

## Outstanding Young Researcher

First	Last	School	Grade	Project Title	Category
Nastassja	Martin	RRHS	11	Effects of Manuka Honey on Prodigiosin Production in <i>Serratia marcesces</i> Bacteria	Medicine and Health or Microbiology
Naomi	Armstead	CHS	12	Escape the Dangers of Vape	Medicine and Health or Microbiology
Lillian	Elam				

# First Place

## *Behavioral and Social Sciences*

First	Last	School	Grade	Project Title	Category
Autumn	Bandy	RRHS	11	Down Syndrome and Positive Reinforcement	Behavioral and Social Sciences

## *Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Jacob	Braunschweiger	RRHS	11	Evidence of Epigenetics? The Effects of Heat Stress Applied to Parent Flies on Offspring Lifespan.	Biology - Botany or Zoology
Daniel	Petre				
Haven	Sierra	RRHS	11	Beans and H2O2	Biology - Botany or Zoology

## *Environmental, Earth or Space Science*

First	Last	School	Grade	Project Title	Category
Kaitlin	Curley	CHS	11	The Impact of Wildfires on Hydrology	Environmental, Earth, or Space Science
Miranda	Rivera	CHS	12	Stop Throwing Away Your Dryer Lint!	Environmental, Earth, or Space Science
Natalie	Zannino				

## First Place

### *Medicine and Health or Microbiology*

First	Last	School	Grade	Project Title	Category
Hannah	Hady	RRHS	10	Impact of Natural Antimicrobials Treatment of the Personal Human	Medicine and Health or Microbiology

### *Physics and Astronomy*

First	Last	School	Grade	Project Title	Category
Adrianna	Garcia	CHS	11	Aerodynamics: What a Drag!	Physics and Astronomy
Jaden	Schroeder				

## Second Place

### *Behavior and Social Sciences*

First	Last	School	Grade	Project Title	Category
Annika	O'Brien	RRHS	12	Society's Anxieties: Anxiety Levels in Urban vs Rural Cities	Behavioral and Social Sciences

### *Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Blair	Foster	RRHS	11	Can Wax Worms Save the World?	Biology - Botany or Zoology
Kalan	Yazzie				
Mimi	Lam	CHS	11	Can Acidity Decrease the Production of Bacteria in Herring?	Biology - Botany or Zoology
Leslie	Perez				
Faith	Lovato	RRHS	11	How the pH of Salt Water Affects the Reproduction Rates of a Crustacean	Biology - Botany or Zoology
Akira	Martinez-Crook				
Aidan	Myerscough	RRHS	11	The Effect of Acid and Basic Soils on Venus Fly Traps	Biology - Botany or Zoology
Caleb	Weir				

## Second Place

### *Chemistry or Biochemistry*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Morgan	Armstrong	CHS	11	Crushing Cookie Concepts	Chemistry or Biochemistry
Greyson	Lasley	RRHS	11	Comparing the Amount of Glucose and Ethanol Produced by Two Forms of Cellulose Through Enzymatic Hydrolysis and Alcohol Fermentation	Chemistry or Biochemistry
Khang	Phan				
Taylor	Linsday	RRHS	11	A Sea of Stars	Chemistry or Biochemistry
Thomas	McLaughlin	CHS	11	Breaking a Buffer Efficiently: Phase II	Chemistry or Biochemistry
Jonas	Myers				

### *Engineering*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Maya	Barrientos	RRHS	11	Flute Angles	Engineering

## Second Place

### *Environmental, Earth or Space Science*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Kennedy	Block	RRHS	11	Elevation in Relation to UV Radiation	Environmental, Earth, or Space Science
Emilee	Jimenez				
Jorge	Gallegos	RRHS	11	Cigarette Ash's Effect on Arsenic Concentration in Water	Environmental, Earth, or Space Science
Gabriel	Legendre	CHS	11	Biodegradable Plastic Made From Milk	Environmental, Earth, or Space Science
Joshua	Valdez				
Celia	Lucero	CHS	11	The Wonders of Algae	Environmental, Earth, or Space Science
Jadyn	Peabody-Blackwell				
Sumi	Shrestha	RRHS	10	Biofriendly Decomposition of PET Plastic	Environmental, Earth, or Space Science

## Second Place

### *Medicine and Health or Microbiology*

First	Last	School	Grade	Project Title	Category
Mikenzie	Chessman	CHS	11	Chemical vs Natural Antacids	Medicine and Health or Microbiology
Ellyn	Kurowski	CHS	11	The Effect of Light Therapy on <i>Staphylococcus epideimidis</i>	Medicine and Health or Microbiology
Brianna	Martinez	RRHS	12	Using Computational Methods to Analyze Protein	Medicine and Health or Microbiology

