Microbiology -Senior Division

2nd Place

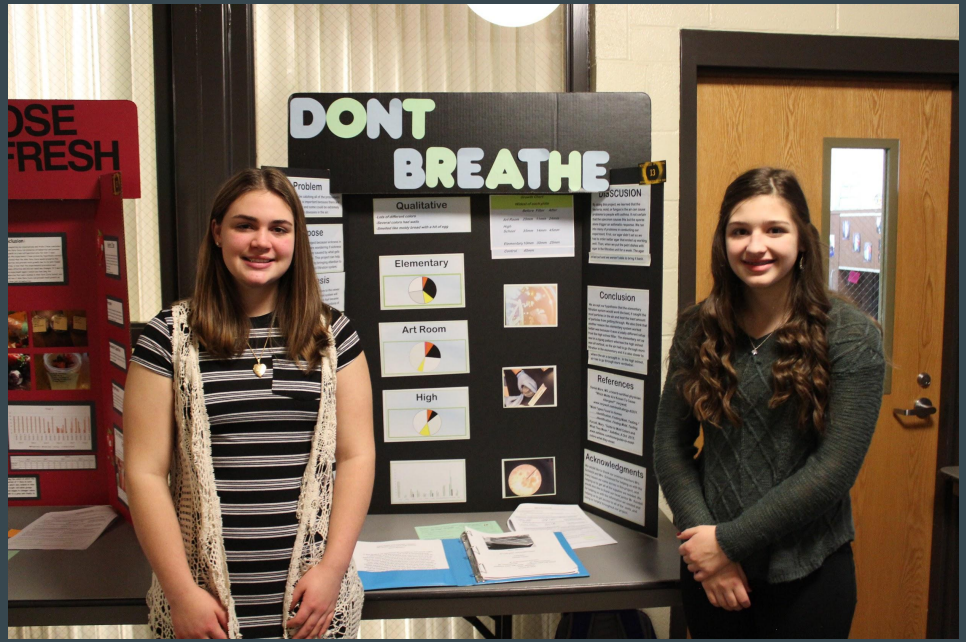
Keeping Those Berries Fresh

Taylur DiCamillo

Wyoming Connections Academy

Cheyenne, Wy

Microbiology -Senior Division



1st Place

Don’t Breathe

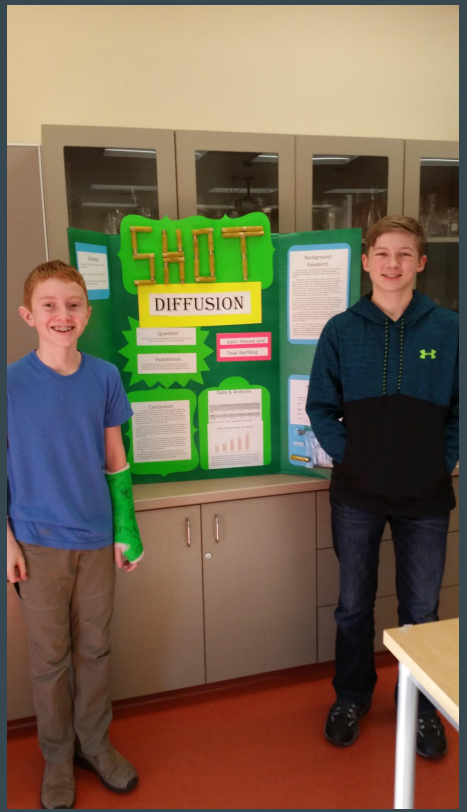
Carly Keller & Danielle Clapper

Southeast High School

Torrington/ Veteran, Wy

Physics & Astronomy

Physics & Astronomy -Junior Division



3rd Place

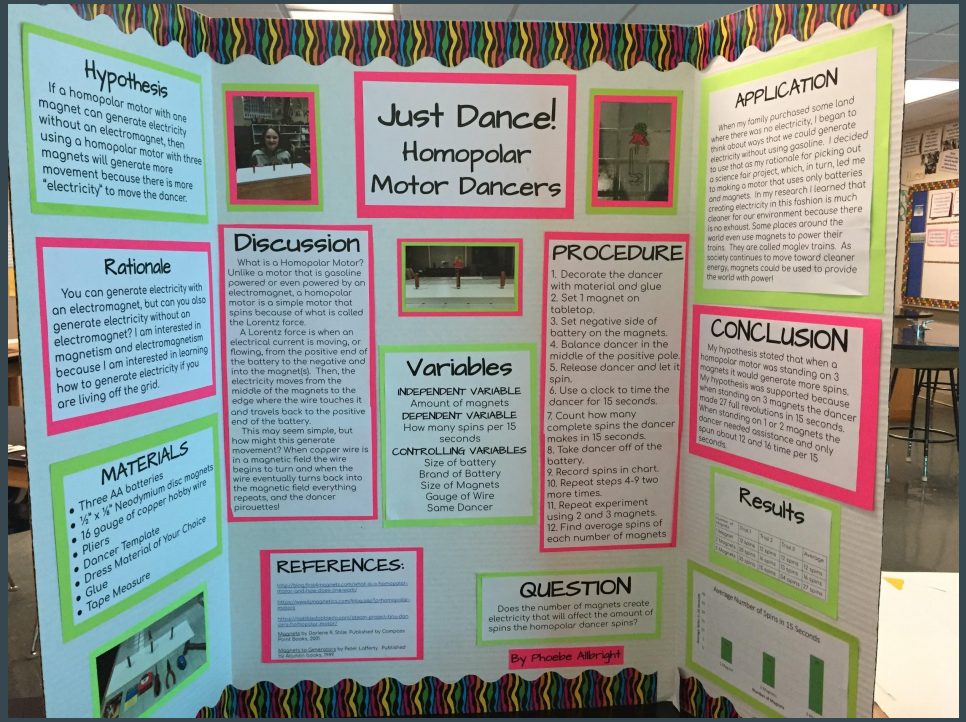
Shot Diffusion

Teak Barhaug & Kalin Hicswa

Powell Middle School

Powell, Wy

Physics & Astronomy -Junior Division



2nd Place

Just Dance: Homopolar Motor Dancers

Phoebe Allbright

Lusk Elementary Middle School

Lusk, Wy

Physics & Astronomy -Junior Division

1st Place

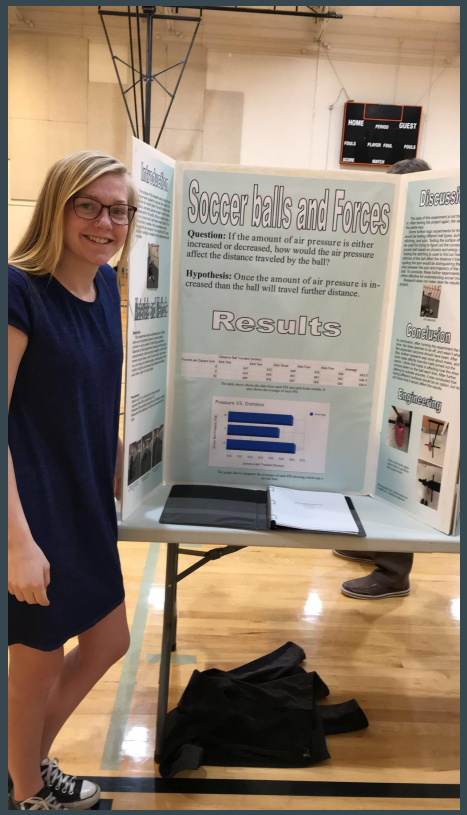
Aired Up!

