

USEF 2018 - Junior Division			
Category and Rank	Name	School	Project Title
Behavioral & Social Sciences - First	Maggie Simms	J.E. Cosgriff Memorial	Does social media have an effect on a user's well-being and happiness?
Behavioral & Social Sciences - Second	Leya Joseph	J.E. Cosgriff Memorial	Does Memory Vary by Age and Gender?
Behavioral & Social Sciences - Third	Sofia Patnode	J.E. Cosgriff Memorial	What Is Causing Feather Damaging Behaviors In Captive Scarlet Ibises?
Behavioral & Social Sciences - Fourth	Celia Horowitz	Clayton Middle School	Correlation Between Extracurricular Activities and Cellphone Use
Biology & Biochemistry - First	Angie De La Cruz & Anastasia Dunca	West High	The Effect of Natural Antibiotics on the Rate of Antibiotic Resistance in Bacteria
Biology & Biochemistry - Second	Yvonne Kim	West High	The Effect of Caffeine in Coffee on the Growth of Bacteria
Biology & Biochemistry - Third	Savannah Lewis-Rogers	The McGillis School	Morphology In Pinyon Mice
Biology & Biochemistry - Fourth	Charles Topoleski	Blessed Sacrament	Probiotics versus Bacteria
Chemistry - First	Michael Silas	Challenger	A "Basic" Approach to CO2 Emissions
Chemistry - Second	Rishab Nayak	Challenger	The Effect of Water Salinity on Electrolysis
Chemistry - Third	Natalie Hicks	Clayton Middle School	Surface Tension Powerd Raft
Chemistry - Fourth	Ian Conner	J.E. Cosgriff Memorial	Swimmers' Hair
Earth & Environmental Sciences - First	Abigail Rupper & Whitney Dahle	Churchill Jr. High	Isotopes In Snow: A Global Perspective
Earth & Environmental Sciences - Second	Katie Horne	J.E. Cosgriff Memorial	Does a High Concentration of Carbon Dioxide in the Atmosphere Contribute to Global Warming?
Earth & Environmental Sciences - Third	Ari Schumacker	Churchill Jr. High	Wave Energy Viability on the Western Coast of the United States and Canada
Earth & Environmental Sciences - Fourth	Annika Deans & Kit Stevens	The McGillis School	Macromanaging
Energy: Chemical & Physical - First	Kate Borgmeier	St. Vincent de Paul School	The Effect of Velocity on a Personal-Sized Green Energy Wind Turbine for Power Generation (and mobile device charge times)
Energy: Chemical & Physical - Second	Sarah Hunter	Albion Middle School	Efficiency is Key
Energy: Chemical & Physical - Third	Matthew Gough	St. Joseph Elementary School	Go The Distance
Energy: Chemical & Physical - Fourth	Allison Holmberg & Enola Morrison	Salt Lake Center for Science Education (SLCSE)	Liquid Light
Engineering: Civil & Environmental - First	Jack Saber	J.E. Cosgriff Memorial	Using Magnetic Nanoparticle Engineering to Treat Water Polluted With Oil and Enable Recapture and Reuse of Oil
Engineering: Civil & Environmental - Second	Nithya Mahasanen, Isabel Crofts & Lily Crofts	Channing Hall	H2 Whoa 2
Engineering: Civil & Environmental - Third	Abigail Ross	St. John the Baptist Middle School	Peeling Off the Carbon Filters
Engineering: Civil & Environmental - Fourth	Daniel Rupp	West Lake Jr. High	Utah Water Crisis
Engineering: Electrical & Computer Science - First	Ethan Suresh	Churchill Jr. High	Which Pathfinding Algorithm is Best?
Engineering: Electrical & Computer Science - Second	Julien Grijalva	St. Joseph Elementary School	Pixel Deeplearning AI
Engineering: Electrical & Computer Science - Third	Seth Ivie	Entheos Academy	Sound for Sight: Using an ultrasonic sensor for for detection of occupancy, item location, and other real-life applications
Engineering: Electrical & Computer Science - Fourth	Dorothy Czyryca	St. John the Baptist Middle School	Marx Generator
Engineering: Materials & Biomedical - First	Lanee Farr	J.E. Cosgriff Memorial	Is the use of headgear effective in reducing the force to the brain that causes brain injuries?
Engineering: Materials & Biomedical - Second	Nathaniel Loveless	West High	What is the optimum printing temperature for a material in a FDM 3D printer?
Engineering: Materials & Biomedical - Third	Elena Ruegemer	Ecker Hill Middle School	Thermal Mass to the Rescue! How Does Material Density impact Solar Thermal Storage Capacity in Buildings to minimize Diurnal Swing?
Engineering: Materials & Biomedical - Fourth	Matthew Simmons	Midvale Middle School	Design of Quick Sweat Test for Cystic Fibrosis
Engineering: Mechanical - First	Marianne Liu	Midvale Middle School	Bad Hair Day
Engineering: Mechanical - Second	Eric Snauffer	Midvale Middle School	A New Guard : Evaluating Drone Propeller Guards
Engineering: Mechanical - Third	Mayme Hansen	Weilenmann School of Discovery	A Sunscreen Solution
Engineering: Mechanical - Fourth	Nicholas Jacob	Beehive Academy	Self Solving Rubik's Cube.

Medicine & Health Sciences - First	Huck Jones	American Preparatory Academy	A Measurement of the Onset Time of the Occipital Alpha Rhythm Using a Brain Computer Interface
Medicine & Health Sciences - Second	Lily Chidester & Sierra Heflin	Clayton Middle School	The Big Bone Theory: Is Bone Width Determined by Weight?
Medicine & Health Sciences - Third	Mercedes Randhahn	St. Joseph Elementary School	Can Music Calm The Wild Beast?
Medicine & Health Sciences - Fourth	Aiden Pasinsky	Beehive Academy	How Do Different Drinks Affect Your Blood Oxygen?
Physics, Astronomy & Math - First	Thomas Baird & Matan Siporin	Hillside Middle School	Duct Tape Dilemma
Physics, Astronomy & Math - Second	Caroline Cooper	West High	An Imperfect Lever
Physics, Astronomy & Math - Third	Christopher Pankow	Home School	Material Obstruction and Microwaves
Physics, Astronomy & Math - Fourth	Lauren Crockett	Reid School	A "Sound"ing Acoustics
Plant Sciences - First	Colleen MacWilliams	J.E. Cosgriff Memorial	How Does CO2 Affect Plant Nutrient Content?
Plant Sciences - Second	Emma Mejia	Blessed Sacrament	Acid Rain and Our Plants
Plant Sciences - Third	Caitlyn Michini	Clayton Middle School	How Does Soil Temperature Affect Root Growth In Plants?
Plant Sciences - Fourth	Molly Barnette	Bryant Middle School	Is More Better?