

2026 USEF - Junior Division

Category and Rank	Name	School	Project Title
Behavioral & Social Sciences - 1st	Olivia Ding	West High	The Effect of Exercise on Memory and Reaction Time in Adolescents
Behavioral & Social Sciences - 2nd	Ellianna Gu	Wasatch Jr. High	Bot-tling Up Emotions: How AI Chatbots Interpret & Respond to Emotionally Challenging Scenarios
Behavioral & Social Sciences - 3rd	Claire Pearson, Shruthy Arun, Emma Hinckley	Hillside Middle School	Catching More Z's: How do Different Pre Bedtime Routines Impact the Quality of Different Sleep Stages for Adults?
Behavioral & Social Sciences - 4th	Shriyan Adluru, John Shelton	Wasatch Jr. High	Before the Crash: When A Blink Changes Everything
Behavioral & Social Sciences - Scientific Merit	Esmee Theloesen, Edith Larsen, Avery Mugleston	Channing Hall	The Power of Exercise
Behavioral & Social Sciences - Scientific Merit	Daveney Batty	Terra Academy	Color Preference in Horses
Behavioral & Social Sciences - Scientific Merit	Haylin Chong	St. Vincent de Paul School	Now You See Me...
Behavioral & Social Sciences - Scientific Merit	Kalila Hunt	Entheos Academy	Are Your Daily Habits Affecting Your Sleep and How Stressed You Are?
Behavioral & Social Sciences - Scientific Merit	Kennedy Forsgren	Albion Middle School	Autism Bias
Behavioral & Social Sciences - Scientific Merit	Eliana Marshall	Entheos Academy	The Impact of Social Media on Teen's Mental Health
Biology, Microbiology, & Genetics - 1st	Mara Jury nec, Elliott Oderda	Churchill Jr. High	Brick by Brick: The Influence Of Substrate Composition On The Structural Integrity Of Mycelium Bricks
Biology, Microbiology, & Genetics - 2nd	Chinmayi Kollegal	Challenger	Fabulous Flexible Films
Biology, Microbiology, & Genetics - 3rd	Bella Newton	St. John the Baptist Middle School	Temperature Effects on the PH Levels of Grape Anthocyanins
Biology, Microbiology, & Genetics - 4th	Ella Lanspa	J.E. Cosgriff Memorial	How does pH affect the growth of bacteria?
Biology, Microbiology, & Genetics - Scientific Merit	Aviran Rahman	St. John the Baptist Middle School	Effect of Exercise on Cognitive Ability
Biology, Microbiology, & Genetics - Scientific Merit	Aidan Joe	St. John the Baptist Middle School	How does water temperature affect Guppies Behavior
Biomedical Engineering & Health Technologies - 1st	Marina Chen	Challenger	Look Away! Engineering Smart Glasses That Reduce Eye Strain
Biomedical Engineering & Health Technologies - 2nd	Truman Barney	Wasatch Jr. High	Infection Detecting Sutures
Biomedical Engineering & Health Technologies - 3rd	Akshath Srivathsan	Challenger	The kidney filtration - innovating kidney filtration
Biomedical Engineering & Health Technologies - 4th	Siddharth Sarkar	Challenger	Rethinking Woundcare: Engineering an Oral Bandage
Chemistry & Biochemistry - 1st	Winston Turpin	Challenger	Reactivation of Aluminas for the Removal of t-Butylcatechol from Isoprene
Chemistry & Biochemistry - 2nd	Eason Xing	Challenger	Bubbling with Energy
Chemistry & Biochemistry - 3rd	Olivia Wang	Challenger	Catalyzed Oxidation
Chemistry & Biochemistry - 4th	Cache Christensen	Challenger	Chemiluminescence's Essence
Chemistry & Biochemistry - Scientific Merit	Elliot Su	Challenger	Catalase vs. Hydrogen Peroxide
Chemistry & Biochemistry - Scientific Merit	Madison Fairchild	St. John the Baptist Middle School	Gimme Some Sugar
Chemistry & Biochemistry - Scientific Merit	Liam Day	Uintah Middle School	What's So Different About Our Drinking Water
Chemistry & Biochemistry - Scientific Merit	William Pearson	Hillside Middle School	Why do apples brown? What substances slow the browning?
Chemistry & Biochemistry - Scientific Merit	Shelby Stults	Mount Vernon Academy	The Effect of pH on Vitamin C in Orange Juice
Civil & Energy Engineering - 1st	Sai Chandan	American Preparatory Academy APA Draper 3	From Space Landers to Earthquake-Proof Bridges: Tensegrity as Nature's Shock Absorber
Civil & Energy Engineering - 2nd	C.J. George	Challenger	Wire Warp
Civil & Energy Engineering - 3rd	Vivian Le	Wasatch Jr. High	Solar Energy: Powering a Sustainable Future
Civil & Energy Engineering - 4th	Ryan Rajakumar , Nishantsai Talapureddy	American Preparatory Academy APA Draper 3	Hybrid Car of The Future: Solar & Battery
Civil & Energy Engineering - Scientific Merit	SMERA NAIR	St. John the Baptist Middle School	NATURE'S CHARGER: A wind powered device charger.
Computer Science & Applied Computational Methods - 1st	Ayan Mishra	The Waterford School	Low-Cost Monitoring of Noxious Gases Near Landfills using AI: Health Implications for People Living and Working Nearby

