

Press Release

Colorado Science and Engineering Fair
For Colorado Students in Grades 6 - 12
Hosted by the Center for Science, Mathematics & Technology Education

Boya Liu
Fairview High School

April 5 - 7, 2007
in the Lory Student Center
at Colorado State University
Fort Collins, Colorado

2007 Colorado Science and Engineering Fair

Special Awards Press Release

Junior Division Best Individual Projects

First Place

Erik Schnaderbeck 8th grade
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries
 Sargent Jr/Sr High School Monte Vista

Second Place

Ambrose Soehn 8th grade
Natural vs. Synthetic: Polymers in Today's World
 Summit Middle School Boulder

Third Place

Alexandria Farnsworth 7th grade
Stop! Type 2 Diabetes in Adolescents
 Paonia Jr/Sr High School Paonia

Senior Division Best Individual Projects

First Place

Chelsea Oden 11th grade
A Wrinkle in Prime: An Investigation of Prime Properties in a Four-Dimensional Sieve of Eratosthenes
 Monte Vista High School Monte Vista

Second Place

Atticus Bergman 11th grade
That Flocking Convection
 Fairview High School Boulder

Third Place

Daniel Smith 11th grade
Reading Fingers: A System for Automatic Guitar Composition
 Herzl Rocky Mountain Hebrew Academy Denver

Junior Division Best Team Projects

First Place

Jonathan Bentley & Michelle Saipe 8th grade
Cancer Myths: Are They True? (A Study of the Effects of Vitamins & Chemicals on HeLa Cell Growth)
 Stanley British Primary School Denver

Second Place

Aiden Acquisto & Jaimie Smith 6th grade
Reaction with Distraction
 Stanley British Primary School Denver

Third Place

Alex Kerr & Rex Berg 8th grade
Look Me in the Eyes
 Calhan Middle School Calhan

Honorable Mention

Ashlan Hren & Arianna Vierczhalek 8th grade
What about the Brakes?!!
 Lake County Middle School Leadville

Honorable Mention

Hanna Pelican & Forre Zook 8th grade
Not So N'ice
 North Middle School Colorado Springs

Senior Division Best Team Projects

First Place

Bailey Lepppek & Derek Kramer 11th grade
Ethanol Synthesis from Different Biodegradable Household Waste Products
 Cherry Creek High School Greenwood Village

Second Place

Andrew Flynn & Wil Cocke 11th grade
Determining the Point of Entropy: Building a Lorenzian Waterwheel
 Palmer High School Colorado Springs

Third Place

Laramie Ulam & Brentley Bodycomb 12th grade
Optimum Growth of Artemia Salina
 Canon City High School Canon City

Junior Division Animal Sciences

First Place

Erik Schnaderbeck 8th grade
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries
 Sargent Jr/Sr High School Monte Vista

Second Place

Nakayla Lestina 7th grade
Biological Control of Canada Thistle - Analyzing Three Natural Insect Enemies
 Dove Creek Middle School Dove Creek

Third Place

Callie Varra 8th grade
What Grade Is Your Egg?
 Fruita 8/9 School Fruita

Honorable Mention

Randi Timmons 6th grade
Something's Fishy
 Walsh Jr/Sr High School Walsh

Honorable Mention

Joshua Woodring 7th grade
The Mutant That Would Not Disappear
 The Classical Academy Colorado Springs

**Senior Division
 Animal Sciences**

First Place

DJ Horton 12th grade
Biological Control of a Common Corn Criminal: Phase 4
 Hotchkiss High School Hotchkiss

Second Place

Caleb Kruse 9th grade
*C The Difference: The Effect of Ascorbic Acid on
 Fragmented Coral*
 Home School Colorado Springs

Third Place

Katlin Hornig 10th grade
The Equine Emotional and Physical Behavior Connection
 Sargent Jr/Sr High School Monte Vista

Honorable Mention

Weston Charles 10th grade
Fowl Company
 Arriba-Flagler School Flagler

Team Nomination

Laramie Ulam & Brentley Bodycomb 12th grade
Optimum Growth of Artemia Salina
 Canon City High School Canon City

**Junior Division
 Behavioral & Social Sciences**

First Place

Diane Schulze 7th grade
Human Embarrassment
 Cherry Creek Challenge School Denver

Second Place

Reno Tsosie 8th grade
Cultural Relevance in the Navajo Context
 Cortez Middle School Cortez

Third Place

Joshua Garcia 8th grade
Brain Age: How Old Is Your Brain?
 Monte Vista Middle School Monte Vista

Honorable Mention

Jason Francis 7th grade
Does the Type of Music Affect Your Heart Rate?
 Lamar Middle School Lamar

Honorable Mention

Zoe Phillip 8th grade
Did You See That
 Limon Middle School Limon

Honorable Mention

Katie Savolt 7th grade
Walking to a Beat
 Yuma Middle School Yuma

Team Nomination

Aiden Acquisto & Jaimie Smith 6th grade
Reaction with Distraction
 Stanley British Primary School Denver

Team Nomination

Alex Kerr & Rex Berg 8th grade
Look Me in the Eyes
 Calhan Middle School Calhan

**Senior Division
 Behavioral & Social Sciences**

First Place

Rachel Wynn 11th grade
Social Cognition and Working Memory
 Coronado High School Colorado Springs

Second Place

Kevin Howard 12th grade
Chord Processing and the Critical Band
 Boulder High School Boulder

Third Place

Julia Leonard 11th grade
*From Plague to Bird Flu: The Media's Influence in Mass
 Hysteria*
 Palmer High School Colorado Springs

Honorable Mention

Heather Anderson 10th grade
Can Spiders Party?
 Peyton High School Peyton

Honorable Mention

Dustin Brady 11th grade
Beats of the Brain
 Wray High School Wray

Team Nomination

Rebecca Siegel & Zoe Dostal 10th grade
*Thinking without Thinking: A Study of Subconscious
 Biases Towards the Middle East*
 Palmer High School Colorado Springs

**Junior Division
Chemistry**

First Place

Ambrose Soehn 8th grade
Natural vs. Synthetic: Polymers in Today's World
Summit Middle School Boulder

Second Place

Jordan Lestina 8th grade
*L-Ascorbic Acid Analyzing Foods by Titration Phase 2,
Quantifying the Effects of Heat & Cold on Vitamin C*
Dove Creek Middle School Dove Creek

Third Place

Travis Zuniga 8th grade
*How Bright Is Your Smile? (The Effects of Toothpaste on
Stains)*
Roncalli Middle School Pueblo

Honorable Mention

Thayer Sauter 6th grade
Rust
Wiggins Elementary School Wiggins

Honorable Mention

Austin Traphagan 8th grade
Smile--It's About Time
Yuma Middle School Yuma

Honorable Mention

Anthony Azari 7th grade
Go Bananas
Brentwood Middle School Greeley

Honorable Mention

Tessa Kester 7th grade
Why Did My Hair Turn Green?
West Middle School Grand Junction

