

Press Release



COLORADO SCIENCE & ENGINEERING FAIR



**CELEBRATING 50 YEARS
1955-2005**

2005 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division Best Individual Projects

First Place
 J. Raleigh Burt 7th grade
Dangerous Decision: The Consideration for Helmet Use at Any Speed
 Sargent Junior High School Monte Vista

Second Place
 Helen Killeen 8th grade
Solar Flux: The Ultimate DJ
 Summit Middle School Boulder

Third Place
 Alex Brown 8th grade
Can Zea Mays Leaf Emergence Be Predicted by Direction of the Seed Placement?
 Yuma Middle School Yuma

Senior Division Best Individual Projects

First Place
 Nissa Schmidt 12th grade
*The Psychopharmacological Effects of Antidepressants on *Procambarus clarkii**
 Merino Jr/Sr High School Merino

Second Place
 D J Horton 10th grade
Biological Control of a Common Corn Criminal; Phase II
 Hotchkiss High School Hotchkiss

Third Place
 Robert Glissmann 11th grade
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis
 Peak to Peak Charter School Lafayette

Junior Division Best Team Projects

First Place
 Alexandra Dostal & Rebecca Siegal 8th grade
Methane Metropolis
 West Middle School Colorado Springs

Second Place
 Dominic Fuller-Rowell & Tim Cowley 8th grade
Alternative Transportation through Magnetic Levitation and Propulsion
 Summit Middle School Boulder

Third Place
 Allie Martin & Rebekkah McCaleb 6th grade
Spuds Gone Bad
 Woodlin School Woodrow

Senior Division Best Team Projects

First Place
 Michael Polmear & Lalith Polepeddi 11th grade
Proteomics Analysis of Osteosarcoma Cells
 Cherry Creek High School Greenwood Village

Second
 Corey Kembel & David Unger 10th grade
A Study of Dispersion States in Driven Surface Waves
 Brush High School Brush

Junior Division Behavioral & Social Sciences

First Place
 Jaimie Jennings 8th grade
Head for the Hills
 North Middle School Colorado Springs

Second Place
 Karina Schorr 7th grade
Road Narrows
 Eagle County Charter Academy Edwards

Third Place
 Taylor Symons 6th grade
Do You Stop or Do You Roll?
 McKinley Elementary School Canon City

Honorable Mention
 Iftin Abshir 8th grade
The Proof Is in the Print: An Analysis of Fingerprint Patterns within Different Human Ethnicities
 Littleton Academy Littleton

Honorable Mention
 Kelsey Burns 8th grade
Less Stress - Read Best?
 Flagler Public School Flagler

Team Award Nomination
 Kurt Oleson & Michael Sadwith 6th grade
Will a Mouse Follow a Lighted Path?
 Stanley British Primary School Denver

Senior Division Behavioral & Social Sciences

First Place
 Nissa Schmidt 12th grade
*The Psychopharmacological Effects of Antidepressants on *Procambarus clarkii**
 Merino Jr/Sr High School Merino

Second Place

Samantha McDonnell 12th grade
Are Rules Generally Used in Processing and Producing Language?
 Broomfield High School Broomfield

Third Place

Erin McAuliffe 12th grade
The Effects of Emotional Words: Supraliminal vs. Subliminal
 Monte Vista High School Monte Vista

**Junior Division
 Botany**

First Place

Alex Brown 8th grade
Can Zea Mays Leaf Emergence Be Predicted by Direction of the Seed Placement?
 Yuma Middle School Yuma

Second Place

Robert McCall 7th grade
The Effect of Crop Residue on Millet Germination
 Lone Star Junior High School Otis

Third Place

Eliot Jackson 8th grade
The Relationship between the Type of H₂O Salinities and the Growth of Marine Plants
 Stanley British Primary School Denver

Honorable Mention

Jessica Spencer 7th grade
Potatoes: From Tissue Culture to Tubers
 Monte Vista Middle School Monte Vista

Honorable Mention

John William Sabin 7th grade
Can You Dig It?
 Notre Dame Catholic School Denver

Honorable Mention

Emily Houlihan 6th grade
Plants with a Tan
 Centennial Middle School Boulder

Honorable Mention

Lyndee Charles 7th grade
How Deep Is Too Deep
 Flagler Public School Flagler

Honorable Mention

Levi Zwirn 7th grade
Green Thumb Economics
 Yuma Middle School Yuma

Team Award Nomination

Allie Martin & Rebekkah McCaleb 6th grade
Spuds Gone Bad
 Woodlin School Woodrow

**Senior Division
 Botany**

First Place

Balaji Sridhar 12th grade
Oxidative DNA Damage During Symbiosis between Sinorhizobium meliloti and the Alfalfa Plant
 Cherry Creek High School Greenwood Village

Second Place

Kirk Wilkinson 9th grade
Want Vitamin C? Eat a Potato!
 Monte Vista High School Monte Vista

Third Place

Lisa Grossman 9th grade
Plants through Chromatography
 Palmer High School Colorado Springs

Honorable Mention

Holli Linman 10th grade
A Cornucopia of a Green Salad of Cover Crops: Solicam Phytoremediation
 Hotchkiss High School Hotchkiss

Honorable Mention

Ty Goodan 9th grade
The Effect of Yucca on Native Rangeland in Union County, New Mexico
 Branson School Branson

Honorable Mention

Michaela Kaiser 10th grade
Utilizing Greenhouse Techniques for Evaluation of Advanced Potato Cultivars Infected with Spongospor
 Sargent High School Monte Vista

**Junior Division
 Chemistry**

First Place

Katelyn Yowell 6th grade
Candy Chromatography
 Genoa-Hugo School Hugo

Second Place

Crystal Purcell 6th grade
Do You Know Your H₂O?
 Pagosa Springs Intermediate School Pagosa Springs

Third Place

Kaleb Kurtzer 7th grade
The Heat Is On: Floor Fires
 Merino Jr/Sr High School Merino

Honorable Mention

Trevar Hobbs 7th grade
Copper Flame Test
 Ward Middle School Ordway

Team Award Nomination

Juan Delgado & Vernon Wares 7th grade
Chalk It Up to Chemical Weathering
 Spann School Pueblo

**Senior Division
Chemistry**

First Place

Alex West 11th grade
Development of a Rapid Cellar Detection Method for 4-Ethyl Phenol in Red Wine Fermentations
 Conifer High School Conifer

Second Place

Daniel Cromer 11th grade
Cyanide Detection Using a Myoglobin Biosensor
 Cherry Creek High School Greenwood Village

Third Place

Rosie Li 10th grade
Where's the Endpoint? Using Lasers to Help Detect the End of Titration
 Palmer High School Colorado Springs

Honorable Mention

Robin Blenden 11th grade
Selecting Oils to Make Better Biodiesel
 Monte Vista High School Monte Vista

**Junior Division
Earth & Space Sciences**

First Place

Helen Killeen 8th grade
Solar Flux: The Ultimate DJ
 Summit Middle School Boulder

Second Place

Samantha Wadsworth 6th grade
The Effects of Earthquakes on Different Shaped Buildings
 Mountain Ridge Middle School Colorado Springs

Third Place

Nicholas Skahill 7th grade
Spacewalk: A Study in Space Insulation
 St. Columba Catholic School Durango