Logan Wietzki

Classical Conversations-Lander Campus

Lander, Wy

Physics & Astronomy -Senior Division



3rd Place

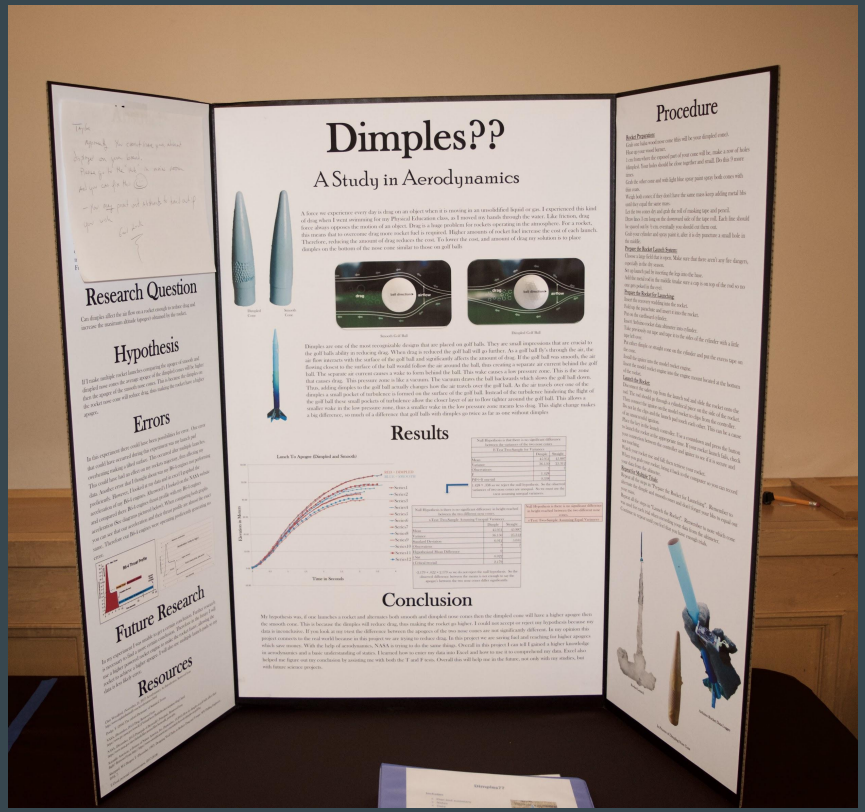
Soccer Balls and Forces

Carolina Anderson

Newcastle High School

Newcastle, Wy

Physics & Astronomy -Senior Division



2nd Place

Dimples??