**Senior Division
Chemistry**

First Place

David Wu 10th grade
Analyzing Hydrogen Storage in a Mg-Al-Zn Alloy
Cherry Creek High School Greenwood Village

Second Place

Kyle Mordan 10th grade
*Safety of Mixing Chemical Wastes with Concrete as a
Waste Disposal Technique*
Cherry Creek High School Greenwood Village

Third Place

Sarah Cummings 10th grade
Leaching of Metals from Cookware by Acidic Solutions
Brush High School Brush

Honorable Mention

Tim Schneider 11th grade
Photonics
Durango High School Durango

**Junior Division
Earth & Space Sciences**

First Place

Colin Mummery 7th grade
Ascent from the Deep
St. Columba School Durango

Second Place

Tawney Bleak 8th grade
S.O.S. Save Our Soil
Otis Jr/Sr High School Otis

Third Place

Alison Seedorf 8th grade
Soybean Growth
Yuma Middle School Yuma

Honorable Mention

Lauren Adlhoch 7th grade
*Can I Measure the Height of the Moon's Mountains and
the Depths of Its Craters?*
St. John the Evangelist School Loveland

**Senior Division
Earth & Space Sciences**

First Place

Gwyneth Glissmann 10th grade
*Mitigating Global Warming by Utilizing Albedo
Geoengineering*
Peak to Peak Charter School Lafayette

Second Place

Stephen Wilfong 12th grade
*Return of the Deadly Snow: A Study of Avalanche Risk
Based on Layers and Types of Snow*
Moffat High School Moffat

Third Place

Darci Dobson 12th grade
*Looking for Patterns of Deuterium in the Local Galactic
Disk*
Monte Vista High School Monte Vista

**Energy & Transportation
Junior Division**

First Place

Alex Nickell 7th grade
*Can a Shroud Increase the Electrical Output of a Wind
Turbine?*
St. John the Evangelist School Loveland

Second Place
Natashia Barker 8th grade
Burn or Not to Burn: That Is the Question
Haxtun Middle School Haxtun

Third Place
Brian Heckman 8th grade
Solar Effects
Kinard Core Knowledge School Fort Collins

Honorable Mention
Marina Yamasaki 8th grade
How Efficient Are Your Light Bulbs?
Summit Middle School Boulder

**Senior Division
Energy & Transportation**

First Place
Amanda Rock 12th grade
Biofuels: Oily Alternatives?
Wray High School Wray

Second Place
Mandi Loucks 12th grade
Should Hybrids Fly?
Grand Junction High School Grand Junction

Third Place
Christy Farnsworth 9th grade
Hydrogen a New Twist
Paonia Jr/Sr High School Paonia

Team Nomination
Bailey Leppek & Derek Kramer 11th grade
*Ethanol Synthesis from Different Biodegradable
Household Waste Products*
Cherry Creek High School Greenwood Village

**Junior Division
Engineering**

First Place
Nathan Weeks 7th grade
Sound Barrier Designs
The Classical Academy Colorado Springs

Second Place
Charles Bergren 7th grade
AM Loop Antenna Design
Southern Hills Middle School Boulder

Third Place
Morgan Wilson 7th grade
Warming Formula with Formulas
Sargent Jr/Sr High School Monte Vista

Honorable Mention
Addison Kramer 8th grade
Ecologically Friendly Roofing
Cherry Creek Challenge School Denver

Honorable Mention
Graham Robinson 8th grade
Keeping Planes from Crashing!
Cortez Middle School Cortez

**Senior Division
Engineering**

First Place
Daniel Smith 11th grade
*Reading Fingers: A System for Automatic Guitar
Composition*
Herzl Rocky Mountain Hebrew Academy Denver

Second Place
Cameron Kruse 11th grade
*The Dirt on Baseball: Standardizing the Baseball Mudding
Process*
Home School Colorado Springs

Third Place
Ian Donaldson 10th grade
*Dynamic Axial Deformation Trends of High-Strength
Metal Tube Core Automotive Crush Zones*
Broomfield High School Broomfield

Honorable Mention
Maxwell Wheeler 12th grade
*A New Frequency for Help! Exploring Propagation
Characteristics of the 500 kHz Frequency*
Nederland Jr/Sr High School Nederland

Honorable Mention
Daniel Armstrong 12th grade
Designing a Digital Hearing Aid Program
Monte Vista High School Monte Vista

**Junior Division
Environmental Sciences**

First Place
Alexandra Proietti 8th grade
Fuel of the Future, Toasty with Tamarisk
Holy Family Catholic School Grand Junction

Second Place
Lorne Muir II 7th grade
Hydrophobic Soil Rehabilitation
The Classical Academy Colorado Springs

Third Place
Corey Becker 8th grade
Get'n Down 'n' Dirty
Monte Vista Middle School Monte Vista

Honorable Mention
Rachel Beverlin 7th grade
Geyser Spring: Characteristics of Colorado's Only Geyser
Dolores Middle School Dolores

Honorable Mention

Vincent Burkhardt 7th grade
Do Car Associated Chemicals Affect Daphnia Mortality?
 Stanley British Primary School Denver

Honorable Mention

Hannah Carrese 8th grade
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant
 North Middle School Colorado Springs

Honorable Mention

Brooke Grissom 8th grade
Soil Erosion: A Growing Problem
 Fowler Junior High School Fowler

**Senior Division
 Environmental Sciences**

First Place

Eric Keeling 12th grade
A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water
 La Veta Jr/Sr High School La Veta

Second Place

Alex Schnaderbeck 11th grade
Shape Up: The Relationship Between Trout Habitat and Differently Shaped Rocks.
 Sargent Jr/Sr High School Monte Vista

Third Place

John Huffman 12th grade
Response of Euglena gracilis to Magnesium Chloride Exposure
 Eagle Valley High School Gypsum

Honorable Mention

Christopher Krause 9th grade
Operation: Dig It!
 The Classical Academy Colorado Springs

Honorable Mention

Evan Duggan 12th grade
Removal of Targeted Organic Compounds from Municipal Waste Water
 Cherry Creek High School Greenwood Village

**Junior Division
 Mathematics & Computer Sciences**

First Place

Garrett Glissmann 7th grade
Identifying Minutiae within a Fingerprint
 Peak to Peak Charter School Lafayette

Second Place

Rahul Shankar 7th grade
A Software Tool to Calculate Alignment of Nucleotide Sequences to Classify the Cryptoprocta Ferox
 Mountain Ridge Middle School Colorado Springs

Third Place

Jack Donelson 8th grade
Predicting Success in Basketball by Statistical Analysis
 Mackintosh Academy Littleton

Honorable Mention

Austin Cerny 8th grade
Slow Computer Got You Down?
 Eagle County Charter Academy Edwards

**Senior Division
 Mathematics & Computer Sciences**

First Place

Chelsea Oden 11th grade
A Wrinkle in Prime: An Investigation of Prime Properties in a Four-Dimensional Sieve of Eratosthenes
 Monte Vista High School Monte Vista

