

Special Awards Ceremony
Southern Utah Science and Engineering Fair
Senior Division

Utah Veterinary Medical Association

DESCRIPTION: Recognizing students with projects related to animal sciences

PRIZE: Superior- Certificate & \$100 cash, excellence- Certificate & \$50 cash

Project	Grade	Title
SR-AS-121 Success Academy Dsu Gardner, Lauren	11	An Investigation Into the Reproductive Strategies of Neritina natalensis
SR-EM-126 Success Academy Dsu Farnsworth, Shane	11	The Effects of Lead Oxide and Copper Powder on the Development of Zebrafish Embryo

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US Navy

DESCRIPTION: Projects Showing excellence in the field of Science, Technology, Engineering, and Mathematics.

PRIZE: JR. Fair- Certificate of achievement & a medallion.

SR. Fair- Certificate of achievement, medallion & award letter redeemable for a \$50 gift card.

Project	Grade	Title
SR-EE-237 Carbon High School Humes, Parker	10	FANTastic
SR-EMB-113 Success Academy Dsu Twitchell, Hunter	11	The Effect of Dimple Configuration on Golf Ball Flight Time and Distance

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U.S. Airforce

DESCRIPTION: Projects that encourage study in the math, sciences, and engineering fields. And where possible, recognize projects that offer Air Force applicability.

Project	Grade	Title
SR-MH-202 Carbon High School Jensen, Marquee	10	A Diabetics Good Nights Rest
SR-MS-130 Success Academy Dsu Saifee, Zahra Mustufa	11	The Effect of Diet and Exercise on Type 2 Diabetics
SR-MS-195 Carbon High School Acosta, Fatima	11	The Importance of Blood Drops

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U.S. Army

Recognizes top projects in 1. Engineering. 2. Environmental sciences 3. Mathematics/computer science. 4. Life sciences, and 5. Physical science

PRIZE: Certificate & Army ROTC goodies. If applicable, honorable mentions will receive certificates.

Project	Grade	Title
SR-BS-187 Success Academy Suu Orison, Larissa	10	Mere Exposure and Making Comparisons
SR-CS-190 Carbon High School Hansen, Luke	11	Target Sort:A New Sorting Algorithm Inspired by the Rubik's Cube
SR-MH-165 Success Academy Dsu Bryner, Katelyn	11	Beneficial Alternatives to Benzophenone-3 in Chemical-Based Sunscreen for Additional Protection from UVA/UVB Radiation

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Applied Natural Resources and Public Lands

Description: Projects that relate to natural resources and/or public lands or animals and/or the environment.

PRIZE: special award for first, second, & third place

Project	Grade	Title
SR-ES-198 Carbon High School Kister, Trista	11	Distillation and Filtration of Gas Well Produced Water
SR-ES-215 Canyon View High School Sandoval, Isaac	9	The Effect of White Tailed Prairie dogs on Soil Health in New Castle, UT.
SR-PS-178 Carbon High School Broadbear, Grace	9	Don't Treat Soil Like Dirt

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American Psychological Association

Recognizing outstanding research in psychology under the category of behavioral and social sciences or any category relate to psychology (e.g. animal sciences, computer science, environmental science, medicine & health) UP TO TWO AWARDS
PRIZE: Certificate

Project	Grade	Title
SR-BS-187 Success Academy Suu Orison, Larissa	10	Mere Exposure and Making Comparisons

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ASM Materials Education Foundation

Recognizing the winner of the best materials engineering project(s) at each regional fair temporary certificate today will receive an official certificate and medallion in the mail.

PRIZE: Certificate & Medallion

Project	Grade	Title
SR-EMB-132 Success Academy Dsu Hoelterling, Leilana	11	Effects of natural and synthetic fibers and fabrics on thermal properties of emergency mylar blankets

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Association for Women Geoscientists

Recognizing females whose projects exemplify high standards of innovativeness and scientific excellence in geosciences.

PRIZE: Certificate

Project	Grade	Title
SR-EP-133 Success Academy Dsu Mathis, Jenecee	11	The Effect of Category Four Hurricanes and Humanitarian Aid on Fertility Rates

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ASU Rob and Melani Walton Sustainability Solutions Initiatives

For a student who seeks innovative solutions to humanity's most challenging problems. Must have intent to solve a complex problem that involves social justice or environmental and economic prosperity.

PRIZE: Certificate & nomination to enter for a trip to Arizona for the 2016 sustainability to solutions festival.

Project	Grade	Title
SR-EM-199 Carbon High School Yoklavich, Tyler	10	Going Small to Clean Up Big: Increasing Efficiency of Oil Spill Cleanup. Phase II
SR-EMB-194 Carbon High School Payan, Brenda	12	Bioluminescence On Wheels: Algae-Powered Bike Light

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Air & Waste Management Association

DESCRIPTION: Project of a promising student who is working on environmental engineering, science and/or management.

PRIZE: Certificate and \$75 cash

Project	Grade	Title
SR-EM-199 Carbon High School Yoklavich, Tyler	10	Going Small to Clean Up Big: Increasing Efficiency of Oil Spill Cleanup. Phase II

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Biology

Students who show outstanding Biology in their projects.

PRIZE: certificate & a book

Project	Grade	Title
SR-BS-139	11	The Effects of Bacopa monnieri on Blaberus discoidalis Memory Tested Via Microstimulation of the Antenna Nerves
Success Academy Dsu McAllister, Noel		

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Cedar Breaks District Dental Society

Outstanding project promoting dental care or dentistry-related.