Taylor Choal

Natrona County High School

Casper, Wy

Physics & Astronomy -Senior Division

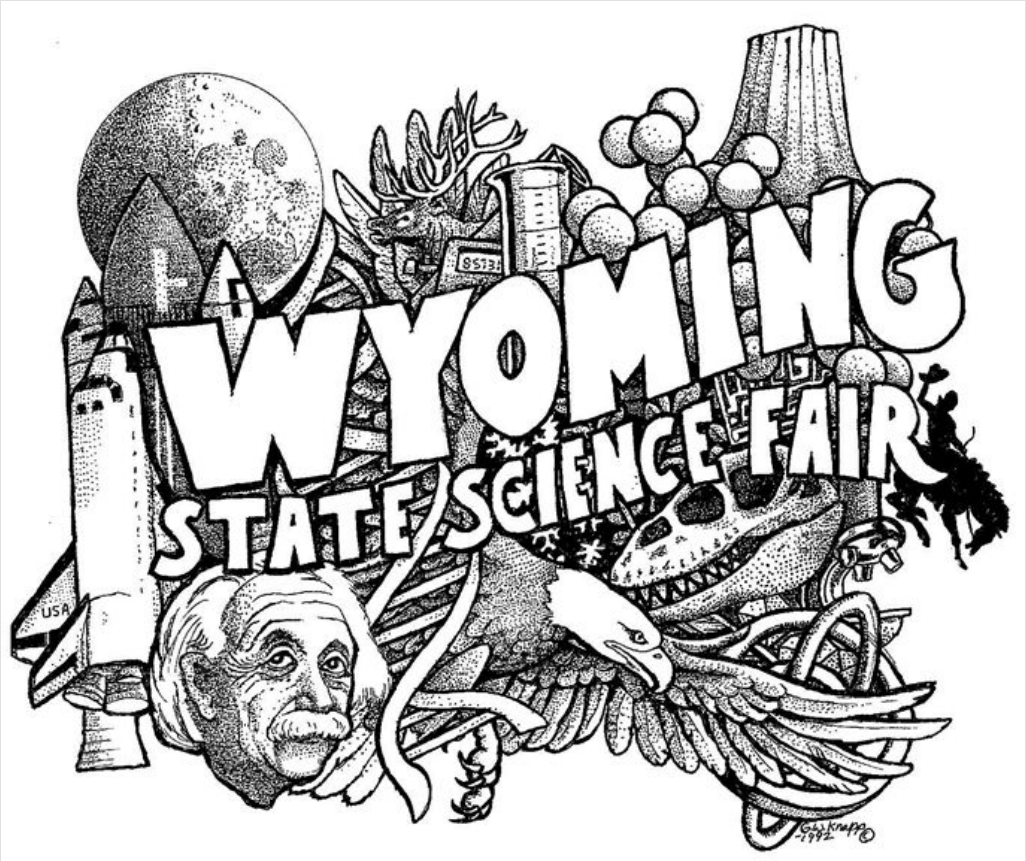
1st Place

The Effect of an Eclipse on Muon Count Rates

Perry Martin & Markie Whitney

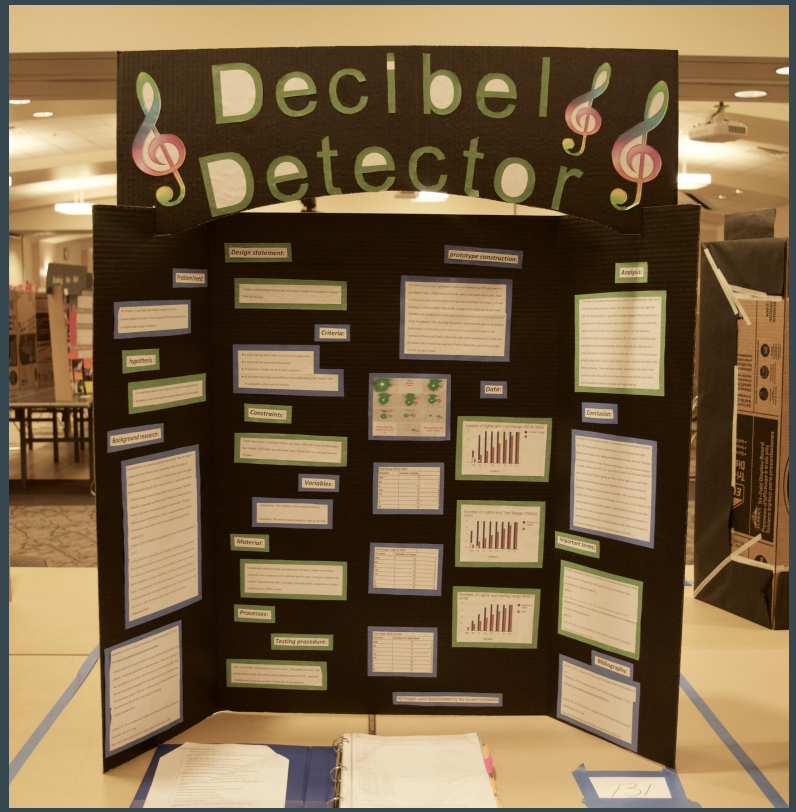
Newcastle High School

Newcastle, Wy



Robotics & Computer Sciences

Robotics & Computer Sciences -Junior Division