Second Place

Tommaso Buvoli 12th grade
Machine Learning and Data Classification
 Fairview High School Boulder

Third Place

Ian Springer 12th grade
Inside the Matrix: Solving Sudoku Puzzles Using Visual Basic
 Lamar High School Lamar

Team Nomination

Andrew Flynn & Wil Cocke 11th grade
Determining the Point Of Entropy: Building a Lorenzian Waterwheel
 Palmer High School Colorado Springs

**Junior Division
 Medicine & Health**

First Place

Alexandria Farnsworth 7th grade
Stop! Type 2 Diabetes in Adolescents
 Paonia Jr/Sr High School Paonia

Second Place

Russell Tappy 7th grade
Performance Enhancers, Are They in You? The Effect of Performance Enhancers on G. portentosa
 Merino Jr/Sr High School Merino

Third Place

Soren Frykholm 8th grade
The Nose Knows: A Better Way to Breathe?
 Summit Middle School Boulder

Honorable Mention

Casey Campbell 6th grade
Reaction Action
 La Veta Elementary School La Veta

Honorable Mention

Susannah Rogers 8th grade
It's All My Brother's Fault: The Effects of Chloroquine on Melanin and Melanoma
 North Middle School Colorado Springs

Honorable Mention

Tanner Zimmerman 6th grade
Mercy MRSA
 Riverside Middle School New Castle

Honorable Mention

Zack Clemmons 7th grade
 24
 The Classical Academy Colorado Springs

Honorable Mention

Holly Isbell 7th grade
To Be Healthy or Not to Be, That Is the Question: The Effect of Omega-3 and Omega-6 on C. elegans
 Merino Jr/Sr High School Merino

Honorable Mention

John Gordon 6th grade
Arches, Loops, and Whorls
 American Academy Lone Tree

Team Nomination

Jonathan Bentley & Michelle Saipe 8th grade
Cancer Myths: Are They True? (A Study of the Effects of Vitamins & Chemicals on HeLa Cell Growth)
 Stanley British Primary School Denver

**Senior Division
 Medicine & Health**

First Place

Ashley Pollock 12th grade
Tissue Distribution and Mitochondrial Function of the Parkinson's Disease Related Protein DJ-1
 Wiggins Jr/Sr High School Wiggins

Second Place

Nicholas Greos 12th grade
Evaluation of Concussions in Teen Sports
 Cherry Creek High School Greenwood Village

Third Place

Young Kim 11th grade
Chlorophyll as a Sunscreening Agent
 Cherry Creek High School Greenwood Village

Honorable Mention

Jenna Gerber 12th grade
Diffusion and Osmosis
 Walsh Jr/Sr High School Walsh

**Junior Division
 Microbiology**

First Place

Ashleigh West 8th grade
The Use of UV Light to Sterilize Leafy Vegetables as a Means of Improving Food Safety
 West Jefferson Middle School Conifer

Second Place

Sara Volz 6th grade
What Common Substances Best Kill Bacteria on the Skin?
 North Middle School Colorado Springs

Third Place

Tucker Carver 7th grade
Bad to the Bowl! How Clean Is Your Drinking Water?
 Merino Jr/Sr High School Merino

Honorable Mention

Stephen O'Connor-Seville 7th grade
Ethanol from Dead Wood
 Dolores Middle School Dolores

Team Nomination

Hanna Pelican & Forre Zook 8th grade
Not So N'ice
 North Middle School Colorado Springs

**Senior Division
 Microbiology**

First Place

Daniel Joos 10th grade
The Effects of Essential Oils on Microsporum Canus Distortum
 Fleming High School Fleming

Second Place

Lindsey Rugh 10th grade
Fire on the Mountain Phase II
 Hotchkiss High School Hotchkiss

Third Place

Anika Petach 10th grade
Tracking and Preventing the Ophiostoma Fungus of the Mountain Pine Bark Beetle
 Fairview High School Boulder

Honorable Mention

Sarah Boyle 10th grade
The Effects of L-glutathione and Ampicillin on the Gram-Negative Bacteria: Escherichia coli
 Durango High School Durango

Honorable Mention

Leslie Hase 12th grade
A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health
 Merino Jr/Sr High School Merino

**Junior Division
 Physics**

First Place

Kerry Betz 8th grade
Something's Decaying in My Basement
 Summit Middle School Boulder

Second Place

Rachel Washam 8th grade
Hardened without Heat
 St. John the Evangelist School Loveland

Third Place

Emily Sandner 6th grade
Oil; Fact or Friction - Synthetic vs Petroleum
 St. Columba School Durango

Honorable Mention

Savannah Lyle 6th grade
On a Roll
 North Middle School Colorado Springs

Honorable Mention

Layne Barrett 7th grade
Bounce Your Way Down the Fairway
 The Classical Academy Colorado Springs

Team Nomination

Ashlan Hren & Arianna Vierczhalek 8th grade
What About the Brakes?!!
 Lake County Middle School Leadville

**Senior Division
 Physics**

First Place

Atticus Bergman 11th grade
That Flocking Convection
 Fairview High School Boulder

Second Place

Vicky Li 11th grade
Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms
 Fairview High School Boulder

Third Place

Matt Wenger 12th grade
Brillouin Light Scattering
 Doherty High School Colorado Springs

Honorable Mention

Shelby Messer 9th grade
High Voltage
 Genoa-Hugo School Hugo

Honorable Mention

Julia Buzan 11th grade
Quantifying the Quality of Violins
 Cherry Creek High School Greenwood Village

**Junior Division
 Plant Sciences**

First Place

Andrew Theobald 8th grade
Windy Gardens
 North Middle School Colorado Springs

Second Place

Justin Lewton 7th grade
The Green Thumb Problem
 Weld Central Junior High School Keenesburg

Third Place

Amber Vesely 8th grade
How Does Your Garden Grow?
 Boltz Junior High School Fort Collins

Honorable Mention

Cade Daugherty 8th grade
Biological Control of Locoweed
 Branson School Branson

Honorable Mention

Danielle Rinaldo 7th grade
Lotus Flower Has the Power! The Effect of Nulumbo nucife on Fog Formation
 Merino Jr/Sr High School Merino

Honorable Mention

Billy Carruth 6th grade
How Magnetism Effects Plant Growth
 Washington Intermediate School Walsenburg

Honorable Mention

Hannah Ekblad 8th grade
The Effect of Recycled Newspaper on Pea Germination in a Heavy Clay Soil
 Blevins Junior High School Fort Collins

Honorable Mention

K C Zinn 7th grade
Counting on Canela
 Sargent Jr/Sr High School Monte Vista

Honorable Mention

Anna Rooney 8th grade
How Sweet Is Your Potato?
 Sargent Jr/Sr High School Monte Vista