Honorable Mention

Dakotah Andreatta 8th grade
What Effects the Transition of a Static Spark?
 Exel Charter School Durango

Honorable Mention

Allyson Claybaugh 8th grade
Basis of Weather: Air Pressure and Convection
 West Jefferson Middle School Conifer

**Senior Division
Earth & Space Sciences**

First Place

Kristyn Rodzinyak 12th grade
Crater Characteristics: Water on Mars?
 Rampart High School Colorado Springs

Second Place

Farheen Rizvi 12th grade
Kinematics of Highly Ionized High-Velocity Clouds
 Boulder High School Boulder

Third Place

Jessie Chavez 11th grade
Sprouts vs. Nodes: Establishing a Correlation between Burn Severity and Sprout Density in Populus t
 Sierra Grande Jr/Sr High School Blanca

Honorable Mention

Tyler Benton 12th grade
Investigating Surface Geology of the Anton Scarp Formation
 Stratton High School Stratton

**Junior Division
Engineering**

First Place

Anand Natarajan 8th grade
Nozzle Design for a High Altitude Sounding Rocket
 Peak to Peak Charter School Lafayette

Second Place

Caitlin Mahanna 8th grade
Engineering a Roller Coaster
 Hayden Middle School Hayden

Third Place

Alexia Russell 8th grade
Heat Storage in Various Media
 Mount Garfield Middle School Clifton

Honorable Mention

Kristine Thompson 8th grade
DAGM (Diabetic Advanced Glucose Monitor) Deuce, "A Diabetic's Help Is on the Way!"
 West Jefferson Middle School Conifer

Team Award Nomination

Dominic Fuller-Rowell & Tim Cowley 8th grade
Alternative Transportation through Magnetic Levitation and Propulsion
 Summit Middle School Boulder

**Senior Division
Engineering**

First Place

Robert Glissmann 11th grade
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis
 Peak to Peak Charter School Lafayette

Second Place

Adam Sidman 11th grade
Camera Stabilization: Take 2
 Palmer High School Colorado Springs

Third Place

Chris Messick 10th grade
Point and Click, Literally
 Sargent High School Monte Vista

Honorable Mention

Nathan Thomsen 12th grade
Robotic Roving: Robotic Navigation and Obstacle Avoidance Using Sensors
 The Classical Academy Colorado Springs

**Junior Division
Environmental Sciences**

First Place

Sam Rotbart 7th grade
Modeling a Bioterrorism Attack: Factors Affecting the Distribution of Airborne Bacteria
 Rocky Mountain Hebrew Academy Denver

Second Place

Kelsey Martin 7th grade
Waste Watchers
 Woodlin School Woodrow

Third Place

Nathan Smock 7th grade
Sea Salt, Salt from the Sea, Does It Kill the Algae?
 Merino Jr/Sr High School Merino

Honorable Mention

Jacob Beu 7th grade
Gassed Out, Does Corn Fed, or Prairie Grass Fed Cow Manure Produce the Most Methane?
 Merino Jr/Sr High School Merino

Honorable Mention

Conor May 7th grade
Clean Water for Developing Countries: Biosand Filtration and UV Disinfection
 St. Columba Catholic School Durango

Honorable Mention

Gwyneth Glissmann 8th grade
A 21st Century Problem: Carbon Dioxide
 Peak to Peak Charter School Lafayette

Team Award Nomination

Bryan Gillespie, Jason Wells, & Mason Miller 8th grade
Naturally Insulated Houses
 Beulah School Beulah

Team Award Nomination

Alexandra Dostal & Rebecca Siegel 8th grade
Methane Metropolis
 West Middle School Colorado Springs

**Senior Division
Environmental Sciences**

First Place

Ananth Sridhar 11th grade
A Novel Method to Assist Regulators Determine Site-Specific WQC for Copper Using BLM and Bioassays
 Cherry Creek High School Greenwood Village

Second Place

Cody Caver 9th grade
Simple Arsenic Filtration Devise "Nails" Worlds Largest Mass Poisoning
 Woodlin School Woodrow

Third Place

Corey Swanson 12th grade
The Toxicity and Movement of Pollutants in Underground Water
 Fort Lupton High School Fort Lupton

Honorable Mention

Tessa Nelson 9th grade
Salt, Sediment and Storm Drains: Impacts to Urban Aquatic Invertebrates
 Denver School of the Arts Denver

Honorable Mention

Eric Keeling 10th grade
Freshwater, Road Salt, & Spineless Creatures
 La Veta Jr/Sr High School La Veta

**Junior Division
Mathematics & Computer Sciences**

First Place

Skylar Anderson 8th grade
Always B Sharp, Never B Flat, But Sometimes B Fractal: Composing with Fractals
 North Middle School Colorado Springs

Second Place

Mindy Perkins 6th grade
At What Speed Does an Animation Appear to Travel Backwards?
 Peak to Peak Charter School Lafayette

Honorable Mention

Brian Bales 8th grade
Does the Distance from Affect the Speed of a Local Area Network?
 Boltz Junior High School Fort Collins

Honorable Mention

Buddy Watson 6th grade
Does the 1st Takedown Win the Match?
 Trinity Lutheran School Fort Morgan

**Senior Division
Mathematics & Computer Sciences**

First Place

Sarah Moll 12th grade
The Probability of God
La Veta Jr/Sr High School La Veta

Second Place

Megan Emmons 10th grade
Analysis of Driver Strategy on Traffic Flow
Del Norte High School Del Norte

Third Place

Chris Mullins 11th grade
Using the Subset Sum to Develop Secure Encryption Algorithms
Meeker High School Meeker

**Junior Division
Medicine & Health**

First Place

Matthew Eckstein 8th grade
Got Milk? The Efficacy of Enteric Coatings.
Summit Middle School Boulder

Second Place

Sarah Oden 6th grade
How Loud Is Too Loud: Can Personal CD Players Hurt Your Hearing?
Monte Vista Middle School Monte Vista

Third Place

Aarthi Shankar 7th grade
How Does the Nutritional Content of One's Diet Affect the Tensile Properties of Human Hair?
Mountain Ridge Middle School Colorado Springs

Honorable Mention

Erika Baker 7th grade
The Tooth and Nothing But the Tooth
Merino Jr/Sr High School Merino

**Senior Division
Medicine & Health**

First Place

Amanda Parker 12th grade
Origin of HIV Wildtype Revertants Following 3TC Withdrawal
Cherry Creek High School Greenwood Village

Second Place

Brittelle Bowers 12th grade
Expression of MrC-1 by Cultured Macrophages
Woodlin School Woodrow

Third Place

Patrick Herklotz 12th grade
Tracking Dyslexia with a DNA Probe
Pine Creek High School Colorado Springs

Team Award Nomination

Michael Polmear & Lalith Polepeddi 11th grade
Proteomics Analysis of Osteosarcoma Cells
Cherry Creek High School Greenwood Village

**Junior Division
Microbiology**

First Place

Bryar DeSanti 7th grade
Is the Hiss Worse Than Their Bite? The Risk of Septicemia in a Model of a Komodo Dragon's Bite
Merino Jr/Sr High School Merino

