

2023 USEF - Special Awards

Award Name	Name	School	Project Title
University of Utah ACCESS Scholarship Program Director's Invitation and College of Science Nomination	Jayashabari Shankar & Narayani Shankar	Hillcrest High	Analyzing Virus Genomes with Intervene and Python programs
	Natalia Cyriac	Juan Diego Catholic High	The effects of different types of land development on Dissolved Solids in the Jordan River
	Aleaokalani Pindat-Kahele	Juan Diego Catholic High	The Effect of Varying Concentrations of Rock Climbing Chalk on Thymus Vulgaris
	Skyla Ulrick	Juan Diego Catholic High	Evaluation of the Effects of MitoQ on LTP in the Dentate Gyrus of Corneal Kindled Mice
	Mercedes Randhahn	St. Joseph High School	Investigating the Emerging Potential of Centella asiatica, Centella erecta, and Hydrocotyle verticillata as Accessible Treatments for Triple- negative Breast Cancer
	Megan Tandar	West High	A Fluorogenic-Based Assay to Measure Chaperone- Mediated Autophagy Activity in Cells and Tissues
Air & Waste Management Association Great Basin Chapter	Anda Xie	West High	RecyclEDU
	Krishnam Goel	West High	Harmful Algal Blooms Threaten Global Surface Water Sustainability- an ecosystem based study
American Psychological Association	Sierra Sun	The Waterford School	Competing Biases: Parochial Empathy vs. Moral Blameworthiness
Association for Women Geoscientists National	Natalia Cyriac	Juan Diego Catholic High	The effects of different types of land development on Dissolved Solids in the Jordan River
Association for Women Geoscientists Salt Lake Chapter 1st Place Junior Division	Evie Thomsen	Challenger	Dust-gusting Snow: Inconsequential or an Ecological Disaster?
Association for Women Geoscientists Salt Lake Chapter 2nd Place Junior Division	Meg Denise Romero	American Preparatory Academy APA Draper 3	Should We Go Green?
Association for Women Geoscientists Salt Lake Chapter 1st Place Senior Division	Natalia Cyriac	Juan Diego Catholic High	The effects of different types of land development on Dissolved Solids in the Jordan River
Association for Women Geoscientists Salt Lake Chapter 2nd Place Senior Division	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
Broadcom Foundation Coding With Commitment Award	Jaxon Paige	Sterling Elementary	Hazardous Humans - How are we harming Utah Lake?
Friends of Great Salt Lake 5-8	Jayden Roos	Challenger	Make the Great Salt Lake Great Again
Friends of Great Salt Lake 9-12	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
Lemelson Inventor's Award	Ammon Maxfield	American Preparatory Academy APA Draper 3	Grocery Bag Sleeping Bag
Mission Math 1st Place Elementary Division	Anushka Rajeev	Midvale Middle School	Junior Golf, Is There Par-ity?
Mission Math 2nd Place Elementary Division	Eleanor Fatz	Fox Hills ALC	Which Type of Dice is Most Fair?
Mission Math 3rd Place Elementary Division	Sophia Zhang	Rowland Hall	Silence Please: The Effect of Porosity of Acoustic Materials on Sound Reduction
Mission Math 1st Place Junior Division	Ian Kim	West High	Depressive Symptoms in Adolescents: Gender Differences and the Role of Social Network
Mission Math 2nd Place Junior Division	Victor Young & Forest Young	Reid School	Wave-particle Duality of Light
Mission Math 3rd Place Junior Division	Benjamin Mathias & Vaishnavi Kothamasu	American Preparatory Academy APA Draper 3	Eye to Eye: Detecting Pupil Contraction with Raspberry Pi
NASA Earth System Science Award	Joseph Griffith	Stansbury High School	Study of Carbon Fiber Curing in Space
National Geographic	Nina Zhu	West High	The Effect of Climate Change on Bacteria in Natural Water Environments
National Oceanic and Atmospheric Administration	Krishnam Goel	West High	Harmful Algal Blooms Threaten Global Surface Water Sustainability- an ecosystem based study
Office of Naval Research Junior Division	Isaac Wilson	Clarke N. Johnsen Jr. High	Do honey bees pollinate Lavender?
	Violette-Reine Evans	St. John the Baptist Middle School	Soft Water; Hard Science
	Teagan Harris	St. John the Baptist Middle School	Speedy Shoes
	Oskar Kapitonov	Beehive Academy	Acne Treatment with Probiotic Yogurt.
