

# Honorable Mention

## *Honorable Mention - Behavioral and Social Sciences*

First	Last	School	Grade	Project Title	Category
Jakob	Salazar	RRHS	12	The Effect of Lighter High School Schedules on Sleep Quality	Behavioral and Social Sciences
Kristin	Strosnider		12		
Madilyn	Wooten	VSCHS	11	Putting Memory to the Test	Behavioral and Social Sciences
Caleb	Jackson	RRHS	11	Testing the Rates at Which Humans Complete a Task Listening to Different Tempos of Music	Behavioral and Social Sciences
Kaitlyn	Jurgens		11		
Makenna	Muzio	VSCHS	11	The Effect of Music on Crickets	Behavioral and Social Sciences

## *Honorable Mention - Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Joseph	Gabalton	RRHS	11	Hydroponic Growing of Grass Plants Using the Element Calcium	Biology - Botany or Zoology
Jazmine	Tscherne		11		
Annika	O'Brien	RRHS	11	Can Being too Sweet Shorten a Cricket's Life?	Biology - Botany or Zoology
Julianna	Benedetto	RRHS	9	Does Talking Affect the Growth Rate of a Plant?	Biology - Botany or Zoology
Alysse	Avila	RRHS	9	Caffeinated Plants	Biology - Botany or Zoology
Emilia	Avila	VSCHS	11	Differences in Plant Growth: Isolated or Together	Biology - Botany or Zoology
Rachel	Deshler	VSCHS	11	Dobear's Law	Biology - Botany or Zoology
Dalaycia	Davison	VSCHS	11	Plant Revival	Biology - Botany or Zoology
Stephanie	Sandoval		11		
Dylan	Candelaria	VSCHS	11	Radish Seeds vs Acids and Bases	Biology - Botany or Zoology
Matthew	Schaeffer		11		
Lilliana	Campbell	VSCHS	11	Reduce, Reuse, and Recycle	Biology - Botany or Zoology
Jude	Cox	VSCHS	12	Developing a Homemade Herbicide	Biology - Botany or Zoology
Michael	Taylor		12		

## Honorable Mention

### *Honorable Mention - Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Cassandra	Campanozzi	RRHS	12	Effect of Salinity on Water Evaporation	Chemistry or Biochemistry
Andrew	Skowlund	RRHS	10	Diamagnetic Forces	Chemistry or Biochemistry
Anwi	Fomukong	RRHS	10	Enhance the Plant	Chemistry or Biochemistry
Eric	Fisher	VSCHS	11	The Inflammable Coating	Chemistry or Biochemistry
Hao	Wei		11		
Carley	McCartney	VSCHS	9	How Much Smoke Is Needed to Trigger Different Types of Smoke Detectors?	Chemistry or Biochemistry
Naomi	Armstead	VSCHS	11	Changing Water's Chemistry	Chemistry or Biochemistry
Timothy	Le	VSCHS	12	Ca(OH) <sub>2</sub> vs NaOH Titration Curve	Chemistry or Biochemistry
Molly	Ventura	VSCHS	10	Breaking Down Medications	Chemistry or Biochemistry
Hailey	Hamilton-Baca	VSCHS	10	How Much Copper Is in an Ordinary Brass Sample	Chemistry or Biochemistry
Oreoluwa	Sanya		10		
Greyson	Lasley	RRHS	10	The Effect of Different Potentia Hydrogenii of an Apple's Oxidation	Chemistry or Biochemistry
Khang	Phan		10		
Caleb	Weir		10		

### *Honorable Mention - Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Montana	Henington	RRHS	12	Innovational Wind Turbine	Energy or Transportation
Ashley	Rodriguez		12		
Clayton	Dixon	RRHS	9	Diet Rocket Fuel	Energy or Transportation
Sean	Nguyen		9		
Travis	Lorenz	VSCHS	11	The Effects of Density Altitude on Vehicle's Performance	Energy or Transportation

