

USEF 2021- Junior Division

Category and Rank	Name	School Name	Project Title
Behavioral & Social Science- First	Anna Smith	J.E. Cosgriff Memorial	Do Students Learn Better IN-Person or Online?
Behavioral & Social Science- Second	Nathan Winder	Clarke N. Johnsen Jr. High	Are fingerprints hereditary?
Behavioral & Social Science- Third	Isaac Hildebrand	J.E. Cosgriff Memorial	How is accuracy of reading affected when the word of a color and the font color are different?
Behavioral & Social Science- Fourth	Lucas Norman	Bonneville Academy	Temperature and Memory
Biology and Microbiology- First	David Habib	Challenger School Salt Lake Campus	Osmosis: The effect of salt concentration on the movement of water molecules through a cell membrane
Biology and Microbiology- Second	Mia Sibthorp	J.E. Cosgriff Memorial	What bird food do bird's in salt lake city like best?
Biology and Microbiology- Third	Maya Phillips	Our Lady of Lourdes	Do Essential Oils Kill Bacteria?
Biology and Microbiology- Fourth	Kache Hortmann	Challenger School Salt Lake Campus	Tomacco (Tomato and Tobacco)
Civil & Environmental Engineering- First	Gabriela Bergantz	Bonneville Academy	BioPlastic Packaging
Civil & Environmental Engineering-Second	Aadhi Umamageswaran	American Preparatory Academy D3	Breathe Free!
Chemistry & Biochemistry- First	Trey Nicolodemos	St. John the Baptist Middle School	Does wind speed affect the rate of evaporation of different waters differently
Chemistry & Biochemistry- Second	Abbey Bowers	St. Vincent de Paul	Boba the Popping Sensation
Chemistry & Biochemistry- Third	Bella Nguyen	Challenger School Sandy Campus	Determining sugar levels in drinks
Chemistry & Biochemistry- Fourth	Ruchiraa Chinta	American Preparatory Academy D3	Application of Aqueous Solutions to Prevent the Oxidation of an Apple
Computer Science & Applied Computational Methods - First	Shurik Rajeev	West High	Does the News Have Bias?
Electrical Engineering- First	Dakota Lara	Kearns-St. Ann	Light sensing robots - into the light
Electrical Engineering- Second	Beau Saber	J.E. Cosgriff Memorial	Engineering a Submersible Magnetic Device to Capture Microplastic Pollutants from Water Bodies
Electrical Engineering-Third	Jacob Tanner	St. John the Baptist Middle School	iTub
Electrical Engineering- Fourth	Anda Xie	West High	Spring Foreverer
Energy: Chemical & Physical- First	Senya Walker	Union Middle School	Effect of Wavelength on Photovoltaic Cell Power Production
Energy: Chemical & Physical- Second	Macie Parker	Clarke N. Johnsen Jr. High	Freeze Dried Mystery
Energy: Chemical & Physical-Third	Sophia Lentz	St. John the Baptist Middle School	Pyrometer Potpourri
Energy: Chemical & Physical- Fourth	Esme Thorn	Challenger School Salt Lake Campus	Finding renewable energy: Testing soil types
Earth & Environmental Science- First	Sierra Sun & Sahil Shaw	The Waterford School	Little Cottonwood Paleodelta in Lake Bonneville: A Geologic Analog in Utah for the Rover Perseverance Landing Site at Jezero Crater on Mars
Earth & Environmental Science- Second	Nikolas Vargas	St. Andrew	Oil Response

Earth & Environmental Science- Third	Eva Dvoretzkiy	Challenger School Salt Lake Campus	What does the air have to do with it? The effect of air quality on the chemical composition of precipitation
Earth & Environmental Science- Fourth	Vineet Subramanyan	Challenger School Sandy Campus	HOW EFFECTIVE ARE NATURAL WATER FILTERS
Mechanical & Materials Engineering- First	Quinton Block	Hillside	E-trike
Mechanical & Materials Engineering- Second	Sarah Fiore	St. John the Baptist Middle School	Abrasion Resistance of different fishing lines
Mechanical & Materials Engineering- Third	Weston Bruderer	Clarke N. Johnsen Jr. High	Bugs On Your Tongue
Mechanical & Materials Engineering- Fourth	Lucia Glime & Annika Simonse	Olympus Jr. High	No-Slip Stickers
Medicine, Health Sciences, & Biomedical Engineering- First	Belinda Hernandez	Kearns-St. Ann	Stopping Fungus in Its Tracks with Anti-Fungal Agents.
Medicine, Health Sciences, & Biomedical Engineering- Second	Dylan Anderson	St. Vincent de Paul	Does Daily Stretching Effect Your Jumping Vertical
Medicine, Health Sciences, & Biomedical Engineering- Third	Kate Parkinson	West Lake Jr. High	Turtle Mask
Medicine, Health Sciences, & Biomedical Engineering- Fourth	Kristen Layton	Challenger School Salt Lake Campus	Titration degradation
Physics, Astronomy & Math- First	Ella Still	J.E. Cosgriff Memorial	How does the electric current of a battery affect the strength of an electromagnetic field?
Physics, Astronomy & Math- Second	Kira Schmelter	Challenger School Sandy Campus	Mimicking the Eardrum: What is the effect of different pitches of sound on the movement of salt crystals placed on plastic wrap stretched over the top of a cookie tin?
Physics, Astronomy & Mat Third	James Anderson	St. Vincent de Paul	Skyglow: How The Moon Plays Into It
Physics, Astronomy & Math- Fourth	Joshua Hale	St. Olaf	Bending BBs!
Plant Sciences- First	Isabella Delagerheim	SLCSE	The Effect of Soap Type in Greywater on Plant Heath
Plant Sciences- Second	Lexi Christensen	Clarke N. Johnsen Jr. High	Seed germination and tempture
Plant Sciences- Third	Fernanda Robles	American Preparatory Academy WV2	Fertilization levels can affect a plants growth
Plant Sciences- Fourth	Twila Baer	Union Middle School	Sour Power