**Senior Division
Plant Sciences**

First Place

Kaitlyn Lingus 11th grade
*One "Mite"y Mission: Biological Compensation
Suppression of Convolvulus arvensis Implementing Host-
Specific Aceria malherbae. . . Phase III*
Branson School Branson

Second Place

Michaela Kaiser 12th grade
*Peace of Mind Potential for Current Season Spread in
Colorado's Post Harvest Test*
Sargent Jr/Sr High School Monte Vista

Third Place

Erin Neumann 12th grade
*Water on Demand: The Effects of Soil Additives on Plant
Growth and Germination*
Wray High School Wray

Honorable Mention

Gabriel Sachter-Smith 12th grade
*Hybridization of Edible Diploid Eumusa Varieties and
Wild Rhodochlamys Musa Species*
Nederland Jr/Sr High School Nederland

2007 Colorado Science and Engineering Fair Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

John Huffman 12th grade
certificate, \$100
Eagle Valley High School Gypsum
Response of Euglena gracilis to Magnesium Chloride Exposure

Poster Art Contest

Marlee Canada 8th grade
certificate, trophy, \$100
Home Schooled Mosca

Student Choice Award

Abbi Helfer 7th grade
certificate, trophy, \$100
North Middle School Colorado Springs
Pan-Demonium

Leslie Hase 12th grade
certificate, trophy, \$100
Merino Jr/Sr High School Merino
A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health

Pioneers of Science - George L. C. Cuvier

Avery DiUbaldo 8th grade
certificate, \$30
Cherry Creek Challenge School Denver
Studies of the Pheromonal Capabilities of the Western Harvester Ant

Pioneers of Science - Abraham Maslow

Majed Aldhamari 8th grade
certificate, \$30
Blevins Junior High School Fort Collins
Chromatic Adaptation

Pioneers of Science - Margaret Mead

Cody Hervert 8th grade
certificate, \$30
Eagle County Charter Academy Edwards
Intoxicated - Intechnicated "What's the Difference"

Pioneers of Science - Alfred Bernhard Nobel

Katie Romano 6th grade
certificate, \$30
Harrison Middle School Canon City
The Day After . . . A Day at the Beach

Pioneers of Science - Marie Curie

Jorge Arredondo 8th grade
certificate, \$30
Cheyenne Wells Middle School Cheyenne Wells
Chlorinated Water vs. Carbon Filters

Pioneers of Science - Alfred Lothar Wegner

Dylan Cleveland 6th grade
certificate, \$30
Canon City Middle School Canon City
Does the Earth Move Under Your Feet?

Pioneers of Science - James Prescott Joule

Taylor Bond 6th grade
certificate, \$30
St. Peter's Lutheran School Monte Vista
Get Your Head Out of the Cloud Point

Pioneers of Science - Sir William Grove

Isaiah Branch-Boyle 8th grade
certificate, \$30
St. Columba School Durango
Journey to a Hydrogen Future

Pioneers of Science - James Buchanan Eads

Jana Elrick 7th grade
certificate, \$30
Flagler Public School Flagler
Whether it Weathers

Pioneers of Science - Nicola Tesla

Noah Jordan 6th grade
certificate, \$30
Windsor Charter Academy Windsor
A Sticky Situation

Pioneers of Science - Rachel Louise Carson

Alyssa Loveland 7th grade
certificate, \$30
Lamar Middle School Lamar
Did Lamar Receive Any Acid Snow?

Pioneers of Science - Charles Babbage

Joshua Shettler 8th grade
certificate, \$30
Holy Family Catholic School Grand Junction
Mathematical Algorithms and the Physics of a Roller Coaster

Pioneers of Science - Albert Schweitzer

Laci Pennington 7th grade
certificate, \$30
Lamar Middle School Lamar
Does Heat Affect Your Hair Strength?

Pioneers of Science - Hippocrates

Kally Williams 6th grade
certificate, \$30
Cortez Middle School Cortez
How Do Different Beverages Effect Human Teeth?

Pioneers of Science - Jonas Edward Salk

Brenna Christensen 6th grade
certificate, \$30
Miller Middle School Durango
Jammin' Germs

Pioneers of Science - Albert Einstein

Phillip Foy 8th grade
certificate, \$30
Otis Jr/Sr High School Otis
Amazing Ice

Pioneers of Science - Sir Isaac Newton

Sami Hourieh 6th grade
certificate, \$30
Parkview Elementary School Lamar
Electromagnets and Iron Bolts

Pioneers of Science - Luther Burbank

Alexa Major 7th grade
certificate, \$30
Fowler Junior High School Fowler
Good Salt, Bad Salt - Which Is Which?

Military

United States Air Force
Air Force ROTC Award

Graham Robinson 8th grade
certificate, padfolio organizer, USB flash drive, PDA, pen &
pencil set
Cortez Middle School Cortez
Keeping Planes from Crashing!

Dillon Rose 7th grade
certificate, padfolio organizer, USB flash drive, PDA, pen &
pencil set
Springfield Jr/Sr High School Springfield
Go Fly a Brick

Mandi Loucks 12th grade
certificate, padfolio organizer, USB flash drive, PDA, pen &
pencil set
Grand Junction High School Grand Junction
Should Hybrids Fly?

Cole Bostrom 11th grade
certificate, padfolio organizer, USB flash drive, PDA, pen &
pencil set
Brush High School Brush
Design and Construction of a Micro Air Vehicle

United States Army

John Kwon 9th grade
certificate, silver medallion, \$100 savings bond
Pine Creek High School Colorado Springs
Exploration through the "Monsters" of the Universe

Darci Dobson 12th grade
certificate, \$50 savings bond
Monte Vista High School Monte Vista
Looking for Patterns of Deuterium in the Local Galactic Disk

Daniel Smith 11th grade
certificate, \$50 savings bond
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Kaitlyn Lingus 11th grade
certificate, \$50 savings bond
Branson School Branson
*One "Mite"y Mission: Biological Compensation Suppression of
Convolvulus arvensis Implementing Host-Specific Aceria
malherbae. . . Phase III*

Ian Springer 12th grade
certificate, \$50 savings bond
Lamar High School Lamar
Inside The Matrix: Solving Sudoku Puzzles Using Visual Basic

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

Tim Schneider 11th grade
certificate, \$75 gift certificates, medallion
Durango High School Durango
Photonics

Ian Donaldson 10th grade
certificate, \$75 gift certificates, medallion
Broomfield High School Broomfield
*Dynamic Axial Deformation Trends of High-Strength Metal
Tube Core Automotive Crush Zones*

Daniel Armstrong 12th grade
certificate, \$75 gift certificates, medallion
Monte Vista High School Monte Vista
Designing a Digital Hearing Aid Program

Julia Leonard 11th grade
certificate, \$75 gift certificates, medallion
Palmer High School Colorado Springs
*From Plague to Bird Flu: The Media's Influence in Mass
Hysteria*

Katie Mussell & Amanda Stickley 12th grade
certificate, medallion
Brush High School Brush
Shift Code Encryption