Second Place

Madeline Camp-Drees 6th grade
Bacterial Study II: Medicine or Myth?
La Veta Elementary School La Veta

Third Place

Martha Carol 8th grade
What Sponges Accumulate Salmonella, E. coli, Coliform and Oh My!
Summit Middle School Boulder

Honorable Mention

Elizabeth Thomas 6th grade
Bacteria vs. Cleaning Methods
Miller Middle School Durango

Honorable Mention

Todd Harper 8th grade
Germ Genocide
Yuma Middle School Yuma

**Senior Division
Microbiology**

First Place

Brian Roth 12th grade
Where Tubulin Goes, It Glows
Monarch High School Louisville

Second Place

Andrew Fritzler 12th grade
Antibiotic Resistance: A Study of the Affect of Genetic Markers Used in Bioengineered Foods
Merino Jr/Sr High School Merino

Third Place

Eris Moore 12th grade
Old Traditions: New Applications Characterization of Plants as Protease Inhibitors
Woodlin School Woodrow

Honorable Mention

K J Ward 10th grade
What Lies Beneath: Bacteria in Bottled Water
Genoa-Hugo School Hugo

**Junior Division
Physics**

First Place

J. Raleigh Burt 7th grade
Dangerous Decision: The Consideration for Helmet Use at Any Speed
Sargent Junior High School Monte Vista

Second Place

Matthew Piskorz 8th grade
Why Some Violins Are More Desirable Than Others
Summit Middle School Boulder

Third Place

Zoe Wallace 8th grade
Brrr! It's Cold Out There!
Boltz Junior High School Ft. Collins

Honorable Mention

Jeffrey Carlson 6th grade
Going For a Spin with Gravity
Mountain View Core Knowledge School Canon City

Honorable Mention

Jackson Beall 8th grade
The Effects of Electricity on Water
Excel Charter School Durango

Honorable Mention

Anthony Meluso 6th grade
What Goes Up, Must Come Down! Archery Physics
North Middle School Colorado Springs

Team Award Nomination

Kaleen Masse & Elizabeth Ary 6th grade
Bouncing Balls
McKinley Elementary School Canon City

Team Award Nomination

Shelby Loflin & Paige Kelley 6th grade
How Hot Is Hot
Walsh Elementary School Walsh

**Senior Division
Physics**

First Place

Meredith MacGregor 10th grade
Raising the Rayleigh Number: Plumes and Circulation in Turbulent Thermal Convection
Fairview High School Boulder

Second Place

David Miller 11th grade
A Study of the Changes in Resistance of Super Elastic NiTi
Cherry Creek High School Greenwood Village

Third Place

Diana Qiu 10th grade
Giant Magnetoresistance
Palmer High School Colorado Springs

Honorable Mention

Linell Griffin 12th grade
The Effects of a Magnetic Field on the Viscosity of Magnetorheological Fluid
Walsh High School Walsh

Honorable Mention

Adreanne Brungardt 10th grade
The Impinging Water Droplet
Brush High School Brush

Honorable Mention

Parker King 9th grade
Arrows Skyward
Coronado High School Colorado Springs

Team Award Nomination

Corey Kembel & David Unger 10th grade
A Study of Dispersion States in Driven Surface Waves
Brush High School Brush

**Junior Division
Zoology**

First Place

Weston Charles 8th grade
Birds of a Feather, Must They Flock Together: The Effects of Socialization on Animal Growth
Flagler Public School Flagler

Second Place

McKenzie Binder 7th grade
Fight the Bite with the Larvacide That's Right
West Middle School Grand Junction

Third Place

Abigail Funk 8th grade
Keep the Ants Out of Your Pants: An Analysis of Natural Substance's Ability to Repel Ants
Littleton Academy Littleton

Honorable Mention

Erik Schnaderbeck 6th grade
Do Solar Lunar Periods Predict Fishing Success?
Sargent Junior High School Monte Vista

Honorable Mention

Ty Walter 6th grade
Are Parasites Bugging Your Cows?
Cardinal Community Academy Keenesburg

**Senior Division
Zoology**

First Place

D J Horton 10th grade
Biological Control of a Common Corn Criminal; Phase II
Hotchkiss High School Hotchkiss

Second Place

Allison McVey 9th grade
Monarch Murderer
Springfield Jr/Sr High School Springfield

Third Place

Trevor Doyle

12th grade

Genotype and Its Effects on the Phenotype of Oreohelix

Snails

Boulder High School

Boulder

2005 Colorado Science and Engineering Fair

Special Awards Press Release

Colorado Science and Engineering Fair

Alumni Award

Jeffrey Carlson 6th grade
 \$25, certificate
 Mountain View Core Knowledge School Canon City
Going For a Spin with Gravity

Jessie Chavez 11th grade
 \$25, certificate
 Sierra Grande Jr/Sr High School Blanca
Sprouts vs. Nodes: Establishing a Correlation between Burn Severity and Sprout Density in Populus t

Ralph Desch Memorial Technical Writing Award

Kristyn Rodzinyak 12th grade
 \$100, certificate
 Rampart High School Colorado Springs
Crater Characteristics: Water on Mars?

Poster Art Contest

Allison McVey 9th grade
 \$100, certificate
 Springfield Jr/Sr High School Springfield

Student Choice Award

Gwyneth Glissmann 8th grade
 \$50, certificate, trophy
 Peak to Peak Charter School Lafayette
A 21st Century Problem: Carbon Dioxide

Chris Messick 10th grade
 \$50, certificate, trophy
 Sargent High School Monte Vista
Point and Click, Literally

Tim Schneider 9th grade
 \$50, certificate, trophy
 Durango High School Durango
Robotonomous

Pioneers of Science – Abraham Maslow

Bryant Elrick 8th grade
 \$25, certificate
 Flagler Public School Flagler
aMAZEing Mice

Pioneers of Science - Albert Einstein

Bailey Younger 6th grade
 \$25, certificate
 Miller Middle School Durango
Paper Towel Testing

Pioneers of Science - Alfred Lothar Wegner

Tamara Jefferson, Tiffany Langevin & Amanda Archuleta 8th grade
 \$25, certificate
 Corwin Middle School Pueblo
Waves of Destruction: Tsunamis

Pioneers of Science - Charles Babbage

Danica Cox 6th grade
 \$25, certificate
 Swink School Swink
Catch It If You Can

Pioneers of Science - Georges LCF Cuvier

Brandy Haller 7th grade
 \$25, certificate
 Woodlin School Woodrow
Bar Flies: Alcohol Dehydrogenase in Drosophila Melanogaster

Pioneers of Science - Hippocrates

Elizabeth Burger & Nicole Burger 6th grade
 \$25, certificate
 Harrison Elementary School Canon City
Do You Know You Are Blind?

Pioneers of Science – James Buchanan Eads

Rafe Paulson 8th grade
 \$25, certificate
 Sargent Junior High School Monte Vista
Grandpa's Helper

Pioneers of Science – Jonas Edward Salk

Katie Newton 8th grade
 \$25, certificate
 Yuma Middle School Yuma
Does The Bio-Pruf Handle Really Work?

Pioneers of Science - Luther Burbank

Madison Cerny 7th grade
 \$25, certificate
 Eagle County Charter Academy Edwards
Should Plants Stay Up Late?

