

**2023 USEF - Elementary Division**

<b>Category and Rank</b>	<b>Name</b>	<b>School</b>	<b>Project Title</b>
Behavioral & Social Sciences - First	Jacob Paulson	Cottonwood Elementary	Boosting Memory
Behavioral & Social Sciences - Second	Claire Pearson	Highland Park Elementary	Does Sight Affect Taste: A Sparkling Water Experiment sight
Behavioral & Social Sciences - Third	Claire Mitchell	Morningside ALC	Does Color Affect Memory?
Behavioral & Social Sciences - Fourth	Elaine Bogus	St. John the Baptist Middle School	Bark Bark, Who's There?
Behavioral & Social Sciences - Honorable Mention	Willa Bernard & Theo Klimes	Bonneville Elementary	Do Memory Games Improve Short Term Memory?
Behavioral & Social Sciences - Honorable Mention	Grady Ermini	Reid School	Why Did I Quit?
Behavioral & Social Sciences - Honorable Mention	Kendall Mitchell, Sierra Mitchell & Maya Martin	Silver Mesa Elementary	Color Vs. Flavor
Behavioral & Social Sciences - Honorable Mention	Abby Wilcox & Aspen Mead	Weilenmann School of Discovery	Are you reaching your full reading potential?
Behavioral & Social Sciences - Honorable Mention	Evalyn Rawlings	Overlake Elementary	That's One Tough Baby!
Behavioral & Social Sciences - Honorable Mention	Matilda Moore & McKel Yager	Indian Hills Elementary	Anxiety Levels of Music
Biology & Microbiology - First	Dan Jansen	Churchill Jr. High	How Substances Affect the Growth of Biofilm
Biology & Microbiology - Second	Kamila Moreno, Zoe Moreno & Brittany Sanchez	Esperanza Elementary	Hearts of Music
Biology & Microbiology - Third	Derek Hardink	Challenger	Insane in the Membrane!
Biology & Microbiology - Fourth	Carson Drage	American Preparatory Academy APA Draper 2	Tooth Talk
Biology & Microbiology - Honorable Mention	Jaxon Paige	Sterling Elementary	Hazardous Humans - How are we harming Utah Lake?
Biology & Microbiology - Honorable Mention	Lilly Lundgreen	Middle Canyon Elementary	Power Up
Chemistry & Biochemistry - First	Marina Chen	Challenger	Let Yeast Make Nice Breads Not Bad Breath
Chemistry & Biochemistry - Second	Brodric McCracken	Emerson Elementary	Sugar Spread
Chemistry & Biochemistry - Third	Penney Lever & Paityn Wayman	McMillan Elementary	Concluding Crumbly Cakes
Chemistry & Biochemistry - Fourth	Luc Hardink	Challenger	It's NAD What You Think
Chemistry & Biochemistry - Honorable Mention	Ellie Wang	Challenger	Effects of Cold Pack Chemicals
Chemistry & Biochemistry - Honorable Mention	Charlotte Jacobsen	McMillan Elementary	Isn't it eggscellent?
Chemistry & Biochemistry - Honorable Mention	Adella de Azevedo, Elizabeth Leick & Maggie Powell	Willow Canyon Elementary	Fizzy Lifting Drink
Chemistry & Biochemistry - Honorable Mention	Aeden Peters	St. Andrew School	Salt Out Fire
Chemistry & Biochemistry - Honorable Mention	Samuel Bell	Dilworth Elementary	Swedish Fish™, Gummies & Naked Eggs-Study of Osmosis
Chemistry & Biochemistry - Honorable Mention	Aashita Mandiwal	American Preparatory Academy APA Draper 2	BUST that RUST
Civil & Environmental Engineering - First	Sophia Zhang	Rowland Hall	Silence Please: The Effect of Porosity of Acoustic Materials on Sound Reduction
Civil & Environmental Engineering - Second	Alexander Bonner & Bryant Feng	Indian Hills Elementary	Thermal Desalination to Save Great Salt Lake
Civil & Environmental Engineering - Third	Celine Booker	Challenger	Need Cement Formation?