Russell Tappy 7th grade
certificate, medallion
Merino Jr/Sr High School Merino
*Performance Enhancers, Are They in You? The Effect of
Performance Enhancers on G. portentosa*

Alexandra Proietti 8th grade
certificate, medallion
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk

Addison Kramer 8th grade
certificate, medallion
Cherry Creek Challenge School Denver
Ecologically Friendly Roofing

Charles Bergren 7th grade
 certificate, medallion
 Southern Hills Middle School Boulder
AM Loop Antenna Design

Organizational

Air & Waste Management Association Rocky Mountain States Section

Hannah Carrese 8th grade
 North Middle School Colorado Springs
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant

Evan Duggan 12th grade
 Cherry Creek High School Greenwood Village
Removal of Targeted Organic Compounds from Municipal Waste Water

American Association of University Women

Brooke Grissom 8th grade
 \$100
 Fowler Junior High School Fowler
Soil Erosion: A Growing Problem

American Chemical Society Colorado Local Section

Austin Traphagan 8th grade
 certificate, \$100
 Yuma Middle School Yuma
Smile--It's About Time

Vicky Li 11th grade
 certificate, \$100
 Fairview High School Boulder
Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms

American Institute of Chemical Engineers Rocky Mountain Section

Katelyn Yowell 8th grade
 \$75
 Genoa-Hugo School Hugo
Chlorophyll Chromatography

Nathan Weeks 7th grade
 \$100
 The Classical Academy Colorado Springs
Sound Barrier Designs

Bailey Leppok & Derek Kramer 11th grade
 \$75
 Cherry Creek High School Greenwood Village
Ethanol Sythesis from Different Biodegradable Household Waste Products

Eric Keeling 12th grade
 \$100
 La Veta Jr/Sr High School La Veta
A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water

American Statistical Association Colorado/Wyoming Chapter

Jack Donelson 8th grade
 \$75, acknowledgement at chapter spring meeting and on chapter web site
 Mackintosh Academy Littleton
Predicting Success in Basketball by Statistical Analysis

Soren Frykholm 8th grade
 \$75, engraved Ipod Shuffle, acknowledgement at chapter spring meeting and on chapter web site
 Summit Middle School Boulder
The Nose Knows: A Better Way to Breathe?

Fletcher Gorman 11th grade
 \$75, acknowledgement at chapter spring meeting and on chapter web site
 Fleming High School Fleming
Tunes: The New Brain Food

Kevin Howard 12th grade
 \$75, engraved Ipod Shuffle, acknowledgement at chapter spring meeting and on chapter web site
 Boulder High School Boulder
Chord Processing and the Critical Band

American Vacuum Society Rocky Mountain Chapter

Kerry Betz 8th grade
 \$50, matching award to teacher/sponsor
 Summit Middle School Boulder
Something's Decaying in My Basement

Hannah Carrese 8th grade
 \$100, matching award to teacher/sponsor
 North Middle School Colorado Springs
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant

Gwyneth Glissmann 10th grade
 \$50, matching award to teacher/sponsor
 Peak to Peak Charter School Lafayette
Mitigating Global Warming by Utilizing Albedo Geoengineering

Vicky Li 11th grade
 \$100, matching award to teacher/sponsor
 Fairview High School Boulder
Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms

Armbruster Associates

Charles Armbruster Memorial Award

Elizabeth Napier 6th grade
 \$100
 Escalante Middle School Durango
Flying High

ASM International

Ambrose Soehn 8th grade
 \$50
 Summit Middle School Boulder
Natural vs. Synthetic: Polymers in Today's World

David Wu 10th grade
\$75
Cherry Creek High School Greenwood Village
Analyzing Hydrogen Storage in a Mg-Al-Zn Alloy

Association for Women Geoscientists Laramide Chapter

Samantha Ensz 8th grade
"Achievement Medal", \$50, mineral specimen
Hi-Plains Jr/Sr High School Seibert
Successful Soil

Saraiya Ruano 11th grade
"Achievement Medal", \$50, mineral specimen
Coronado High School Colorado Springs
The Road Less Traveled

Cherry Creek Basin Water Quality Authority

Mariah Hanley 12th grade
\$50
Cherry Creek High School Greenwood Village
Correlations between Snow Contamination and the Air Quality Index

Colorado Association of Meat Processors

Sarah Boyle 10th grade
certificate, \$60
Durango High School Durango
The Effects of L-glutathione and Ampicillin on the Gram-Negative Bacteria: Escherichia coli

Colorado Association of Science Teachers

Jeffrey Hibbert 8th grade
certificate, \$50
Lone Star School Otis
Wastewater Watts: A Study of Microbial Fuel Cells

David Michel 7th grade
certificate, \$50
Merino Jr/Sr High School Merino
Aloe Vera Myth or Medicine? The Effect of Aloe Vera on M. sexta and G. portentosa

Erin Neumann 12th grade
certificate, \$50
Wray High School Wray
Water on Demand: The Effects of Soil Additives on Plant Growth and Germination

Rebecca Siegel & Zoe Dostal 10th grade
certificate, \$50
Palmer High School Colorado Springs
Thinking without Thinking: A Study of Subconscious

Biases Towards the Middle East

Gerald Gromko Award

Daniel Armstrong 12th grade
\$150, plaque
Monte Vista High School Monte Vista
Designing a Digital Hearing Aid Program

Colorado Biology Teacher's Association

Erik Schnaderbeck 8th grade
certificate, \$75
Sargent Jr/Sr High School Monte Vista
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries

Ashley Pollock 12th grade
certificate, \$75
Wiggins Jr/Sr High School Wiggins
Tissue Distribution and Mitochondrial Function of the Parkinson's Disease Related Protein DJ-1

Colorado Dental Association

Austin Traphagan 8th grade
plaque, \$25, invitation to present projects at the Colorado Dental Association's Annual Meeting
Yuma Middle School Yuma
Smile--It's About Time

Leslie Hase 12th grade
plaque, \$50, invitation to present projects at the Colorado Dental Association's Annual Meeting
Merino Jr/Sr High School Merino
A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health

Colorado Division of Wildlife

Vincent Burkhardt 7th grade
certificate, DOW Book or video
Stanley British Primary School Denver
Do Car Associated Chemicals Affect Daphnia

Erik Schnaderbeck 8th grade
\$50, packet of Colorado Division of Wildlife products
Sargent Jr/Sr High School Monte Vista
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries

Saraiya Ruano 11th grade
certificate, DOW Book or video
Coronado High School Colorado Springs
The Road Less Traveled

Alex Schnaderbeck 11th grade
\$50, packet of Colorado Division of Wildlife products
Sargent Jr/Sr High School Monte Vista
Shape Up: The Relationship Between Trout Habitat and Differently Shaped Rocks.