2026 USEF - Junior Division

Computer Science & Applied Computational Methods - 2nd	Akshat Venugopal	American Preparatory Academy APA Draper 3	Smart Weather Station
Computer Science & Applied Computational Methods - 3rd	Wahida Zeena , Asher Allen	Wasatch Jr. High	Recognizing Hand Gestures with MediaPipe
Computer Science & Applied Computational Methods - 4th	Shranaav Senthil	Beehive Academy	Predicting Thyroid Cancer Recurrence with Machine Learning
Electrical & Computer Engineering - 1st	Luca Negovan	Churchill Jr. High	Lego Ev3 Home Video Game Console
Electrical & Computer Engineering - 2nd	Peggy Wu, Cissy Xie	Wasatch Jr. High	Visionaide: The Ultrasonic Navigation System
Electrical & Computer Engineering - 3rd	Charles Gardner	Challenger	Turning Wind Into Watts
Electrical & Computer Engineering - 4th	Bulat Urmeyev	Challenger	Hot n' Cold Wire Makes Hall Voltage Higher
Environmental Sciences & Engineering - 1st	Samuel Pierce	Uintah Middle School	Protecting Native Fish from Invasive Species with Automated Sorting
Environmental Sciences & Engineering - 2nd	Ashley Taylor	St. Vincent de Paul School	Density Separation
Environmental Sciences & Engineering - 3rd	Linnea Schmid	Wasatch Jr. High	Building a Smart Trash Sorter: Is AI the Solution to Pollution
Environmental Sciences & Engineering - 4th	Cristin Halverson	Vernal Middle School	Fuels N' Fire
Environmental Sciences & Engineering - Scientific Merit	Molly Smith	J.E. Cosgriff Memorial	What Substances Best Reduce Landfill Methane Gas To Lessen Its Contribution To Global Warming?
Environmental Sciences & Engineering - Scientific Merit	Aadit Khemka	West High	Effectiveness of Biodegradable Chitosan from Shrimp Shells in Water Purification
Environmental Sciences & Engineering - Scientific Merit	Katherine Lanspa	J.E. Cosgriff Memorial	Do Reef-Safe Sunscreens Affect Coral Protecting Algae Less Than Chemical Sunscreens?
Environmental Sciences & Engineering - Scientific Merit	Eishal Syed	Challenger	Acid Rain
Environmental Sciences & Engineering - Scientific Merit	Sabrina Houdeshel, Maviny Houdeshel	Clayton Middle School	Projet Permafrost
Environmental Sciences & Engineering - Scientific Merit	Lily Francis, Violet Francis, Edith Wilson	Hillside Middle School	Does salinity affect evaporation?
Environmental Sciences & Engineering - Scientific Merit	Pranav Sudharsankumar	American Preparatory Academy APA Draper 3	The Effects of Light on the Foraging Ability of the Western Harvester Ant, Pogonomyrmex occidentalis
Environmental Sciences & Engineering - Scientific Merit	Hayley Lund	American Preparatory Academy APA Draper 3	From Alginate To Awesome
Environmental Sciences & Engineering - Scientific Merit	Zion Red Thunder	Entheos Academy	Rocks vs. The Elements of Weathering
Environmental Sciences & Engineering - Scientific Merit	Lev Burtsev	Our Lady of Lourdes	Impact of Large Industrial Facilities and Highways on the Air Quality in the Salt Lake Valley
Environmental Sciences & Engineering - Scientific Merit	Avery Roos	Challenger	Plastics are not Fungis
Mechanical & Materials Engineering - 1st	Ryan Mohammadi	Hillside Middle School	Model Roller Coaster: Factors That Affect an Object's Velocity
Mechanical & Materials Engineering - 2nd	Nadia Wong	Uintah Middle School	From Bottle to Build
Mechanical & Materials Engineering - 3rd	Jarom Hall	American Preparatory Academy APA Draper 3	Using Medieval Siege Weapons to Launch Rockets into Space
Mechanical & Materials Engineering - 4th	Caden Widmaier	Challenger	From Powder to Power
Mechanical & Materials Engineering - Scientific Merit	James Jones	Wasatch Jr. High	Lidar or Sonar: Which is the Better Sensor?
Mechanical & Materials Engineering - Scientific Merit	Colin Johason	Wasatch Jr. High	Hammer'n Rebar V2
Medicine & Health Sciences - 1st	Cohen Hubrich, Osha Furness	Weilenmann School of Discovery	Ice Pack Water Bottle
Medicine & Health Sciences - 2nd	Catherine Fuller	St. John the Baptist Middle School	Fluoride Armor: Protecting Calcium Compounds Against Acid Erosion
Medicine & Health Sciences - 3rd	Chloe Park, Holland Smith	Wasatch Jr. High	Developing a Machine Learning Model to Predict Hidden Heart Failure From Public Health Datasets
Medicine & Health Sciences - 4th	Abraham Shapiro	St. Vincent de Paul School	High Sugar Drink Alternative, "Miracle Berry"
Medicine & Health Sciences - Scientific Merit	Haven Harding	Our Lady of Lourdes	Stained Teeth
Medicine & Health Sciences - Scientific Merit	Emmaline Sloan	Our Lady of Lourdes	Mannitol is a Drug That Crystallizes, How Much is Left Behind?