Civil & Environmental Engineering - Fourth	Adelaide Allen & Paisley Crookston	American Heritage	Hydraulic Pull Bridge
Civil & Environmental Engineering - Honorable Mention	Lev Wickelson & Toby McLeod	Whittier Elementary (SLC)	Household Solar Reflectors
Computer Science & Applied Computational Methods - First	Anushka Rajeev	Midvale Middle School	Junior Golf, Is There Par-ity?
Computer Science & Applied Computational Methods - Second	Philip Germanov	Ensign Elementary	Automating Repetitive Task for Teachers Using Robotic Processing Automation (RPA)
Computer Science & Applied Computational Methods - Third	Wesley Bott	Woodstock	No More Procrastination Nation
Computer Science & Applied Computational Methods - Fourth	Milo Patterson	Horizon Elementary	Clothes-O-matic 2000
Earth & Environmental Sciences - First	Jayden Roos	Challenger	Make the Great Salt Lake Great Again
Earth & Environmental Sciences - Second	Kethan Reddy	Challenger	Microplastic Pollution Solution
Earth & Environmental Sciences - Third	Mary Fedorov	Challenger	Energy Conservation With. . . Grass?
Earth & Environmental Sciences - Fourth	Andy Lin	Wasatch Jr. High	Why dosen't lightning follow the shortest path?
Earth & Environmental Sciences - Honorable Mention	Keertana Parameswaran	Challenger	Zinc Invasion
Earth & Environmental Sciences - Honorable Mention	Nadine Saadalla	Woodstock	How Can We Make Agriculture More Efficient For All?
Earth & Environmental Sciences - Honorable Mention	Brielle Spuhl & Azurie Felt	Churchill Jr. High	Trash to Oxygen

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Earth & Environmental Sciences - Honorable Mention	Dalton Lavoie & Austin Rutledge	Indian Hills Elementary	How Plants React to Different Liquids
Earth & Environmental Sciences - Honorable Mention	Sydney Harrington	Twenty Wells	Soil Erosion
Earth & Environmental Sciences - Honorable Mention	Henry Eagleston	Cottonwood Elementary	Chirp Chirp, Attempting to Change the Speed of Crickets' Chirping
Electrical Engineering - First	Liam Whisenant	Cottonwood Elementary	Drip, Drip, Drip: Engineering a Solution to Limit Residential Water Waste
Electrical Engineering - Second	PRANAV BAGIRATHAN	Challenger	Sound Response to Resistance
Electrical Engineering - Third	Alex Balasanyan	American Preparatory Academy APA Draper 1	Liquid Conductivity
Electrical Engineering - Fourth	Danielle Richards	Silver Mesa Elementary	Will it Conduct?
Energy: Chemical & Physical - First	Noelle Rees	American Preparatory Academy APA Draper 2	Fantastic Blades
Energy: Chemical & Physical - Second	Colin Robrecht	Ensign Elementary	How Temperature Affects Battery Longevity
Energy: Chemical & Physical - Third	Belfield Zaniello	Weilenmann School of Discovery	INSULATE
Energy: Chemical & Physical - Fourth	Samantha Sejo	American Preparatory Academy APA Draper 1	Temperature Change
Energy: Chemical & Physical - Honorable Mention	Sawyer Bowers, Shaylee Ballard & Annabella Luna	McMillan Elementary	What Keeps the Heat?
Energy: Chemical & Physical - Honorable Mention	Lizzie Altman, Lilah Hansen & Hollen Carreau	Indian Hills Elementary	What Sports Drink has the Most Electrolytes?