Colorado Environmental Health Association

Hannah Carrese 8th grade
certificate, \$50
North Middle School Colorado Springs
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant

Mariah Hanley 12th grade
 certificate, \$100, invitation to exhibit at the CEHA Annual
 Educational Conference (\$400 value)
 Cherry Creek High School Greenwood Village
*Correlations between Snow Contamination and the Air Quality
 Index*

Colorado Foundation for Agriculture

Agriculture in the Classroom Award

Nakayla Lestina 7th grade
 certificate, \$50
 Dove Creek Middle School Dove Creek
*Biological Control of Canada Thistle - Analyzing Three Natural
 Insect Enemies*

Lorne Muir II 7th grade
 certificate, \$50
 The Classical Academy Colorado Springs
Hydrophobic Soil Rehabilitation

DJ Horton 12th grade
 certificate, \$50
 Hotchkiss High School Hotchkiss
Biological Control of a Common Corn Criminal: Phase IV

Michaela Kaiser 12th grade
 certificate, \$50
 Sargent Jr/Sr High School Monte Vista
*Peace of Mind Potential for Current Season Spread in
 Colorado's Post Harvest Test*

Colorado Geological Survey & Division of Reclamation Mining and Safety

Dylan Cleveland 6th grade
 certificate
 Canon City Middle School Canon City
Does the Earth Move Under Your Feet?

Tawney Bleak 8th grade
 \$150
 Otis Jr/Sr High School Otis
S.O.S. Save Our Soil

Bailey Jones 12th grade
 certificate
 Canon City High School Canon City
Which Rock, What Time, Which Fossil Can You Find?

Adam Goss 11th grade
 \$150
 Brush High School Brush
Computer Simulation of Erosion Patterns

Colorado Medical Society

Tanner Zimmerman 6th grade
 \$100
 Riverside Middle School New Castle
Mercy MRSA

Nicholas Greos 12th grade
 \$100
 Cherry Creek High School Greenwood Village
Evaluation of Concussions in Teen Sports

Colorado Mineral Society

Bailey Jones 12th grade
 \$40, 2 mineral specimens, book
 Canon City High School Canon City
Which Rock, What Time, Which Fossil Can You Find?

Colorado Mycological Society

Anika Petach 10th grade
 \$50, Colorado Mushrooms book
 Fairview High School Boulder
*Tracking and Preventing the Ophiostoma Fungus of the
 Mountain Pine Bark Beetle*

Colorado River Watch

Eric Keeling 12th grade
 \$50, certificate
 La Veta Jr/Sr High School La Veta
*A Study on Rhizofiltration with Helianthus annuus and Its Effect
 on Coal Bed Methane Produced Water*

Colorado Scientific Society

Hannah Carrese 8th grade
 \$50
 North Middle School Colorado Springs
*Hg - The Lethal Element: Emissions from a Coal-Fired Power
 Plant*

Nia Quadracci 6th grade
 \$75
 Bromley East Charter School Brighton
Icy Albedo

Austin Nichols 11th grade
 \$75
 Brush High School Brush
The Controlled Growth of Penitente Structures

Bailey Jones 12th grade
 \$100
 Canon City High School Canon City
Which Rock, What Time, Which Fossil Can You Find?

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

Cade Daugherty 8th grade
 certificate & gold medallion from the Auxiliary to the AVMA,
 \$50 from the CVMA, \$50 from the CVMA Auxiliary
 Branson School Branson
Biological Control of Locoweed

Katlin Hornig 10th grade
 certificate & gold medallion from the Auxiliary to the
 AVMA, \$50 from the CVMA, \$50 from the CVMA Auxiliary
 Sargent Jr/Sr High School Monte Vista
The Equine Emotional and Physical Behavior Connection

Colorado-Wyoming Society of American Foresters

Alexandra Proietti 8th grade
\$100 savings bond
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk

Dylan Proietti 10th grade
\$100 savings bond
Grand Junction High School Grand Junction
From Eradication to Utilization: Cooking Tastily with Tamarisk

Colorado State University Dept. of Biochemistry & Molecular Biology

Ashley Pollock 12th grade
certificate, \$100
Wiggins Jr/Sr High School Wiggins
*Tissue Distribution And Mitochondrial Function Of The
Parkinson's Disease Related Protein DJ-1*

Colorado State University Department of Chemistry

Tessa Kester 7th grade
certificate, \$100
West Middle School Grand Junction
Why Did My Hair Turn Green?

David Wu 10th grade
certificate, \$100
Cherry Creek High School Greenwood Village
Analyzing Hydrogen Storage in A Mg-Al-Zn Alloy

Colorado State University Dept. of Horticulture & Landscape Architecture

Anna Rooney 8th grade
\$100
Sargent Jr/Sr High School Monte Vista
How Sweet Is Your Potato?

Michaela Kaiser 12th grade
\$100
Sargent Jr/Sr High School Monte Vista
*Peace of Mind Potential for Current Season Spread in
Colorado's Post Harvest Test*

K C Zinn 7th grade
\$100
Sargent Jr/Sr High School Monte Vista
Counting on Canela

Gabriel Sachter-Smith 12th grade
\$100
Nederland Jr/Sr High School Nederland
*Hybridization of Edible Diploid Eumusa Varieties and Wild
Rhodochlamys Musa Species*

Eppler Family

Marina Yamasaki 8th grade
microprocessor kit and digital multimeter (value \$150)
Summit Middle School Boulder
How Efficient Are Your Light Bulbs?

Charles Bergren 8th grade
microprocessor kit and digital multimeter (value \$150)
Southern Hills Middle School Boulder
AM Loop Antenna Design

Fort Collins Conservation District

Alexandra Proietti 8th grade
\$50, plaque
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk

Dylan Proietti 10th grade
\$50, plaque
Grand Junction High School Grand Junction
From Eradication to Utilization: Cooking Tastily with Tamarisk

Human Factors & Ergonomics Society Rocky Mountain Chapter

Aiden Acquisto & Jaimie Smith 6th grade
\$100
Stanley British Primary School Denver
Reaction with Distraction

Institute of Electrical and Electronics Engineers

Austin Cerny 8th grade
\$100
Eagle County Charter Academy Edwards
Slow Computer Got You Down?

Daniel Smith 11th grade
\$150
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Maxwell Wheeler 12th grade
\$100
Nederland Jr/Sr High School Nederland
*A New Frequency for Help! Exploring Propagation
Characteristics of the 500 kHz Frequency*

Tim Schneider 11th grade
\$100
Durango High School Durango
Photonics

Intel Foundation

Intel Foundation Computer Award

Ambrose Soehn 8th grade
certificate, laptop computer (to be mailed later)
Summit Middle School Boulder
Natural vs. Synthetic: Polymers in Today's World

Chelsea Oden 11th grade
certificate, laptop computer (to be mailed later)
Monte Vista High School Monte Vista
*A Wrinkle In Prime: An Investigation of Prime Properties in a
Four-Dimensional Sieve of Eratosthenes*

Lockheed Martin

Graham Robinson 8th grade
\$50 US savings bond
Cortez Middle School Cortez
Keeping Planes from Crashing!