### *Honorable Mention - Engineering*

First	Last	School	Grade	Project Title	Category
Adam	Donaldson	RRHS	9	Trebuchet vs Catapult	Engineering
Rheta	Griffin	VSCHS	11	A Cleaner Roof	Engineering
Emily	Church	VSCHS	11	Oil Rig Clean-up Prototype	Engineering
Danielle	Baca	VSCHS	11	Recycling Rainwater Through Filtration With the Help of Solar Energy	Engineering

## Honorable Mention

### *Honorable Mention - Environmental, Earth, or Space Science*

First	Last	School	Grade	Project Title	Category
Abigail	Johnston	RRHS	12	Seed Germination at High Elevation	Environmental, Earth, or Space Science
Gabriella	Mayes		12		
Anna	Linn	VSCHS	11	Vertical Garden and Its Benefits for Society	Environmental, Earth, or Space Science
Colton	Stats		11		
Desiree	Forster	VSCHS	11	What Is the Best Temperature for Worms to Break Down Food?	Environmental, Earth, or Space Science
Eli	Meyer		11		
Riley	Haddox	VSCHS	11	Smog's Effect on the Growth of Strawberry Plants Across North American Biomes	Environmental, Earth, or Space Science
Madison	Marshall		11		
Grant	Mauk	VSCHS	12	The Amount of Heavy Metal Uptake by <i>Brassica juncea</i> From Common Sources	Environmental, Earth, or Space Science
Valerie	Langwell	VSCHS	11	Plants Protecting Plants: The Use of Plant Species as an Alternative to Pesticides	Environmental, Earth, or Space Science
Davian	Holmes	VSCHS	11	The Effects of Radiation on Worms	Environmental, Earth, or Space Science
Mary	Granstrom	VSCHS	11	The Germination Project: Into the Soil	Environmental, Earth, or Space Science
Alexxus	Bennett	VSCHS	12	An Oily Complication	Environmental, Earth, or Space Science
Brad	Jeffries	VSCHS	11	Recycled Water's Effectiveness on Car Washing	Environmental, Earth, or Space Science
Joseph	Otero		11		
Rachel-Ann	Borja	VSCHS	11	Acid Rain vs Metal	Environmental, Earth, or Space Science
Katrina	Carr		11		

### *Honorable Mention - Mathematics and Computer Science*

First	Last	School	Grade	Project Title	Category
Vanessa	Brock	VSCHS	11	A Text Mining Comparison Between Harry Potter and Shakespeare	Mathematics and Computer Science
Natalie	Zannino	VSCHS	11	The Golden Ratio: A Study of Beauty	Mathematics and Computer Science

### *Honorable Mention - Medicine and Health, Microbiology, or Gerontology*

First	Last	School	Grade	Project Title	Category
Mackenzie	Mills	RRHS	12	Comparing the Effects of Varying Concentrations of Copper (II) Chloride on Algal Growth and Bioluminescence	Medicine and Health, Microbiology, or Gerontology
Jessica	Garcia	RRHS	9	Synesthesia: Color, Shapes, and Sound	Medicine and Health, Microbiology, or Gerontology
Morgan	Mackenzie	RRHS	12	Investigating Trends That Articulate the Correlation Between Obesity/Physical Activity and Socio-Economic Factors	Medicine and Health, Microbiology, or Gerontology
Tara	Lynch	VSCHS	11	Homeopathic vs Western Medicine	Medicine and Health, Microbiology, or Gerontology
Mariah	Sanchez		11		
Corey	Madera	VSCHS	11	Different Levels of Pressure and Their Effects on Biodegradation	Medicine and Health, Microbiology, or Gerontology
Cameron	Mroz		11		

## Honorable Mention

### *Honorable Mention - Physics and Astronomy*

First	Last	School	Grade	Project Title	Category
Spencer	Allman	RRHS	9	Types of Paper in Paper Airplanes	Physics and Astronomy
Kellie	GilPatrick	RRHS	9	Inflated Balloons Without Helium	Physics and Astronomy
Angelina	LaRocco		9		
Kamirah	Decker	RRHS	12	Every Ball Can Rebound	Physics and Astronomy
Emily	Lopez		12		
Gabrielle	Auffant	RRHS	10	Magnetism vs Salt Water	Physics and Astronomy
Ashley	Vigil		10		
Ethan	Trotter	VSCHS	11	The Study of Drag and How We Can Change It Effectively for the Better	Physics and Astronomy