3rd Place

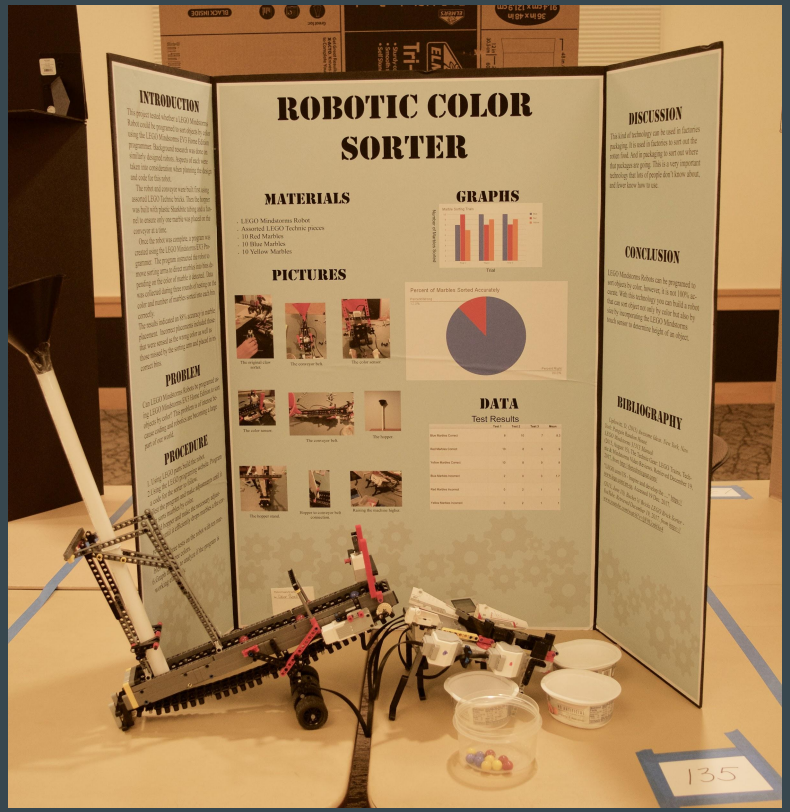
Decibel Detector

Deacan Heinz

Wheatland Middle School

Wheatland, Wy

Robotics & Computer Sciences -Junior Division



2nd Place

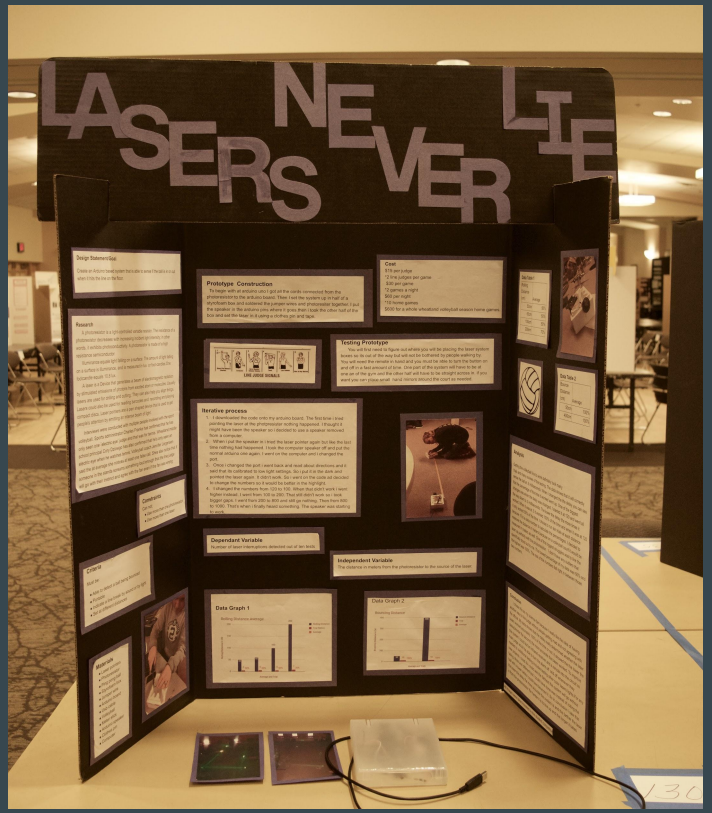
Robotic Color Sorter

Catcher Russell

Greybull Middle School

Basin, Wy

Robotics & Computer Sciences -Junior Division



1st Place

