

2023 USEF - Junior Division

Category and Rank	Name	School	Project Title
Behavioral & Social Sciences - First	Aadi Mishra	The Waterford School	Countering Financial Misinformation on Social Media
Behavioral & Social Sciences - Second	Ezra Petersen	Clarke N. Johnsen Jr. High	Reinforcing Results: How does positive and negative reinforcement affect learning?
Behavioral & Social Sciences - Third	Vincent Hildebrand	J.E. Cosgriff Memorial	Does Music Affect a Person's Focus? Which Music Affects it The Most?
Behavioral & Social Sciences - Fourth	Alana Frazier	Bonneville Academy	Differing Perceptions of Flavor Intensity
Biology & Microbiology - First	Britain Bennett	St. John the Baptist Middle School	The depletion of the Great Salt Lake and Brine Shrimp
Biology & Microbiology - Second	Christiana Cortes	Challenger	Breathe in the Bloom: The Effect of Eutrophication on Dissolved Oxygen
Biology & Microbiology - Third	Isaac Wilson	Clarke N. Johnsen Jr. High	Do honey bees pollinate Lavender?
Biology & Microbiology - Fourth	Christopher Joklik	St. John the Baptist Middle School	Wormy Wanders
Chemistry & Biochemistry - First	Aditya Sridhar	Challenger	A Path to Carbon-Neutral World
Chemistry & Biochemistry - Second	Ansh Devlekar	Challenger	"C" the Difference
Chemistry & Biochemistry - Third	Cody Doyle	Churchill Jr. High	Mushroom Vs. Synthetic Fertilizer
Chemistry & Biochemistry - Fourth	Violette-Reine Evans	St. John the Baptist Middle School	Soft Water; Hard Science
Civil & Environmental Engineering - First	James Buckner	West Lake Jr. High	Beehive Upgrading
Civil & Environmental Engineering - Second	Albert Xu	Challenger	Wind Turbines: The Effect of Its Angle on the Amount of Energy Generated
Civil & Environmental Engineering - Third	Adam Eckhardt & Eli Wright	Churchill Jr. High	Biodegradable Nerf Darts
Civil & Environmental Engineering - Fourth	Weston Wright	West Lake Jr. High	The Amazing Carbon Catcher
Computer Science & Applied Computational Methods - First	Scott Vars & Miles Barua	Churchill Jr. High	The Astounding Tic Tac Toe Bot
Computer Science & Applied Computational Methods - Second	Wenray Zhang	Midvale Middle School	Impact of Dataset Size on Machine Learning
Computer Science & Applied Computational Methods - Third	Parv Kale	Challenger	Self-Drive or Drive Yourself
Computer Science & Applied Computational Methods - Fourth	Ishanth Reddy Sooram	American Preparatory Academy APA Draper 3	The Keyless Entry
Earth & Environmental Sciences - First	Lavanya Mohnani	Challenger	Utilizing Organosilanes for Microplastic Removal through Agglomeration-Fixation
Earth & Environmental Sciences - Second	Jacob Houston	Matheson Jr. High	Fish Food
Earth & Environmental Sciences - Third	Thalia Hanfland-Parenti	Challenger	Can Hair Stop Oil Pollution
Earth & Environmental Sciences - Fourth	Selha Chazotsang	Wasatch Jr. High	Cleaning with Carbon
Electrical Engineering - First	Cole Thomsen	Hillside Middle School	AI: Bad, Better, Best
Electrical Engineering - Second	Sophia ivie	Entheos Academy	The GrowBot: A Device and App System for Design and Maintenance of Urban Gardens
Electrical Engineering - Third	Maxwell Myers	St. John the Baptist Middle School	Snor-Larm
Electrical Engineering - Fourth	Quinn Cousineau-Vasquez	St. Joseph Elementary School	Photophone
Energy: Chemical & Physical - First	Rori Sorenson	Churchill Jr. High	The Life of a Hearing Aid Battery
Energy: Chemical & Physical - Second	Becket Evans	St. John the Baptist Middle School	Another Brick in the Wall
Energy: Chemical & Physical - Third	William Johnson & Will Thorpe	Hillside Middle School	Are Homemade Batteries Practical
Energy: Chemical & Physical - Fourth	Rebecca Siwale	St. John the Baptist Middle School	Feeling The Heat? How Color Affects Energy Transfer
Mechanical & Materials Engineering - First	Ammon Maxfield	American Preparatory Academy APA Draper 3	Grocery Bag Sleeping Bag
Mechanical & Materials Engineering - Second	Isaac Viera	Clarke N. Johnsen Jr. High	Marvelous Marble Machines
Mechanical & Materials Engineering - Third	Paul Claudon	St. John the Baptist Middle School	Temperature and material behavior
Mechanical & Materials Engineering - Fourth	William Barney	Wasatch Jr. High	Reaching "That Spot" on Your Back
Medicine, Health Sciences, & Biomedical Engineering - First	Aurelia Otis-Pasternak	Churchill Jr. High	The Power of Placebo; Adults vs Kids
Medicine, Health Sciences, & Biomedical Engineering - Second	Eleanor Rowley	Challenger	The Skin You're In
Medicine, Health Sciences, & Biomedical Engineering - Third	Sarah Leng	Challenger	Buzz: A Device to Assist the Visually Impaired and Reduce the Occurrence of Falls and Trips
Medicine, Health Sciences, & Biomedical Engineering - Fourth	Aneesh Rao	Wasatch Jr. High	Uncovering the Sweet Ingredient of Obesity

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Physics, Astronomy & Math - First	River Gandee	Challenger	Effect of Thermal Conductivity of Fabrics on the Preservation of Temperature within a Fabric Insulated Pouch in a Cold Ambient Environment
Physics, Astronomy & Math - Second	Emily Davison	Clarke N. Johnsen Jr. High	Super Cymatics
Physics, Astronomy & Math - Third	Gabriel Garcia	St. Joseph Elementary School	Not Your Grandpa's Aerochrome
Physics, Astronomy & Math - Fourth	Victor Young & Forest Young	Reid School	Wave-particle Duality of Light
Plant Sciences - First	Samuel Smith	J.E. Cosgriff Memorial	What is the Effect of Soil Density on Plant
Plant Sciences - Second	Solomon Kim	Wasatch Jr. High	Are flowers picky with different types of sugar?
Plant Sciences - Third	Isabelle Griggs	American Preparatory Academy APA West Valley 2	Water Gardening vs Soil Gardening
Plant Sciences - Fourth	Oscar Campos Samayoa	West Lake Jr. High	Synthetic VS Organic