Darci Dobson 12th grade
\$100 US savings bond, model rocket
Monte Vista High School Monte Vista
Looking For Patterns of Deuterium in the Local Galactic Disk

MAST Hotline

Lauren Adlhoch 7th grade
\$50
St. John the Evangelist School Loveland
Can I Measure the Height of the Moon's Mountains and the Depths of Its Craters?

Daniel Joos 10th grade
\$50
Fleming High School Fleming
The Effects of Essential Oils on Microsporum Canis Distortum

MWH Americas, Inc.

Addison Kramer 8th grade
\$100, plaque
Cherry Creek Challenge School Denver
Ecologically Friendly Roofing

Gwyneth Glissmann 10th grade
\$200, plaque
Peak to Peak Charter School Lafayette
Mitigating Global Warming by Utilizing Albedo Geoengineering

National Geophysical Data Center

Hannah Carrese 8th grade
certificate or recognition, plaque, \$100 savings bond
North Middle School Colorado Springs
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant

National Renewable Energy Laboratory

Christy Farnsworth 9th grade
\$100
Paonia Jr/Sr High School Paonia
Hydrogen: A New Twist

Optical Society of America Rocky Mountain Section

Patrick Halde 8th grade
certificate, 1-year subscription to Discover magazine
Cheyenne Wells Middle School Cheyenne Wells
Changing Refractions Reaction

Tim Schneider 11th grade
certificate, 1-year subscription to Discover magazine
Durango High School Durango
Photonics

Rio Tinto Minerals, Inc.

Jayce Breig 8th grade
\$50
West Jefferson Middle School Conifer
Which Insulation Material Is Better?

Hannah Ekblad 8th grade
\$100
Blevins Junior High School Fort Collins
The Effect of Recycled Newspaper on Pea Germination in a Heavy Clay Soil

Miranda Parmer 9th grade
\$50
Genoa-Hugo School Hugo
The Flammability of Fabrics for Home Safety

Kelsey Burns 10th grade
\$100
Arriba-Flagler School Flagler
Tumble on In! Exploring the Potential of Russian Thistle as a Source of Insulation

Rocky Mountain Association of Geologists

Rachel Beverlin 7th grade
cash award
Dolores Middle School Dolores
Geyser Spring: Characteristics of Colorado's Only Geyser

Darci Dobson 12th grade
cash award
Monte Vista High School Monte Vista
Looking For Patterns of Deuterium in the Local Galactic Disk

Patrick Martin 12th grade
cash award
Canon City High School Canon City
Environmental Repercussions in Fremont County

Grant Slinger 10th grade
cash award
Stratton High School Stratton
Effects of Soil Type on Groundwater Contamination

Rocky Mountain Goats Foundation

Tawney Bleak 8th grade
\$150
Otis Jr/Sr High School Otis
S.O.S. Save Our Soil

Anika Petach 10th grade
\$150
Fairview High School Boulder
Tracking and Preventing the Ophiostoma Fungus of the Mountain Pine Bark Beetle

Rocky Mountain Water Environment Association

Taylor Fogg 7th grade
\$50
The Classical Academy Colorado Springs
Poop, Etc.

Dana Louie 8th grade
\$100
North Middle School Colorado Springs
Understanding Eutrophication

Grant Slinger 10th grade
\$50
Stratton High School Stratton
Effects of Soil Type on Groundwater Contamination

Eric Keeling 12th grade
\$100
La Veta Jr/Sr High School La Veta
A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water

Society for Advancement of Chicanos and Native Americans in Science

Reno Tsosie 8th grade
\$25
Cortez Middle School Cortez
Cultural Relevance in the Navajo Context

Dani Gonzales 11th grade
\$50, one year society membership
Grand Valley High School Parachute
The Effect an Organic Diet Has on Health Related Quality of Life

Society for Mining, Metallurgy and Exploration, Colorado Section

Kerry Betz 8th grade
plaque, \$50
Summit Middle School Boulder
Something's Decaying in My Basement

Rachel Washam 8th grade
plaque, \$100
St. John the Evangelist School Loveland
Hardened without Heat

Eric Keeling 12th grade
plaque, \$50
La Veta Jr/Sr High School La Veta
A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water

Patrick Martin 12th grade
plaque, \$100
Canon City High School Canon City
Environmental Repercussions in Fremont County

Society of Manufacturing Engineers, Northern Colorado, Chapter 354

Keith Vieweg 12th grade
certificate, recognition by Chapter 354, US savings bond
Monte Vista On Line Academy Monte Vista
Cooling Results: The Effect of Temperature on the Warp of Plastic in Manufacturing

Mandi Loucks 12th grade
certificate, recognition by Chapter 354, US savings bond
Grand Junction High School Grand Junction
Should Hybrids Fly?

Society of Women Engineers Rocky Mountain Section

Emily Sandner 6th grade
certificate, \$50
St. Columba School Durango
Oil; Fact or Friction - Synthetic vs Petroleum

Ashlan Hren & Arianna Vierczhalek 8th grade
certificate, \$75
Lake County Middle School Leadville
What About the Brakes?!!

Vicky Li 11th grade
certificate, \$50
Fairview High School Boulder
Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms

Mandi Loucks 12th grade
certificate, \$75
Grand Junction High School Grand Junction
Should Hybrids Fly?

Soil and Water Conservation Society Colorado Chapter

Hannah Ekblad 8th grade
certificate, ribbon, \$25
Blevins Junior High School Fort Collins
The Effect of Recycled Newspaper on Pea Germination in a Heavy Clay Soil

Brooke Grissom 8th grade
certificate, ribbon, \$50
Fowler Junior High School Fowler
Soil Erosion: A Growing Problem

Grant Slinger 10th grade
certificate, ribbon, \$25
Stratton High School Stratton
Effects of Soil Type on Groundwater Contamination

Eric Keeling 12th grade
certificate, ribbon, \$50
La Veta Jr/Sr High School La Veta
A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water

The International Society for Optical Engineering

Lauren Adlhoch 7th grade
\$100
St. John the Evangelist School Loveland
Can I Measure the Height of the Moon's Mountains and the Depths of Its Craters?