## Third Place

### *Behavioral and Social Sciences*

First	Last	School	Grade	Project Title	Category
Yarelis	Alvarez	RRHS	11	Consistency of Follow Throughs in Bowling	Behavioral and Social Sciences

### *Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Yuttichai	Sommala	RRHS	10	The Importance of Sterilization of Pruners	Biology - Botany or Zoology
Michael	Varangis	RRHS	12	Seed Storage Effects of Plant Growth	Biology - Botany or Zoology
Hayley	Wondra				



## Third Place

### *Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Ashley	Bradshaw	CHS	10	"pH"antastic Effects of Invertebrates on Soil	Chemistry or Biochemistry
Heidi	Crutchfield				

### *Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Gavyn	Wright	RRHS	11	Energy Efficiency for Building Materials for Housing	Energy or Transportation

### *Engineering*

First	Last	School	Grade	Project Title	Category
Jade	Gabaldon	RRHS	12	Flood Control: Dam Structures - Part 2	Engineering

## Third Place

### *Environmental, Earth or Space Science*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Kayla	Chambliss	CHS	11	Eco-friendly Spinach Paper Towels	Environmental, Earth, or Space Science
Breanna	Martin				
Rebekah	Cook	RRHS	12	Do Chemicals Inhibit Plant Growth?	Environmental, Earth, or Space Science

### *Medicine and Health or Microbiology*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Marissa	Orona	RRHS	11	Jell-O vs Mineral Oil, Petroleum Jelly, and Glycerin: Which Is the Best?	Medicine and Health or Microbiology
Kaelyn	Ramey				
Lilainea	Spurlock-Walthers	RRHS	11	The Way Produce Is Packaged: Is It Actually Beneficial?	Medicine and Health or Microbiology

## Third Place

### *Physics and Astronomy*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Gabriel	Gonzales	CHS	10	Conduct'orades	Physics and Astronomy
Madyson	Kettler	RRHS	9	Momentum of Fouette Turns	Physics and Astronomy

# Honorable Mention

## *Behavioral and Social Sciences*

First	Last	School	Grade	Project Title	Category
Hailey	Burns	RRHS	11	One Step Closer to a Cure: $X-ixy^3$	Behavioral and Social Sciences
Kaitlyn	Hanaberger	RRHS	10	The pH Levels of Bottled Water vs Popularity of Consumption	Behavioral and Social Sciences
Brooke	Wiseley				

## *Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Rosemary	Bashaw	CHS	11	Effects of UV	Biology - Botany or Zoology
Olivia	Bergstem	RRHS	9	Mold Growth in Different Enviornments	Biology - Botany or Zoology
Dylan	Brewer				
Ashlee	Searle				
Kathleen	Dekker	RRHS	11	How does age affect grapes over time?	Biology - Botany or Zoology

## Honorable Mention

### *Biology - Botany or Zoology*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Adam	Elfarisse	CHS	11	Caffeine and Its Effects on Species	Biology - Botany or Zoology
Sydney	Gomez-Donart	RRHS	9	Coffee Effects on Plant Growth	Biology - Botany or Zoology
Faith	Gresham	RRHS	12	Plant Density: How Dense Is too Dense?	Biology - Botany or Zoology
Amanda	Lopez				
Jaden	Gurrola	CHS	11	Night of the Living Ants	Biology - Botany or Zoology
Noah	Salgado				
Hailey	Hamilton-Baca	CHS	11	Are Your Children in Danger? An Extensive Look at Bacteria Growing in Wind Instruments.	Biology - Botany or Zoology
Isabella	Lux				

## Honorable Mention - Continued

### *Biology - Botany or Zoology*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Haiden	Irion	CHS	11	Scoby Scoby Doo, What Are You? Symbiotic Colony of Bacteria and Yeast	Biology - Botany or Zoology
Ariana	Romero				
Jordan	Moody	CHS	11	Sparkling Sunflowers	Biology - Botany or Zoology
Madyson	Polanco				
Camron	Pazand	CHS	11	Does Rice Have Emotion?	Biology - Botany or Zoology
Alyssa	Phillips	CHS	11	Regeneration of Planaria	Biology - Botany or Zoology
Emma	Privett	RRHS	9	Does Sprite Help Plants Grow?	Biology - Botany or Zoology

## Honorable Mention

### *Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Carley	McCartney	CHS	10	What Is the Optimal Environment for Food Preservation	Chemistry or Biochemistry
Haileigh	Grubbs	CHS	10	Over the Counter Pain Killer Solubility	Chemistry or Biochemistry
Xavier	Lujan-Flores	CHS	11	Developing an Alternative Fuse	Chemistry or Biochemistry
Douglas	Nicholson				