PRIZE: Certificate and Cash Prize

\$25 Runner-up, \$25 Runner-up, \$50 First

Project	Grade	Title
SR-MI-123	11	The Zone of Inhibition of Streptococcus Mutans and Streptococcus Oralis using Antibacterials
Success Academy Dsu		
Redfearn, Maycee Dawn		

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Geology Club

Outstanding research in the Earth Sciences (including environmental and climate related work).

PRIZE: Rock Hammer, Hand Lens

Project	Grade	Title
SR-EP-173 Success Academy Dsu Stender, Andrew	11	Equating When Rising Sea Levels will Affect US Cities

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Intel Excellence in Computer Science

First place winners in Computer Science category to help develop the talents and encourage increased participation in computer science, one of today's fastest growing fields and an important source of innovation for the 21st century

PRIZE: certificate & \$200 reward

Project	Grade	Title
SR-CS-159 Success Academy Dsu Walters, Bradley	11	Mitigating Effects of Database Breaches with Stronger Password Storage Strategies

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MU Alpha Theta Award

SENIOR FAIR ONLY TO NOTE: Up to two winner awarded to a project demonstrating the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a High School student.

Project	Grade	Title
SR-CS-190 Carbon High School Hansen, Luke	11	Target Sort:A New Sorting Algorithm Inspired by the Rubik's Cube

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NASA Earth System Science Award

DESCRIPTION: Awarded to student whose project offers the greatest insight into Earth's interconnected systems.

PRIZE: Certificate

Project	Grade	Title
SR-EM-199 Carbon High School Yoklavich, Tyler	10	Going Small to Clean Up Big: Increasing Efficiency of Oil Spill Cleanup. Phase II
SR-ET-232 Snow Canyon Middle School Brammer, Alexa	9	Blade Variance Effects on Wind Turbine Energy Production

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National Oceanic and Atmospheric Administration

DESCRIPTION: To recognize research that emphasizes NOAA's mission; "To understand and predict changes in climate, weather, oceans, and coasts. To share that knowledge and information with others, and to conserve and manage coastal and marine ecosystems and resources."

PRIZE: certificate, letter of congratulations & medallion

Project	Grade	Title
SR-EP-133 Success Academy Dsu Mathis, Jenecee	11	The Effect of Category Four Hurricanes and Humanitarian Aid on Fertility Rates
SR-ET-232 Snow Canyon Middle School Brammer, Alexa	9	Blade Variance Effects on Wind Turbine Energy Production

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American Meteorological Society

Should be awarded to student projects in grades 9, 10, 11, or 12 unless junior fair exhibits are more meritorious. NOTE: Up to four awards

For creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences.

Project	Grade	Title
SR-EP-133 Success Academy Dsu Mathis, Jenecee	11	The Effect of Category Four Hurricanes and Humanitarian Aid on Fertility Rates
SR-EP-173 Success Academy Dsu Stender, Andrew	11	Equating When Rising Sea Levels will Affect US Cities
SR-ET-232 Snow Canyon Middle School Brammer, Alexa	9	Blade Variance Effects on Wind Turbine Energy Production

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Ricoh Corporation

DESCRIPTION: Presented to the student(s) whose research has demonstrated the principles of Technical Innovations that offer the greatest potential for Sustainable Development

PRIZE: Certificate

Project	Grade	Title
SR-EEM-218 Carbon High School Schaugaard, Shane	9	Internal Inertial Propulsion

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Society for In Vitro

DESCRIPTION: Recognizing the most outstanding 11th grade student exhibiting in the areas of plant or animal in vitro biology or tissue culture.

PRIZE: Certificate, letter of congratulations will be sent and publicity of his/her achievement will be included in the society's newsletter on their website.

Project	Grade	Title
SR-CM-109 Success Academy Dsu Paxman, Gavin	11	The Acquired Resistance of Escherichia coli B to Ampicillin compared to T4 Bacteriophages
SR-PS-131 Success Academy Dsu Wagner, Rory	11	The effect of angles of magnetic fields on the growth rate of Thinopyrum intermedium (Wheatgrass)

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Stockholm Junior Water Prize

DESCRIPTION: Recognize the outstanding water-related research at the high school level.

PRIZE: certificate and opportunity to enter the state competition with possibility to win and advance to national and/or international competition.

Project	Grade	Title
SR-ES-110 Success Academy Dsu Abelhouzen, Avery	11	Activated Carbon Filtration for the Removal of Pesticides and Herbicides in Drinking Water
SR-ES-142 Success Academy Dsu Kay, Sydnee	11	Filtering turbidity using Balfouriana filters versus Sediment filters
SR-ES-198 Carbon High School Kister, Trista	11	Distillation and Filtration of Gas Well Produced Water
SR-ES-216 Success Academy Dsu Terry, Tyson	11	Purifying Heavy Metal Contaminated Water by way of Carbon Filters

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U.S. Metric Association

Students whose project involves quantitative measures and should use units of the SI metric system for those measures.

PRIZE: certificate

Project	Grade	Title
SR-PA-150 Success Academy Dsu Cheney, Brycen	11	The Effect of Water Absorption on Rope Friction

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Yale Science & Engineering Association

Outstanding 11th grade student exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry (though in extraordinary cases it may be awarded to a 10th or 12th grade project)

PRIZE: temporary certificate, with formal award certificate and a medallion sent to their home

Project	Grade	Title
SR-CS-190 Carbon High School Hansen, Luke	11	Target Sort:A New Sorting Algorithm Inspired by the Rubik's Cube