	Evie Thomsen	Challenger	Dust-gusting Snow: Inconsequential or an Ecological Disaster?
Office of Naval Research Senior Division	Saathvik Pai	West High	The Effect of GRIN2B Deficiency on Neurite Morphology
	Sarah Wilkins	Juan Diego Catholic High	Exploring Expressive Journaling on Veterinary Professionals' Mental Health

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	Sang Hyun Chun	Hillcrest High	Investigating the Capabilities of AI Generated Art and its Differences to Human-Drawn Art using Machine Learning
Red Butte Garden Excellence in Plant Science Elementary Division	Lucy Bonkowsky & Melinda Zhou	Whittier Elementary (SLC)	Rising from the Ash
Red Butte Garden Excellence in Plant Science Junior Division	Oscar Campos Samayoa	West Lake Jr. High	Synthetic VS Organic
Red Butte Garden Excellence in Plant Science Senior Division	Aleaokalani Pindat-Kahele	Juan Diego Catholic High	The Effect of Varying Concentrations of Rock Climbing Chalk on Thymus Vulgaris
Regeneron Biomedical Science Award	Sahil Shah & Shayan Pandit	The Waterford School	Predicting Symptomatic Alzheimers' Precursor (MCI) through Cerebellar Lobular Volume with Regards to Cognitive/Motor Aging; a Voxel-Based Analysis
Ricoh USA, Inc.	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
USEF Student Advisory Board 1st Place Elementary Division	James Sanders	Viewmont Elementary	Adaptive Kayaking
USEF Student Advisory Board 2nd Place Elementary Division	Emily Davis	West Valley STEM	Clear Your Vision!
USEF Student Advisory Board 3rd Place Elementary Division	Vikram Nair	Morningside ALC	Candle Carousel
USEF Student Advisory Board 1st Place Junior Division	Sophia ivie	Entheos Academy	The GrowBot: A Device and App System for Design and Maintenance of Urban Gardens
USEF Student Advisory Board 2nd Place Junior Division	William Barney	Wasatch Jr. High	Reaching "That Spot" on Your Back
USEF Student Advisory Board 3rd Place Junior Division	Maxwell Myers	St. John the Baptist Middle School	Snor-Larm
Salt Lake City Public Utilities Junior Division	Jacob Houston	Matheson Jr. High	Fish Food
Salt Lake City Public Utilities Senior Division	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
Society for In Vitro Biology	Yesue Carter	Juan Diego Catholic High	Possible Gene Therapy Treatment for Liver Cancer
Stockholm Junior Water Prize	Natalia Cyriac	Juan Diego Catholic High	The effects of different types of land development on Dissolved Solids in the Jordan River
	Nina Zhu	West High	The Effect of Climate Change on Bacteria in Natural Water Environments
	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
	Krishnam Goel	West High	Harmful Algal Blooms Threaten Global Surface Water Sustainability- an ecosystem based study
T.D. Williamson Outstanding Young Scientist in 5th Grade	Liam Whisenant	Cottonwood Elementary	Drip, Drip, Drip: Engineering a Solution to Limit Residential Water Waste
T.D. Williamson Outstanding Project in Energy or Environmental Science	Evan Weinstein, Aiden Gandhi & Eli Hatton	Rowland Hall	A Novel Approach to Heating Mechanisms in Electric Aircraft Engines Using Thorium Dioxide Coated Tungsten Carbide
U.S. Agency for International Development (USAID)	Cole Chu & Alex Hernandez	West High	Action Detection for ASL(American Sign Language)
U.S. Metric Association	Sasha Acevedo & Castle Kishbaugh	Salt Lake Center for Science Education (SLCSE)	Time Crystals
United States Air Force	Weijun Liang	Juan Diego Catholic High	A new method for computing Transition Charges and Vibrational Couplings
	Anika` mukherjee	Hillcrest High	AI based Skin Disease Detector
	Tanvi Bandiatmakur	West High	Sublocalization of Magi-1 and Kirrel-3 in CHO Cells
	Ivan Wang	Rowland Hall	Understanding the Mechanisms of Sugar Addiction in Drosophila Melanogaster