Pioneers of Science – Marie Curie

Noah Fischer 7th grade
 \$25, certificate
 St. Columba Catholic School Durango
The Effects of De-Icers on Car Metal

Pioneers of Science - Rachel Louise Carson

Connor Spaeth 6th grade
 \$25, certificate
 Pagosa Springs Intermediate Pagosa Springs
Litter Layer's Effect on the Hydrophobicity of Soil after a Wildfire

Military

United States Air Force

Air Force ROTC Award

Parker King 9th grade
 padfolio, electronic spell checker, certificate, medallion,
 pen/pencil set
 Coronado High School Colorado Springs
Arrows Skyward

Anand Natarajan 8th grade
padfolio, electronic spell checker, certificate, medallion,
pen/pencil set
Peak to Peak Charter School Lafayette
Nozzle Design for a High Altitude Sounding Rocket

Michael Xavier 7th grade
padfolio, electronic spell checker, certificate, medallion,
pen/pencil set
Most Precious Blood Denver
The Differences in the Performance of Certain Airfoil Designs

Cole Kembel 8th grade
padfolio, electronic spell checker, certificate, medallion,
pen/pencil set
Brush High School Brush
Will Air Slots in a Wing Help Lift?

United States Army

Nathan Thomsen 12th grade
\$50 savings bond, certificate
The Classical Academy Colorado Springs
*Robotic Roving: Robotic Navigation and Obstacle Avoidance
Using Sensors*

Erin McAuliffe 12th grade
\$50 savings bond, certificate
Monte Vista High School Monte Vista
The Effects of Emotional Words: Supraliminal vs. Subliminal

Parker King 9th grade
\$50 savings bond, certificate
Coronado High School Colorado Springs
Arrows Skyward

Krystle Albert 11th grade
\$50 savings bond, certificate
Sierra Grande Jr/Sr High School Blanca
*Dendroctonus ruffipennis: Evaluating The Standard Risk
Assessment to Track a Killer*

Forrest Friesen 10th grade
\$100 savings bond, silver medallion, certificate
Palmer High School Colorado Springs
*Existing Technology Applied to Pseudoholographic Visual
Immersion*

United States Navy & United States Marine Corps Office of Naval Research Award

Dominic Fuller-Rowell & Tim Cowley 8th grade
certificate, medallion
Summit Middle School Boulder
*Alternative Transportation through Magnetic Levitation and
Propulsion*

Conor May 7th grade
certificate, medallion
St. Columba Catholic School Durango
*Clean Water for Developing Countries: Biosand Filtration and
UV Disinfection*

Amanda Parker 12th grade
\$75 gift certificate, certificate, medallion
Cherry Creek High School Greenwood
Origin of HIV Wildtype Revertants Following 3TC Withdrawal

Nissa Schmidt 12th grade
\$75 gift certificate, certificate, medallion
Merino Jr/Sr High School Merino
*The Psychopharmacological Effects of Antidepressants on
Procambarus clarkii*

Anja Naudè 12th grade
\$75 gift certificate, certificate, medallion
Woodlin School Woodrow
Beacon Effects on DNA Capture Microarray Assays

Organizational

Agilent Technologies

Rachel Washam 6th grade
Handheld digital voltmeter
St. John the Evangelist School Loveland
*Can I Make a D Size Battery That Will Last Longer Than an
Energizer D Size Battery?*

Air and Waste Management Association Rocky Mountain States Section

Tyler Keck 11th grade
\$100, certificate
Monte Vista High School Monte Vista
*The Super Absorber: Finding the Best Polymer to Absorb Metals
Out of Water*

Anne Thaemert 12th grade
\$50, certificate
Merino Jr/Sr High School Merino
*Sarcodine Bioremediation in Streams: Phase II Determining the
Uptake of Heavy Metal Contaminants*

Gwyneth Glissmann 8th grade
\$100, certificate
Peak to Peak Charter School Lafayette
A 21st Century Problem: Carbon Dioxide

Tom McKenna 7th grade
\$50, certificate
St. John the Evangelist School Loveland
*What Is the Effect of Precipitation on the Amount of Dissolved
Oxygen and the pH Level in Two Lakes?*

American Association of University Women

Iftin Abshir 8th grade
\$100
Littleton Academy Littleton
*The Proof Is in the Print: An Analysis of Fingerprint
Patterns within Different Human Ethnicities*

American Chemical Society Colorado Local Section

Kira Hicks 7th grade
\$100, certificate
Gilpin County School Black Hawk
Hot Stuff: Measuring Heat Capacity

Anja Naudè 12th grade
\$100, certificate
Woodlin School Woodrow
Beacon Effects on DNA Capture Microarray Assays

**American Institute of Chemical Engineers
Rocky Mountain Section**

Conor May 7th grade
\$50
St. Columba Catholic School Durango
*Clean Water for Developing Countries: Biosand Filtration and
UV Disinfection*

Meredith MacGregor 10th grade
\$75
Fairview High School Boulder
*Raising the Rayleigh Number: Plumes and Circulation in
Turbulent Thermal Convection*

**American Meteorological Society
Denver/Boulder Chapter**

Kalena Umbhau 6th grade
\$50, certificate, Sky Watch West book
Miller Middle School Durango
Hydroelectricity

Meredith MacGregor 10th grade
\$50, certificate, Sky Watch West book
Fairview High School Boulder
*Raising the Rayleigh Number: Plumes and Circulation in
Turbulent Thermal Convection*

**American Vacuum Society
Rocky Mountain Chapter**

Dominic Fuller-Rowell & Tim Cowley 8th grade
\$50; \$50 to adult sponsor
Summit Middle School Boulder
*Alternative Transportation through Magnetic Levitation and
Propulsion*

Rachel Washam 6th grade
\$100, \$100 to adult sponsor
St. John the Evangelist School Loveland
*Can I Make a D Size Battery That Will Last Longer Than an
Energizer D Size Battery?*

Alicia Vandebark 10th grade
\$50, \$50 to adult sponsor
Fleming High School Fleming
The Effects of Atmospheric Pressure on Cyclones

Meredith MacGregor 10th grade
\$100, \$100 to adult sponsor
Fairview High School Boulder
*Raising the Rayleigh Number: Plumes and Circulation in
Turbulent Thermal Convection*

**American Water Works Association
Rocky Mountain Section**

Tyler Keck 11th grade
\$50 US savings bond, plaque
Monte Vista High School Monte Vista
*The Super Absorber: Finding the Best Polymer to Absorb Metals
Out of Water*

Ananth Sridhar 11th grade
\$75 US savings bond, plaque
Cherry Creek High School Greenwood
*A Novel Method to Assist Regulators Determine Site-Specific
WQC for Copper Using BLM and Bioassays*

Cody Caver 9th grade
\$100 US savings bond, plaque
Woodlin School Woodrow
*Simple Arsenic Filtration Devise "Nails" Worlds Largest Mass
Poisoning*

Analex Corporation

Megan Emmons 10th grade
\$100, certificate
Del Norte High School Del Norte
Analysis of Driver Strategy on Traffic Flow

Armbruster Associates

Erin Hubl 9th grade
\$100
Coronado High School Colorado Springs
Vertical Axis Wind Turbines

ASM International

David Miller 11th grade
\$50
Cherry Creek High School Greenwood
A Study of the Changes in Resistance of Super Elastic NiTi

Brandon Ohr 9th grade
\$75
Woodlin School Woodrow
*Tensile Strength and Charpy Impact Test Comparison of Al-SiC
Sand Cast Alloys*

**Association for Women Geoscientists
Denver Chapter**

Alex Proietti 6th grade
\$50, rock sample
Holy Family Catholic School Grand Junction
Who Cracked the Gas?