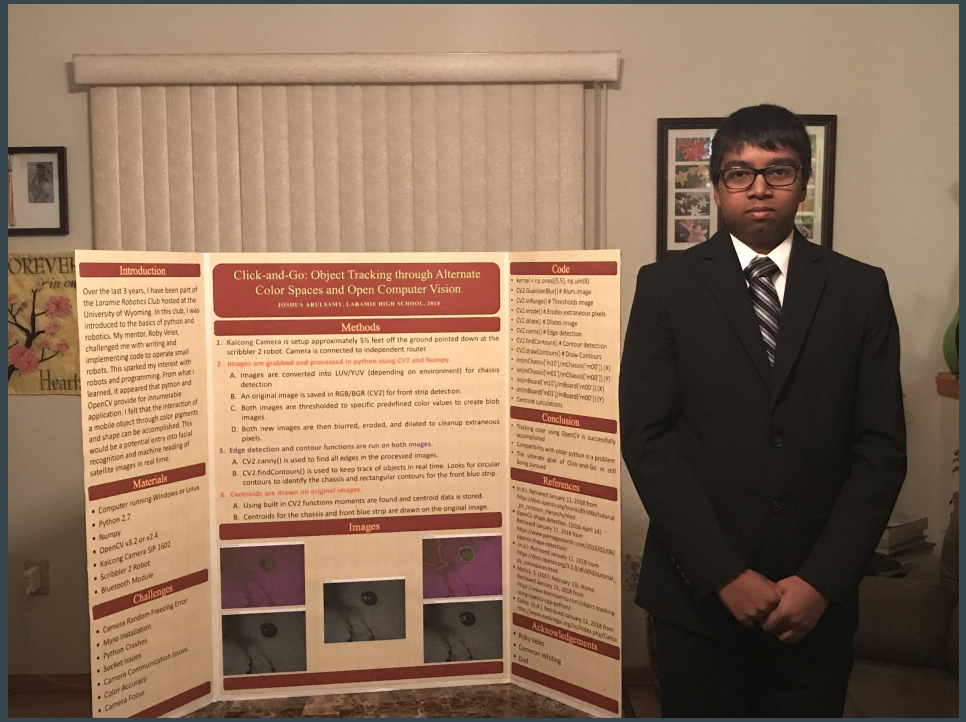
Lasers Never Lie

Serenity Jones

Wheatland Middle School

Wheatland, Wy

Robotics & Computer Sciences -Senior Division



1st Place

Click-and-Go: Object Training through Alternate Color Spaces and Open Computer Vision

Joshua Arulsamy

Laramie High School

Laramie, Wy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