### *Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Adam	Rounsville	CHS	10	How to Build a Better Battery	Energy or Transportation
Andrew	Skowlund	RRHS	11	Optimal Light Conditions for <i>Chlorella vulgaris</i>	Energy or Transportation

# Honorable Mention

## *Engineering*

First	Last	School	Grade	Project Title	Category
Jonas	Engstrom	CHS	10	Exploring Lift and Drag	Engineering
Devin	Espinosa	RRHS	9	Egg Launcher	Engineering
Sebastian	Farrell				
B'yonce	Maria	RRHS	12	Giza Balloon Mapping Satallite	Engineering
Jacob	Nikolai	CHS	10	A Journey Through Magnetism	Engineering



## Honorable Mention

### *Environmental, Earth or Space Science*

First	Last	School	Grade	Project Title	Category
Alexis	Bonbrake	CHS	11	Ants on Over the Counter Drugs	Environmental, Earth, or Space Science
Exodus	Fernandez-Grine				
Julia	Chavez	RRHS	12	Oil Spills Simulation	Environmental, Earth, or Space Science
Rose	Crum				
Paige	Chelius	RRHS	9	The Effect of Plant Growth Using Different Substances	Environmental, Earth, or Space Science
Madison	Hyska				
Xela	Ciocca	CHS	11	The Efficiency of Chlorine Absorption by Activated Carbon	Environmental, Earth, or Space Science
Cody	Cragun	RRHS	9	Vegetation vs Erosion	Environmental, Earth, or Space Science
Rebecca	Pelowitz				

## Honorable Mention

### *Environmental, Earth or Space Science*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Isaiah	Griego	CHS	12	Saving Water	Environmental, Earth, or Space Science
Bethany	Hunt	RRHS	11	Finding an Alternative to Plastic Bags	Environmental, Earth, or Space Science
Marguerite	Kibodeaux	CHS	11	Fruit Juice: The "New Water" for Plants	Environmental, Earth, or Space Science
Tess	Kirkpatrick				
Samantha	Shaver	RRHS	9	Aquaponics vs Conventional Agriculture	Environmental, Earth, or Space Science
Jordyn	Wemhoner	CHS	11	Seawater to Food?	Environmental, Earth, or Space Science

# Honorable Mention

## *Mathematics and Computer Science*

First	Last	School	Grade	Project Title	Category
Gabriel	Ewsak	CHS	12	How Physical Characteristics Affect the Probability of Dice	Mathematics and Computer Science
Remson	Ramos				
Nathan	Otero	CHS	12	Shuffling Sufficiently	Mathematics and Computer Science
Jake	Lent-Koop				

# Honorable Mention

## *Medicine and Health or Microbiology*

First	Last	School	Grade	Project Title	Category
Sariah	Byrd	RRHS	9	DNA Extractions	Medicine and Health or Microbiology
Marily	Enriquez				
Mark	Campbell	CHS	11	Collagen and the Relationship Between Skin and Hydration	Medicine and Health or Microbiology
Alaina	Gallardo				
Amisha	Choudhary	CHS	11	A Mother's Milk: Can it Be Harmful to Their Baby?	Medicine and Health or Microbiology
Catie	Coleman	CHS	11	The Effects of Nicotine on Crickets	Medicine and Health or Microbiology
Abigail	Proctor				
Kimberly	Lerma	CHS	11	Rotten Clean Teeth	Medicine and Health or Microbiology
Aiden	Moreno	CHS	11	The Effects of Anti-Aging Creams on Fruit	Medicine and Health or Microbiology

## Honorable Mention

### *Medicine and Health or Microbiology*

<b>First</b>	<b>Last</b>	<b>School</b>	<b>Grade</b>	<b>Project Title</b>	<b>Category</b>
Maya	Mueller	CHS	11	What's the Best Way to Wash Your Hands?	Medicine and Health or Microbiology
Melanie	Otero	CHS	10	Fastest Working Pain Reliever	Medicine and Health or Microbiology
Jenna	Wainwright	CHS	11	Name Brand vs Generic: Which Cold Medicine Dissolves Fastest?	Medicine and Health or Microbiology
Zavier	Walker	CHS	11	The Effects of Anti-Aging Creams on Fruit	Medicine and Health or Microbiology

# Honorable Mention

## *Physics and Astronomy*

First	Last	School	Grade	Project Title	Category
Rachel-Ann	Borja	CHS	12	Solid as a Rock?	Physics and Astronomy
Amandeep	Sandhu				
Ashley	Burriel	RRHS	9	Composite vs Aluminum Softball Bats	Physics and Astronomy
Liana	Padilla	RRHS	9	Types of Liquids and Their Effects on Melting Ice	Physics and Astronomy
Matthew	Roop	RRHS	9	Fluctuations of Temperatures in Different Gas Atmospheres	Physics and Astronomy