## Third Place

### *Third Place - Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Caitlin	Britt	RRHS	11	Hidden Household Dangers: Let's Talk Toxins	Biology - Botany or Zoology
Justus	Jaramillo	RRHS	12	Ultrasound Bacteria	Biology - Botany or Zoology
Aubrey	Losey	VSCHS	11	Pesticide Runoff's Effects on Aquatic Plants	Biology - Botany or Zoology
Jake	Lent-Koop	VSCHS	11	Effect of Sound Frequencies on the Growth of Bean Sprouts	Biology - Botany or Zoology
Ryan	Watson		11		
Angelina	Encinias	VSCHS	11	Apple Oxidation	Biology - Botany or Zoology
Kayla	Flores		11		
Desiray	Griego	VSCHS	11	Race to the Top	Biology - Botany or Zoology
Aubrey	Losey	VSCHS	11	Pesticide Runoff's Effects on Aquatic Plants	Biology - Botany or Zoology

### *Third Place - Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Allison	Sego	RRHS	9	How Does Salt Change the Boiling Point of Water and Distilled Vinegar?	Chemistry or Biochemistry
Ariana	Garza	VSCHS	11	Methods of Fingerprint Lifting: Rough and Smooth Surfaces	Chemistry or Biochemistry
Ashley	Bradshaw	VSCHS	9	Are Litmus Strips Accurate Compared to a pH Meter?	Chemistry or Biochemistry
Amisha	Choudhary	VSCHS	10	Decomposed Muffins	Chemistry or Biochemistry
Jenna	Wainwright		10		
Jordyn	Wemhoner	VSCHS	10	What Makes Fertile Soil Fertile?	Chemistry or Biochemistry

### *Third Place - Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Daniel	Davis	VSCHS	12	Sustainability of Microbial Energy Production	Energy or Transportation
Katarina	Gutierrez-Ortega		12		

# Honorable Mention

## *Third Place - Engineering*

First	Last	School	Grade	Project Title	Category
Jenavieve	Leech	RRHS	9	Robots on Away Missions	Engineering
Noah	Lopez	VSCHS	12	Rocket Stove Heater	Engineering
Ryan	Marynik		12		

## *Third Place - Environmental, Earth, or Space Science*

First	Last	School	Grade	Project Title	Category
Tessa	Holderman	RRHS	9	Eco-Friendly Ant Repellants	Environmental, Earth, or Space Science
Mariana	Palero Estrada		9		
Melissa	Pinson	RRHS	12	The Impact of Megafires on Succession	Environmental, Earth, or Space Science
Cameron	Zielinski	RRHS	12	Do Mine Spills Really Destroy the Environment? Phase III	Environmental, Earth, or Space Science
Antonio	Ortiz	VSCHS	11	An Amateur Composter vs Very Hungry Detritivores	Environmental, Earth, or Space Science
Nathan	Otero	VSCHS	11	New Mexico Plants Reducing Soil Erosion	Environmental, Earth, or Space Science
Tyler	Didier	VSCHS	12	Rocky Mountain Rain	Environmental, Earth, or Space Science
Chelsea	Watson		12		

## *Third Place - Medicine and Health, Microbiology, or Gerontology*

First	Last	School	Grade	Project Title	Category
Annika	DeBernardi	RRHS	9	Most Effective Bacterial Sanitation Method	Medicine and Health, Microbiology, or
Yuttichai	Sommala		9		

## *Third Place - Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Stuart	Smith	RRHS	9	Strength of Magnets Compared to Temperature	Physics and Astronomy
Maya	Barientos	RRHS	10	Going the Distance	Physics and Astronomy
Taylor	Lindsay		10		

# Second Place

## *Second Place - Behavioral and Social Sciences*

First	Last	School	Grade	Project Title	Category
Amaya	Valencia	VSCHS	11	Antdiction	Behavioral and Social Sciences