University of Utah Health Division of Infectious Disease Award	Jayashabari Shankar & Narayani Shankar	Hillcrest High	Analyzing Virus Genomes with Intervene and Python programs
	Megan Selmer	Juan Diego Catholic High	Antibiotic Discovery from Great Salt Lake-Derived Actinomycetes
	Krishnam Goel	West High	Harmful Algal Blooms Threaten Global Surface Water Sustainability- an ecosystem based study
Yale Science and Engineering Association	Madilyne Beaudry	St. Joseph High School	Testing the Use of Crude Enzymes from White-rot Fungus for Sustainable Cellulose Delignification
Director's Award Elementary Division	Milo Patterson	Horizon Elementary	Clothes-O-matic 2000
Director's Award Junior Division	Sophia ivie	Entheos Academy	The GrowBot: A Device and App System for Design and Maintenance of Urban Gardens
Director's Award Senior Division	Cade Hunter	American Heritage	Revers Ride on the Backwards Bike
Curiosity Cup	William Barney	Wasatch Jr. High	Reaching "That Spot" on Your Back

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	Adam Eckhardt & Eli Wright	Churchill Jr. High	Biodegradable Nerf Darts
	Kaya Kent	Hillside Middle School	Bagles: The Hole Story
GENIUS Olympiad	Madilyne Beaudry	St. Joseph High School	Testing the Use of Crude Enzymes from White-rot Fungus for Sustainable Cellulose Delignification
	Krishnam Goel	West High	Harmful Algal Blooms Threaten Global Surface Water Sustainability- an ecosystem based study
	Aleaokalani Pindat-Kahele	Juan Diego Catholic High	The Effect of Varying Concentrations of Rock Climbing Chalk on Thymus Vulgaris
	Isabella DeLagerheim	Salt Lake Center for Science Education (SLCSE)	Creating Soil Stability on The Great Salt Lake Utilizing Biosolids
Thermo Fisher JIC	Aadi Mishra	The Waterford School	Countering Financial Misinformation on Social Media
	River Gandee	Challenger	Effect of Thermal Conductivity of Fabrics on the Preservation of Temperature within a Fabric Insulated Pouch in a Cold Ambient Environment
	Lavanya Mohnani	Challenger	Utilizing Organosilanes for Microplastic Removal through Agglomeration-Fixation
	Aditya Sridhar	Challenger	A Path to Carbon-Neutral World
	Cole Thomsen	Hillside Middle School	AI: Bad, Better, Best
	Britain Bennett	St. John the Baptist Middle School	The depletion of the Great Salt Lake and Brine Shrimp
	Ammon Maxfield	American Preparatory Academy APA Draper 3	Grocery Bag Sleeping Bag
	Jacob Houston	Matheson Jr. High	Fish Food
	Emily Davison	Clarke N. Johnsen Jr. High	Super Cymatics
	Samuel Smith	J.E. Cosgriff Memorial	What is the Effect of Soil Density on Plant
	Isaac Viera	Clarke N. Johnsen Jr. High	Marvelous Marble Machines
	Aurelia Otis-Pasternak	Churchill Jr. High	The Power of Placebo; Adults vs Kids
	Ansh Devlekar	Challenger	"C" the Difference
	Eleanor Rowley	Challenger	The Skin You're In
	Thalia Hanfland-Parenti	Challenger	Can Hair Stop Oil Pollution
	Dalia Habib	Challenger	Chromatography: The Color Writing of Tree Leaves
	Anushka Rajeev	Midvale Middle School	Junior Golf, Is There Par-ity?
	Noelle Rees	American Preparatory Academy APA Draper 2	Fantastic Blades
	Thompson Wright	Wasatch Jr. High	"The Music Cube": Revising the Piano Book Stand
	Sophia Zhang	Rowland Hall	Silence Please: The Effect of Porosity of Acoustic Materials on Sound Reduction
	Dan Jansen	Churchill Jr. High	How Substances Affect the Growth of Biofilm
	PRANAV BAGIRATHAN	Challenger	Sound Response to Resistance
	Aaditya N Kuberan	Challenger	Stop the Clot!
	Jayden Roos	Challenger	Make the Great Salt Lake Great Again
	Philip Germanov	Ensign Elementary	Automating Repetitive Task for Teachers Using Robotic Processing Automation (RPA)
	Kethan Reddy	Challenger	Microplastic Pollution Solution
	Mary Fedorov	Challenger	Energy Conservation With. . . Grass?