Energy: Chemical & Physical - Honorable Mention	Asher Oakeson	Silver Summit Academy	Fun With the Sun
Mechanical & Materials Engineering - First	Thompson Wright	Wasatch Jr. High	"The Music Cube": Revising the Piano Book Stand
Mechanical & Materials Engineering - Second	Scarlett Christian	Indian Hills Elementary	Moldable Mushroom Mycelium
Mechanical & Materials Engineering - Third	Harrison Rather	Woodstock	The Pitcher
Mechanical & Materials Engineering - Fourth	James Sanders	Viewmont Elementary	Adaptive Kayaking
Mechanical & Materials Engineering - Honorable Mention	Jonathan Evans	Bonneville Elementary	Which Is Faster?
Mechanical & Materials Engineering - Honorable Mention	Charles Stormont	Wasatch Elementary	Finding the Best Length for Speed
Mechanical & Materials Engineering - Honorable Mention	Marcel Tavtgian	Indian Hills Elementary	Does the size of the axles of the wheels effect the speed of a car?
Mechanical & Materials Engineering - Honorable Mention	Logan Murdock	Neil Armstrong Academy	Keep it in!
Mechanical & Materials Engineering - Honorable Mention	Merith Mackey	Emerson Elementary	It's Knot Breaking: Breaking Knots to Test Their Strength
Mechanical & Materials Engineering - Honorable Mention	Aspen Benjamin & Maren Lane	Horizon Elementary	Design O Pant
Medicine, Health Sciences, & Biomedical Engineering - First	Aaditya N Kuberan	Challenger	Stop the Clot!
Medicine, Health Sciences, & Biomedical Engineering - Second	Harper Shewan	Woodstock	Good Vibes: A Vibrating Pain Relief Device
Medicine, Health Sciences, & Biomedical Engineering - Third	Holland Smith	Morningside ALC	Beef Tallow- The Elixir of Youth?
Medicine, Health Sciences, & Biomedical Engineering - Fourth	Christopher Wilkerson Wong	Morningside ALC	Does the loss of sense of smell affect how much kids eat?
Medicine, Health Sciences, & Biomedical Engineering - Honorable Mention	Mila Torsak	Uintah Elementary	What drink provides more electrolytes?
Physics, Astronomy & Math - First	Maviny Houdeshel & Sabrina Houdeshel	Bonneville Elementary	3,2,1, Blastoff...
Physics, Astronomy & Math - Second	Catherine Fuller	Challenger	Saltwater Circuit
Physics, Astronomy & Math - Third	Ben Hawkins	Overlake Elementary	Rocket Science
Physics, Astronomy & Math - Fourth	Aribelle Heninger	Highland Park Elementary	The "Magic" Copper Tube
Physics, Astronomy & Math - Honorable Mention	Adwita Mandiwal	American Preparatory Academy APA Draper 2	The Magic of TURNS in Electromagnet
Physics, Astronomy & Math - Honorable Mention	Nomar Santana	Blessed Sacrament	Can we land on that planet?
Physics, Astronomy & Math - Honorable Mention	Ellis Tahi Kinikini	Morningside Elementary	Does weight affect speed when biking downhill?
Physics, Astronomy & Math - Honorable Mention	Fiona Boyle	Challenger	Stopping Radiation
Physics, Astronomy & Math - Honorable Mention	Eleanor Fatz	Fox Hills ALC	Which Type of Dice is Most Fair?
Plant Sciences - First	Dalia Habib	Challenger	Chromatography: The Color Writing of Tree Leaves
Plant Sciences - Second	Bailey McKeithen	Bonneville Elementary	Plant consumption of CO <sub>2</sub> within plant species
Plant Sciences - Third	Caroline Bardsley	Highland Park Elementary	Which type of water makes plants grow the fastest?

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Plant Sciences - Fourth	Sandy VanDam, Diana Johnson & London Thorn	American Heritage	Let it grow
Plant Sciences - Honorable Mention	Molly Baron	Ensign Elementary	Does melatonin make plants more drought resistant