## *Second Place - Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Emily	Rogers	RRHS	11	What Homemade Pesticides Work Best for Plants?	Biology - Botany or Zoology
Reina	Paredes	RRHS	11	The Effect That pH Has on the Population and Reproduction of <i>Artemia salina</i>	Biology - Botany or Zoology
Madalynn	Baca	RRHS	11	Do Plants Communicate Under Stress?	Biology - Botany or Zoology
Faith	Gresham		11		
Cassandra	Harvey	RRHS	11	Sustainable, Small Greenhouse	Biology - Botany or Zoology
Kayla	Montoya	RRHS	12	Do Bean Plants Benefit From Aspirin?	Biology - Botany or Zoology
Angelina	Lopez	RRHS	12	Effects of Amino Acid on Stem Cell Growth	Biology - Botany or Zoology
Breana	Sotela		12		
Erin	Boyd	RRHS	11	Lettuce and Its Growing Conditions: Which Will the Goats Prefer?	Biology - Botany or Zoology
Isabella	Graff		11		
Alandra	Barreda	RRHS	12	Effects of Lighting Conditions on Plant Pigment	Biology - Botany or Zoology
Chloe	Fabbri		12		
Alexander	Bargerion	VSCHS	11	Mealworm Pupation Analysis	Biology - Botany or Zoology
Mary	Taylor	VSCHS	11	Plants Affected From Water	Biology - Botany or Zoology
Jorden	Lefever	VSCHS	11	Iceberg Crickets	Biology - Botany or Zoology

## Honorable Mention

### *Second Place - Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Delisa	Rodriguez	RRHS	9	How Fast Does Food Really Break Down?	Chemistry or Biochemistry
Parker	Brush	VSCHS	10	Can We Make a Better Hand Warmer?	Chemistry or Biochemistry
Xavier	Lujan-Flores		10		

### *Second Place - Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Angelina	Farello	RRHS	9	Are These Light Bulbs Worth It?	Energy or Transportation

### *Second Place - Engineering*

First	Last	School	Grade	Project Title	Category
Jade	Gabalton	RRHS	11	Flood control: Which Sandbag Construction Is Most Effective?	Engineering

### *Second Place - Environmental, Earth, or Space Science*

First	Last	School	Grade	Project Title	Category
Tel	Bostwick	VSCHS	12	Rate of Evaporation at Various Salinities	Environmental, Earth, or Space Science

### *Second Place - Physics and Astronomy*

First	Last	School	Grade	Project Title	Category
Isaiah	Griego	VSCHS	11	Maximizing Aquadynamics and Aerodynamics	Physics and Astronomy

## First Place

### *First Place - Biology - Botany or Zoology*

First	Last	School	Grade	Project Title	Category
Eliana	Roberts	VSCHS	12	Clorox: Protector or Deterrent	Biology - Botany or Zoology
Dominic	Thompson		12		

### *First Place - Chemistry or Biochemistry*

First	Last	School	Grade	Project Title	Category
Nastassja	Martin	RRHS	10	Going Natural: Study of Natural Antibiotic's Effectiveness Against <i>Serratia marcescens</i> Bacteria	Chemistry or Biochemistry
Sarah	Trujillo		11		
Marguerite	Kibodeaux	VSCHS	10	Rust Busters!	Chemistry or Biochemistry
Tess	Kirkpatrick		10		

### *First Place - Energy or Transportation*

First	Last	School	Grade	Project Title	Category
Brittany	Everett	RRHS	12	Home of the Future	Energy or Transportation
Conner	Kohen		12		
Alexander	Glick	VSCHS	12	Sticking to the Road	Energy or Transportation

### *First Place - Environmental, Earth, or Space Science*

First	Last	School	Grade	Project Title	Category
Hannah	Hady	RRHS	9	Feeding Man on Mars	Environmental, Earth, or Space Science
Loren	Troutman	VSCHS	11	Evaluating Methods for Removing Trash from Storm Water	Environmental, Earth, or Space Science
Taylor	Watters		11		

## Outstanding Young Researcher

First	Last	School	Grade	Project Title	Category
Paris	Reuel	VSCHS	12	Caffeine: The Real Killer?	Biology - Botany or Zoology
Matuke	Fomukong	RRHS	12	<i>Helios aqua</i> System Phase 4: Artificially Dropping Pressure to Maximize Volumes of Purified Water	Engineering