Farheen Rizvi 12th grade
\$50, rock sample
Boulder High School Boulder
Kinematics of Highly Ionized High-Velocity Clouds

Colorado Association of Science Teachers

Anand Natarajan 8th grade
\$50, certificate
Peak to Peak Charter School Lafayette
Nozzle Design for a High Altitude Sounding Rocket

Kaleb Kurtzer 7th grade
 \$50, certificate
 Merino Jr/Sr High School Merino
The Heat Is On: Floor Fires

D J Horton 10th grade
 \$50, certificate
 Hotchkiss High School Hotchkiss
Biological Control of a Common Corn Criminal; Phase II

Robert Glissmann 11th grade
 \$50, certificate
 Peak to Peak Charter School Lafayette
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis

Gerald Gromko Award

David Miller 11th grade
 \$150, plaque
 Cherry Creek High School Greenwood
A Study of the Changes in Resistance of Super Elastic NiTi

Colorado Biology Teachers' Association

Abigail Funk 8th grade
 \$75, certificate
 Littleton Academy Littleton
Keep the Ants Out of Your Pants: An Analysis of Natural Substance's Ability to Repel Ants

Balaji Sridhar 12th grade
 \$75, certificate
 Cherry Creek High School Greenwood
Oxidative DNA Damage During Symbiosis between Sinorhizobium meliloti and the Alfalfa Plant

Colorado Dental Association

Erika Baker 7th grade
 \$50, plaque
 Merino Jr/Sr High School Merino
The Tooth and Nothing But the Tooth

Andrea Buxton 11th grade
 \$50, plaque
 McClave High School McClave
GOOD: Morning Breath

Casey Wood & Kyleigh Larson 9th grade
 \$25 each team member; \$15 Wal-Mart gift card each
 Springfield Jr/Sr High School Springfield
What Bacteria Grows Following Different Sanitization Methods for Toothbrushes

Colorado Division of Wildlife

Erik Schnaderbeck 6th grade
 \$50, packet of Colorado Division of Wildlife products
 Sargent Junior High School Monte Vista
Do Solar Lunar Periods Predict Fishing Success?

Trevor Doyle 12th grade
 \$50, packet of Colorado Division of Wildlife products
 Boulder High School Boulder
Genotype and Its Effects on the Phenotype of Oreohelix Snails

Colorado Environmental Health Association

Sam Rotbart 7th grade
 \$50, certificate
 Rocky Mountain Hebrew Denver
Modeling a Bioterrorism Attack: Factors Affecting the Distribution of Airborne Bacteria

Cody Caver 9th grade
 \$100, certificate, invitation to exhibit at the CEHA Annual Educational Conference (\$350 value)
 Woodlin School Woodrow
Simple Arsenic Filtration Devise "Nails" Worlds Largest Mass Poisoning

Colorado Foundation for Agriculture

Agriculture in the Classroom Award

Alex Brown 8th grade
 \$50, certificate
 Yuma Middle School Yuma
Can Zea Mays Leaf Emergence Be Predicted by Direction of the Seed Placement?

Lyndee Charles 7th grade
 \$50, certificate
 Flagler Public School Flagler
How Deep Is Too Deep

Colton Stephenson 12th grade
 \$50, certificate
 Akron High School Akron
Advantages of Predicting Wheat Bread-Baking Functionality in Whole Kernels Using NIR Spectroscopy

Heather McGuire 12th grade
 \$50, certificate
 Woodlin School Woodrow
Utilizing GPS and HPLC/MS in Evaluating Animal Chemical Transport in the South Platte

Colorado Geological Survey & Division of Minerals and Geology

Alex Proietti 6th grade
 \$150
 Holy Family Catholic School Grand Junction
Who Cracked the Gas?

Kristyn Rodzinyak 12th grade
 \$150
 Rampart High School Colorado Springs
Crater Characteristics: Water on Mars?

Sarah Boyle 8th grade
 rock samples, geologic maps (to be sent later)
 St. Columba Catholic School Durango
Wildfires: What Happens Next?

Tyler Benton 12th grade
 rock samples, geologic maps (to be sent later)
 Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Colorado Medical Society

Kami Keeling 7th grade
\$100, invitation to winners and their parents to exhibit at the Colorado Medical Society Annual Meeting and attendance at the Presidential Inaugural Dinner with a paid overnight stay
Ward Middle School Ordway
How Theobroma Cacao Affects Blood Pressure

Nissa Schmidt 12th grade
\$100, invitation to winners and their parents to exhibit at the Colorado Medical Society Annual Meeting and attendance at the Presidential Inaugural Dinner with a paid overnight stay
Merino Jr/Sr High School Merino
The Psychopharmacological Effects of Antidepressants on Procambarus clarkii

Colorado Mineral Society

Alex Proietti 6th grade
\$25, 2 mineral specimens and a book
Holy Family Catholic School Grand Junction
Who Cracked the Gas?

Tara Gentz 8th grade
\$40, 2 mineral specimens and a book
Haxtun Junior High School Haxtun
What Are You Driving On?

Kristyn Rodzinyak 12th grade
\$25, 2 mineral specimens and a book
Rampart High School Colorado Springs
Crater Characteristics: Water on Mars?

Tyler Benton 12th grade
\$40, 2 mineral specimens and a book
Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Colorado Mycological Society

Cole Roberts 10th grade
\$50
Fleming High School Fleming
The Effects of Elevated Soil Temperatures on Mycorrhizoid Growth in Seedling Blue Spruce

Colorado Scientific Society

Gwyneth Glissmann 8th grade
\$50
Peak to Peak Charter School Lafayette
A 21st Century Problem: Carbon Dioxide

Alex Proietti 6th grade
\$75
Holy Family Catholic School Grand Junction
Who Cracked the Gas?

Tyler Benton 12th grade
\$75
Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Kristyn Rodzinyak 12th grade
\$100
Rampart High School Colorado Springs
Crater Characteristics: Water on Mars?

Colorado State University Dept. of Biochemistry & Molecular Biology

Amanda Parker 12th grade
\$100, certificate
Cherry Creek High School Greenwood
Origin of HIV Wildtype Revertants Following 3TC Withdrawal

Colorado State University Department of Chemistry

Madison Krien 7th grade
\$100, certificate
Woodlin School Woodrow
A Penny's Worth

Alex West 11th grade
\$100, certificate
Conifer High School Conifer
Development of a Rapid Cellular Detection Method for 4-Ethyl Phenol in Red Wine Fermentations

Colorado State University Dept. of Horticulture & Landscape Architecture

Allie Martin 6th grade
Rebekkah McCaleb 6th grade
\$100
Woodlin School Woodrow
Spuds Gone Bad

Kirk Wilkinson 9th grade
\$100
Monte Vista High School Monte Vista
Want Vitamin C? Eat a Potato!