2026 USEF - Junior Division

Medicine & Health Sciences - Scientific Merit	Subhrodeep Sinha	Wasatch Jr. High	Stress, the Silent Killer
Medicine & Health Sciences - Scientific Merit	Ruby Newlin	J.E. Cosgriff Memorial	How much Vitamin C Are in Oranges The Longer They Are Off the Tree?
Physics, Astronomy & Math - 1st	Abigail VanDongen	St. Olaf's School	Blood Stain Analysis: Is blood stain pattern and spatter analysis accurate in determining the speed a person used to leave a crime scene on foot?
Physics, Astronomy & Math - 2nd	Isabella Martinez	St. Olaf's School	How does magnet strength and wire thickness affect electromagnetic induction?
Physics, Astronomy & Math - 3rd	Michael McLachlan	St. John the Baptist Middle School	Magnetic Brakes
Physics, Astronomy & Math - 4th	Emma Liu	Wasatch Jr. High	Comparative Modeling of Lung Cancer Progression Using Gompertz and Baranyi Kinetic Frameworks
Physics, Astronomy & Math - Scientific Merit	Hyrum Jowers	Entheos Academy	Magnets Imitating Gravity
Physics, Astronomy & Math - Scientific Merit	Charles Tingey	American Preparatory Academy APA Draper 3	Race to Burn
Physics, Astronomy & Math - Scientific Merit	Alonso Avila	Challenger	Go with the Flow!
Physics, Astronomy & Math - Scientific Merit	Eva Arellano Zhorova	St. Olaf's School	The Surprising Strength of Eggshells. How Strong are different Eggshells?
Physics, Astronomy & Math - Scientific Merit	Elena Sims	Challenger	Resistance Is Futile
Plant Sciences - 1st	Matthew Yenchek	Wasatch Jr. High	The Impact of Radiation on Seed Growth
Plant Sciences - 2nd	Olivia Elifritz	Challenger	Mycelium Bioplastics
Plant Sciences - 3rd	Lauren Hildebrand	J.E. Cosgriff Memorial	Is Moss an Effective Ground Cover for Xeriscaping?
Plant Sciences - 4th	Kole Shotwell	J.E. Cosgriff Memorial	How do different color lights affect plant growth
Plant Sciences - Scientific Merit	Claire Opfermann, Kavya Reddy, Ruby Hall	Churchill Jr. High	Bio Buddies