Colorado Veterinary Medical Association & CVMA Auxiliary & Auxiliary to the AVMA

Weston Charles 8th grade
\$50 from CVMA, \$50 from CVMA Auxiliary, certificate, gold medallion
Flagler Public School Flagler
Birds of a Feather, Must They Flock Together: The Effects of Socialization on Animal Growth

Jace Rogers 8th grade
\$50 from CVMA, \$50 from CVMA Auxiliary, certificate, gold medallion
Yuma Middle School Yuma
Can BVD Affect a Cow Herd Even if Prevention Measures Are Taken?

Colorado-Wyoming Society of American Foresters

Danielle Burke 7th grade
\$50 savings bond
Windsor Charter Academy Windsor
To Burn, or Not to Burn, That Is the Question

Krystle Albert 11th grade
\$50 savings bond
Sierra Grande Jr/Sr High School Blanca
Dendroctonus ruffipennis: Evaluating the Standard Risk Assessment to Track a Killer

Jessie Chavez 11th grade
\$50 savings bond
Sierra Grande Jr/Sr High School Blanca
Sprouts vs. Nodes: Establishing a Correlation between Burn Severity and Sprout Density in Populus t

Eastman Kodak Company

Michael Xavier 7th grade
APS camera
Most Precious Blood Denver
The Differences in the Performance of Certain Airfoil Designs

Lisa Han 8th grade
APS camera
Summit Middle School Boulder
Sniffing Out the Danger: Benzaldehyde Kills C. elegans Eggs

Eppler Family

Kristine Thompson 8th grade
microprocessor kit and digital multimeter
West Jefferson Middle School Conifer
DAGM (Diabetic Advanced Glucose Monitor) Duece, "A Diabetic's Help Is on the Way!"

Jonathan Taing & Jack Bryan 8th grade
microprocessor kit and digital multimeter
Bookcliff Middle School Grand Junction
Solar Panel Efficiency

Fort Collins Conservation District

Sarah Boyle 8th grade
\$50, plaque
St. Columba Catholic School Durango
Wildfires: What Happens Next?

Kaitlyn Lingus 9th grade
\$50, plaque
Branson School Branson
One "Mite"y Mission: Biological Compensation Suppression Of Convolvulus arvensis Implementing Host-Specific Aceria malherbae

Intel Foundation

J. Raleigh Burt 7th grade
laptop computer (to be mailed)
Sargent Junior High School Monte Vista
Dangerous Decision: The Consideration for Helmet Use At Any Speed

Robert Glissmann 11th grade
laptop computer (to be mailed)
Peak to Peak Charter School Lafayette
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis

Lockheed Martin

Anand Natarajan 8th grade
model rocket and \$100 US savings bond
Peak to Peak Charter School Lafayette
Nozzle Design for a High Altitude Sounding Rocket

Luzenac Group

Dominic Fuller-Rowell & Tim Cowley 8th grade
\$75
Summit Middle School Boulder
Alternative Transportation through Magnetic Levitation and Propulsion

Kalena Umbhau 6th grade
\$175
Miller Middle School Durango
Hydroelectricity

Alex West 11th grade
\$75
Conifer High School Conifer
Development of a Rapid Cellar Detection Method for 4-Ethyl Phenol in Red Wine Fermentations

Tucker Dunivan 9th grade
\$175
Walsh High School Walsh
Fuel of the Future, Can Hydrogen Be It?

National Geophysical Data Center

Helen Killeen 8th grade
\$100 savings bond, certificate, plaque
Summit Middle School Boulder
Solar Flux: The Ultimate DJ

National Renewable Energy Laboratory

Robin Blenden 11th grade
\$100
Monte Vista High School Monte Vista
Selecting Oils to Make Better Biodiesel

Optical Society of America Rocky Mountain Section

Kelsea Anderson 6th grade
certificate, 1-year subscription to Discover magazine
Pagosa Springs Intermediate Pagosa Springs
Psyched for Solar Cells

Rosie Li 10th grade
certificate, 1-year subscription to Discover magazine
Palmer High School Colorado Springs
Where's the Endpoint? Using Lasers to Help Detect the End of Titration

Rocky Mountain Association of Geologists

Alex Proietti 6th grade
cash award
Holy Family Catholic School Grand Junction
Who Cracked the Gas?

Tyler Benton 12th grade
cash award
Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Kristyn Rodzinyak 12th grade
cash award
Rampart High School Colorado Springs
Crater Characteristics: Water on Mars?

Rocky Mountain Inventors Association

Ben Busby 7th grade
\$50
North Middle School Colorado Springs
The Effects of Echinacea on Tumor Cells

Chris Messick 10th grade
\$50
Sargent High School Monte Vista
Point and Click, Literally

Robert Glissmann 11th grade
\$50
Peak to Peak Charter School Lafayette
Utilizing Audio Profile Matching Technology for Replacing Body Kinesis

Outstanding Innovations Award

DJ Horton 10th grade
Certificate
Hotchkiss High School Hotchkiss
Biological Control of a Common Corn Criminal, Phase II

Rocky Mountain Water Environment Association

Ben Armstrong 7th grade
\$100 savings bond
Monte Vista Middle School Monte Vista
Antibiotic Resistance in Our Water

Conor May 7th grade
\$250 savings bond
St. Columba Catholic School Durango
Clean Water for Developing Countries: Biosand Filtration and UV Disinfection

Cody Caver 9th grade
\$100 savings bond
Woodlin School Woodrow
Simple Arsenic Filtration Devise "Nails" Worlds Largest Mass Poisoning

Ananth Sridhar 11th grade
\$250, savings bond
Cherry Creek High School Greenwood
A Novel Method to Assist Regulators Determine Site-Specific WQC for Copper Using BLM and Bioassays

Society of Manufacturing Engineers Front Range Electro-Mechanical Chapter 354

Rachel Washam 6th grade
\$200 savings bond, certificate, recognition by local chapter
St. John the Evangelist School Loveland
Can I Make a D Size Battery That Will Last Longer Than an Energizer D Size Battery?

Dominic Fuller-Rowell & Tim Cowley 8th grade
\$200 savings bond, certificate, recognition by local chapter
Summit Middle School Boulder
Alternative Transportation through Magnetic Levitation and Propulsion

Chris Messick 10th grade
\$300 savings bond, certificate, recognition by local chapter
Sargent High School Monte Vista
Point and Click, Literally

Society of Women Engineers Rocky Mountain Section

Kelsey Martin 7th grade
\$50, certificate
Woodlin School Woodrow
Waste Watchers

Kristine Thompson 8th grade
\$75, certificate
West Jefferson Middle School Conifer
DAGM (Diabetic Advanced Glucose Monitor) Deuce, "A Diabetic's Help Is on the Way!"

Meredith MacGregor 10th grade
\$50, certificate
Fairview High School Boulder
Raising the Rayleigh Number: Plumes and Circulation in Turbulent Thermal Convection

Megan Emmons 10th grade
\$75, certificate
Del Norte High School Del Norte
Analysis of Driver Strategy on Traffic Flow

Soil & Water Conservation Society Colorado Chapter

Sarah Boyle 8th grade
\$25, certificate, ribbon
St. Columba Catholic School Durango
Wildfires: What Happens Next?

Clint Hervert 7th grade
\$50, certificate, ribbon
Eagle County Charter Academy Edwards
Leftovers Are Not Just for Dinner Anymore

Cole Roberts 10th grade
\$25, certificate, ribbon
Fleming High School Fleming
The Effects of Elevated Soil Temperatures on Mycorrhizoid Growth in Seedling Blue Spruce

Kaitlyn Lingus 9th grade
 \$50, certificate, ribbon
 Branson School Branson
*One "Mite"y Mission: Biological Compensation Suppression Of
 Convolvulus arvensis Implementing Host-Specific Aceria
 malherbae*

Connor Spaeth 6th grade
 certificate
 Mackintosh Academy Littleton
*The Litter Layer's Effect on the Hydrophobicity of Soil After a
 Wildfire*

United States Department of Commerce

Mary Beth Miles 12th grade
 opportunity for summer employment with Department of
 Commerce with possibility for future continuing employment
 Monte Vista High School Monte Vista
Not Too Sweet: Lead Content in Mexican Candy

Ryan Schilt 12th grade
 alternate for summer employment with Department of
 Commerce
 Basalt High School Basalt
*A Novel Mathematical Analysis into the Constant of Gravity with
 Newtonian Mechanics*

United States Geological Survey

Alex Proietti 6th grade
 reference book, mineral specimen
 Holy Family Catholic School Grand Junction
Who Cracked The Gas?

Cody Caver 9th grade
 reference book, mineral specimen
 Woodlin School Woodrow
*Simple Arsenic Filtration Devise "Nails" Worlds Largest Mass
 Poisoning*

University of Colorado Health Sciences Center Medical Scientist Training Program

Michael Polmear & Lalith Polepeddi 11th grade
 \$50
 Cherry Creek High School Greenwood
Proteomics Analysis of Osteosarcoma Cells

Andrew Fritzler 12th grade
 \$50
 Merino Jr/Sr High School Merino
*Antibiotic Resistance: A Study of the Affect of Genetic Markers
 Used in Bioengineered Foods*

Visible Productions

Erika Baker 7th grade
 \$50
 Merino Jr/Sr High School Merino
The Tooth and Nothing But the Tooth

Patrick Herklotz 12th grade
 \$75
 Pine Creek High School Colorado Springs
Tracking Dysleixa with a DNA Probe

Yale Science and Engineering Association

Adam Sidman 11th grade
 certificate, pewter medallion (to be mailed)
 Palmer High School Colorado Springs
Camera Stabilization: Take 2

Zonta Club of Boulder County

Kaleen Masse & Elizabeth Ary 6th grade
 \$100
 McKinley Elementary School Canon City
Bouncing Balls

Scholarships

Adams State College

Adams State College Scholarships

Melanie Twiss 11th grade
 one-year resident tuition and fees
 Canon City High School Canon City
Reflexes and Sensitivity
 Ashley Apple 12th grade

one-year resident tuition and fees
 Canon City High School Canon City
*Effects of Different Fertilizers on Plants - Dieffenbachia
 maculate 'camilla'*

Rosie Li 10th grade
 one-year resident tuition and fees
 Palmer High School Colorado Springs
*Where's the Endpoint? Using Lasers to Help Detect the End of
 Titration*

Tyler Benton 12th grade
 one-year resident tuition and fees
 Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Nathan Thomsen 12th grade
 one-year resident tuition and fees
 The Classical Academy Colorado Springs
*Robotic Roving: Robotic Navigation and Obstacle Avoidance
 Using Sensors*

Heather McGuire 12th grade
 one-year resident tuition and fees
 Woodlin School Woodrow
*Utilizing GPS and HPLC/MS in Evaluating Animal Chemical
 Transport in the South Platte*

Forrest Friesen 10th grade
 one-year resident tuition and fees
 Palmer High School Colorado Springs
*Existing Technology Applied to Pseudoholographic Visual
 Immersion*

Jon Monserud 12th grade
 one-year resident tuition and fees
 Nederland Jr/Sr High Nederland
Take a Deep Breath

Eris Moore 12th grade
 one-year resident tuition and fees
 Woodlin School Woodrow
*Old Traditions: New Applications Characterization of Plants as
 Protease Inhibitors*

Linell Griffin 12th grade
 one-year resident tuition and fees
 Walsh High School Walsh
*The Effects of a Magnetic Field on the Viscosity of
 Magnetorheological Fluid*

D J Horton 10th grade
 one-year resident tuition and fees
 Hotchkiss High School Hotchkiss
Biological Control of a Common Corn Criminal; Phase II

Colorado School of Mines

Colorado School of Mines Scholarships

Tyler Benton 12th grade
 full, four-year resident tuition scholarship
 Stratton High School Stratton
Investigating Surface Geology of the Anton Scarp Formation

Adam Sidman 11th grade
 full, four-year resident tuition scholarship
 Palmer High School Colorado Springs
Camera Stabilization: Take 2

Megan Emmons 10th grade
 full, four-year resident tuition scholarship
 Del Norte High School Del Norte
Analysis of Driver Strategy on Traffic Flow

Danielle Gonzales 9th grade
 full, four-year resident tuition scholarship
 Grand Valley High School Parachute
*Water Quality of the Colorado River from Glenwood Springs to
 Parachute*

Adreanne Brungardt 10th grade
 full, four-year resident tuition scholarship
 Brush High School Brush
The Impinging Water Droplet

University of Colorado at Boulder

College of Engineering and Applied Science Scholarships

Tim Schneider 9th grade
 \$1,500 scholarship per year for four years
 Durango High School Durango
Robonomous

Robert Glissmann 11th grade
 \$2,500 scholarship per year for four years
 Peak to Peak Charter School Lafayette
*Utilizing Audio Profile Matching Technology for Replicating
 Body Kinesis*

Chris Messick 10th grade
 \$4,000 scholarship per year for four years
 Sargent High School Monte Vista
Point and Click, Literally

Intel Foundation

Ryan Patterson Scholarship

Sarah Moll 12th grade
 \$2,000 scholarship to be used at a college of student's choice
 La Veta Jr/Sr High School La Veta
The Probability of God

Lockheed Martin

CSEF Teacher of the Year Award

Penny Propst
 \$3,00 grant to be used to further their school's science fair
 program
 Merino Jr/Sr High School Merino

Science Service

American Psychological Association

Achievement in Psychological Science Award

Nissa Schmidt 12th grade
 certificate
 Merino Jr/Sr High School Merino
*The Psychopharmacological Effects of Antidepressants on
 Procambarus clarkii*

Discovery Channel, Inc.

Discovery Young Scientist Challenge

Jaimie Jennings 8th grade
 certificate, lapel pin, nomination to enter the DCYSC national
 competition
 North Middle School Colorado Springs
Head for the Hills

Alex Brown 8th grade
 certificate, lapel pin, nomination to enter the DCYSC national
 competition
 Yuma Middle School Yuma
*Can Zea Mays Leaf Emergence Be Predicted by Direction of the
 Seed Placement?*

Katelyn Yowell 6th grade
 certificate, lapel pin, nomination to enter the DCYSC national
 competition
 Genoa-Hugo School Hugo
Candy Chromatography

Helen Killeen 8th grade
 certificate, lapel pin, nomination to enter the DCYSC national
 competition
 Summit Middle School Boulder
Solar Flux: The Ultimate DJ

Anand Natarajan 8th grade
 certificate, lapel pin, nomination to enter the DCYSC national
 competition
 Peak to Peak Charter School Lafayette
Nozzle Design for a High Altitude Sounding Rocket

Sam Rotbart certificate, lapel pin, nomination to enter the DCYSC national competition Rocky Mountain Hebrew <i>Modeling a Bioterrorism Attack: Factors Affecting the Distribution of Airborne Bacteria</i>	7 th grade Denver	Caitlin Mahanna certificate, lapel pin, nomination to enter the DCYSC national competition Hayden Middle School <i>Engineering a Roller Coaster</i>	8 th grade Hayden
Skylar Anderson certificate, lapel pin, nomination to enter the DCYSC national competition North Middle School <i>Always B Sharp, Never B Flat, But Sometimes B Fractal: Composing with Fractals</i>	8 th grade Colorado Springs	Kelsey Martin certificate, lapel pin, nomination to enter the DCYSC national competition Woodlin School <i>Waste Watchers</i>	7 th grade Woodrow
Matthew Eckstein certificate, lapel pin, nomination to enter the DCYSC national competition Summit Middle School <i>Got Milk? The Efficacy of Enteric Coatings</i>	8 th grade Boulder	Mindy Perkins certificate, lapel pin, nomination to enter the DCYSC national competition Peak to Peak Charter School <i>At What Speed Does An Animation Appear to Travel Backwards?</i>	6 th grade Lafayette
Bryar DeSanti certificate, lapel pin, nomination to enter the DCYSC national competition Merino Jr/Sr High School <i>Is the Hiss Worse Than Their Bite? The Risk of Septicemia in a Model of a Komodo Dragon's Bite</i>	7 th grade Merino	Sarah Oden certificate, lapel pin, nomination to enter the DCYSC national competition Monte Vista Middle School <i>How Loud Is Too Loud: Can Personal CD Players Hurt Your Hearing?</i>	6 th grade Monte Vista
J. Raleigh Burt certificate, lapel pin, nomination to enter the DCYSC national competition Sargent Junior High School <i>Dangerous Decision: The Consideration for Helmet Use at Any Speed</i>	7 th grade Monte Vista	Madeline Camp-Drees certificate, lapel pin, nomination to enter the DCYSC national competition La Veta Elementary School <i>Bacterial Study II Medicine or Myth?</i>	6 th grade La Veta
Weston Charles certificate, lapel pin, nomination to enter the DCYSC national competition Flagler Public School <i>Birds of a Feather, Must They Flock Together: The Effects of Socialization on Animal Growth</i>	8 th grade Flagler	Matthew Piskorz certificate, lapel pin, nomination to enter the DCYSC national competition Summit Middle School <i>Why Some Violins Are More Desirable Than Others</i>	8 th grade Boulder
Karina Schorr certificate, lapel pin, nomination to enter the DCYSC national competition Eagle County Charter Academy <i>Road Narrows</i>	7 th grade Edwards	McKenzie Binder certificate, lapel pin, nomination to enter the DCYSC national competition West Middle School <i>Fight the Bite with the Larvacide That's Right</i>	7 th grade Grand Junction
Robert McCall certificate, lapel pin, nomination to enter the DCYSC national competition Lone Star Junior High <i>The Effect of Crop Residue on Millet Germination</i>	7 th grade Otis	Eastman Kodak Company	
Crystal Purcell certificate, lapel pin, nomination to enter the DCYSC national competition Pagosa Springs Intermediate <i>Do You Know Your H₂O?</i>	6 th grade Pagosa Springs	Leslie Dias & Tracey Fischer Kodak Digital 35mm One Time Use Camera for student & adult sponsor, certificate Centaurus High School <i>Biomedical Applications of Shape Memory Polymers (SMP)</i>	11 th grade Lafayette
Samantha Wadsworth certificate, lapel pin, nomination to enter the DCYSC national competition Mountain Ridge Middle School <i>The Effects on Earthquakes on Different Shaped Buildings</i>	6 th grade Colorado Springs	Herbert Hoover Presidential Library Association <i>Herbert Hoover Young Engineer Award</i>	
		Robert Glissmann medallion, certificate Peak to Peak Charter School <i>Utilizing Audio Profile Matching Technology for Replicating Body Kinesis</i>	11 th grade Lafayette

Intel Corporation

Intel Excellence in Computer Science Award

Sarah Moll 12th grade
\$200, certificate
La Veta Jr/Sr High School La Veta
The Probability of God

International Society for Optical Engineering

Forrest Friesen 10th grade
Certificate, entry into a cash award drawing
Palmer High School Colorado Springs
Existing Technology Applied to Pseudoholographic Visual Immersion

National High School & Two-Year College

Mathematics Honor Society

Mu Alpha Theta Award

Chris Mullins 11th grade
certificate
Meeker High School Meeker
Using the Subset Sum to Develop Secure Encryption Algorithms

National Society of Professional Engineers

Innovative Engineering Award

Robert Glissmann 11th grade
certificate, lapel pin, supporting materials
Peak to Peak Charter School Lafayette
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis

Ricoh Americas Corporation

Ricoh Sustainable Development Award

Robin Blenden 11th grade
certificate, one-year subscription to Science News, entry into a drawing for a Ricoh digital camera
Monte Vista High School Monte Vista
Selecting Oils to Make Better Biodiesel

Scientific American

Nissa Schmidt 12th grade
one-year subscription to Scientific American, certificate
Merino Jr/Sr High School Merino
*The Psychopharmacological Effects of Antidepressants on *Procambarus clarkii**

D J Horton 10th grade
one-year subscription to Scientific American, certificate
Hotchkiss High School Hotchkiss
Biological Control of a Common Corn Criminal; Phase II

Robert Glissmann 11th grade
one-year subscription to Scientific American, certificate
Peak to Peak Charter School Lafayette
Utilizing Audio Profile Matching Technology for Replicating Body Kinesis

Michael Polmear & Lalith Polepeddi 11th grade
one-year subscription to Scientific American, certificate
Cherry Creek High School Greenwood
Proteomics Analysis of Osteosarcoma Cells

Society for In Vitro Biology

Outstanding Achievement for Ability and Creativity in In Vitro Biology Award

Michael Polmear & Lalith Polepeddi 11th grade
certificate, publication of project in SIVB newsletter or web site
Cherry Creek High School Greenwood
Proteomics Analysis of Osteosarcoma Cells

United States Metric Association

Best Use of the International System of Units Award

Madison Cerny 7th grade
Certificate
Eagle County Charter Academy Edwards
Should Plants Stay Up Late?

United States Public Health Service

Patrick Herklotz 12th grade
certificate
Pine Creek High School Colorado Springs
Tracking Dyslexia with a DNA Probe

Water Environment Federation

Stockholm Junior Water Prize

Ananth Sridhar 11th grade
certificate, nomination to enter the Stockholm Junior Water Prize national competition
Cherry Creek High School Greenwood
A Novel Method to Assist Regulators Determine Site-Specific WQC for Copper Using BLM And Bioassays