Matt Wenger 12th grade
 \$50
 Doherty High School Colorado Springs
Brillouin Light Scattering

Tim Schneider 11th grade
 \$100
 Durango High School Durango
Photonics

United States Department of Commerce

Stephen Wilfong 12th grade
 opportunity for summer employment with Department of
 Commerce with possibility for future continuing employment
 Moffat High School Moffat
*Return of the Deadly Snow: A Study of Avalanche Risk Based on
 Layers and Types Of Snow*

Eric Keeling 12th grade
 alternate for an opportunity for summer employment with
 Department of Commerce with possibility for future continuing
 employment
 La Veta Jr/Sr High School La Veta
*A Study on Rhizofiltration with Helianthus annuus and Its Effect
 on Coal Bed Methane Produced Water*

United States Geological Survey

Rachel Beverlin 7th grade
 reference book, mineral sample
 Dolores Middle School Dolores
Geyser Spring: Characteristics of Colorado's Only Geyser

Alex Schnaderbeck 11th grade
 reference book, mineral sample
 Sargent Jr/Sr High School Monte Vista
*Shape Up: The Relationship Between Trout Habitat and
 Differently Shaped Rocks.*

University of Colorado Health Sciences Center Medical Scientist Training Program

Ashley Pollock 12th grade
 \$50
 Wiggins Jr/Sr High School Wiggins
*Tissue Distribution and Mitochondrial Function of the
 Parkinson's Disease Related Protein DJ-1*

Antonia Lira 9th grade
 \$50
 Lamar High School Lamar
*Does Sun Guard Detergent Wash an Invisible Shield into
 Clothing to Reduce Ultraviolet Light?*

Yale Science & Engineering Association

Atticus Bergman 11th grade
 certificate, pewter medallion (to be mailed in August)
 Fairview High School Boulder
That Flocking Convection

Zonta Club of Boulder County Amelia Earhart Award

Elizabeth Napier 6th grade
 \$100
 Escalante Middle School Durango
Flying High

Scholarships

Adams State College Adams State College Scholarships

Katlin Hornig 10th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Sargent Jr/Sr High School Monte Vista
The Equine Emotional and Physical Behavior Connection

Dustin Brady 11th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Wray High School Wray
Beats of the Brain

Sarah Cummings 10th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Brush High School Brush
Leaching Of Metals from Cookware By Acidic

Bailey Jones 12th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Canon City High School Canon City
Which Rock, What Time, Which Fossil Can You Find?

Seth Brouwer 10th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Arriba-Flagler School Flagler
What's the Coolest Oil

Keith Vieweg 12th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Monte Vista On Line Academy Monte Vista
*Cooling Results: The Effect of Temperature on the Warp of
 Plastic in Manufacturing*

Alex Schnaderbeck 11th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Sargent Jr/Sr High School Monte Vista
*Shape Up: The Relationship Between Trout Habitat and
 Differently Shaped Rocks.*

Adam Goss 11th grade
 scholarships valued as the equivalent to one-year resident tuition
 and fees
 Brush High School Brush
Computer Simulation of Erosion Patterns

Jennifer Manfredo 9th grade
scholarships valued as the equivalent to one-year resident tuition
and fees
Canon City High School Canon City
Auditory Processing: Can You Interpret It Now?

Sarah Gunkel 10th grade
scholarships valued as the equivalent to one-year resident tuition
and fees
Springfield Jr/Sr High School Springfield
Bacterial Party

Tucker Dunivan 11th grade
scholarships valued as the equivalent to one-year resident tuition
and fees
Walsh Jr/Sr High School Walsh
Stress Test, Will Stress Cause Whiskers?

Haydn Christensen 10th grade
scholarships valued as the equivalent to one-year resident tuition
and fees
Monte Vista High School Monte Vista
The Effects of Disease And Damage on Malt Friability

Colorado School of Mines
Colorado School of Mines Scholarships

Austin Nichols 11th grade
50% resident tuition, four-year scholarship
Brush High School Brush
The Controlled Growth of Penitente Structures

Alex Schnaderbeck 11th grade
50% resident tuition, four-year scholarship
Sargent Jr/Sr High School Monte Vista
*Shape Up: The Relationship Between Trout Habitat and
Differently Shaped Rocks.*

Daniel Smith 11th grade
50% resident tuition, four-year scholarship
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Chelsea Oden 11th grade
50% resident tuition, four-year scholarship
Monte Vista High School Monte Vista
*A Wrinkle in Prime: An Investigation of Prime Properties in a
Four-Dimensional Sieve of Eratosthenes*

Atticus Bergman 11th grade
50% resident tuition, four-year scholarship
Fairview High School Boulder
That Flocking Convection

Andrew Flynn & Wil Cocke 11th grade
50% resident tuition, four-year scholarship
Palmer High School Colorado Springs
*Determining the Point of Entropy: Building A Lorenzian
Waterwheel*

Syracuse Pulp and Paper Foundation

Keith Vieweg 12th grade
\$17,000 scholarship to State University of New York - College
of Environmental Science and Forestry
Monte Vista On Line Academy Monte Vista
*Cooling Results: The Effect of Temperature on the Warp of
Plastic in Manufacturing*

Intel Foundation
Ryan Patterson Scholarship

Amanda Rock 12th grade
certificate, \$2,000 scholarship to be used at a college of student's
choice
Wray High School Wray
Biofuels: Oily Alternatives?

Lockheed Martin
CSEF Teacher of the Year Award

Haydee Phelps
\$3,000 grant to support student research facilitated by them
and/or to fund programs in their district that would best enhance
instruction in the sciences and engineering
Summit Middle School Boulder

University of Colorado - Boulder
*College of Engineering and Applied Science
Scholarships*

Bailey Leppek & Derek Kramer 11th grade
\$1,500/year scholarship for four years
Cherry Creek High School Greenwood Village
*Ethanol Synthesis from Different Biodegradable Household
Waste Products*

Maxwell Wheeler 12th grade
\$2,500/year scholarship for four years
Nederland Jr/Sr High School Nederland
*A New Frequency for Help! Exploring Propagation
Characteristics of the 500 kHz Frequency*

Chelsea Oden 11th grade
\$4,000/year scholarship for four years
Monte Vista High School Monte Vista
*A Wrinkle in Prime: An Investigation of Prime Properties in a
Four-Dimensional Sieve of Eratosthenes*

Science Service

American Meteorological Society

Mariah Hanley 12th grade
certificate
Cherry Creek High School Greenwood Village
*Correlations between Snow Contamination and the Air Quality
Index*

Austin Nichols 11th grade
certificate
Brush High School Brush
The Controlled Growth of Penitente Structures

Stephen Wilfong 12th grade
certificate
Moffat High School Moffat
*Return of the Deadly Snow: A Study of Avalanche Risk Based on
Layers and Types of Snow*

American Psychological Association

Rachel Wynn 11th grade
certificate
Coronado High School Colorado Springs
Social Cognition and Working Memory

Discovery Channel

Discovery Channel Young Scientist Challenge

Erik Schnaderbeck 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition

Sargent Jr/Sr High School Monte Vista
*What Water Characteristics Affect Aquatic Invertebrates at
Tailwater Fisheries*

Diane Schulze 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Cherry Creek Challenge School Denver
Human Embarrassment

Ambrose Soehn 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Summit Middle School Boulder
Natural vs. Synthetic: Polymers in Today's World

Colin Mummery 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
St. Columba School Durango
Ascent from the Deep

Alex Nickell 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
St. John the Evangelist School Loveland
Can a Shroud Increase the Electrical Output of a Wind Turbine?

Nathan Weeks 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
The Classical Academy Colorado Springs
Sound Barrier Designs

Alexandra Proietti 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk

Garrett Glissmann 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Peak to Peak Charter School Lafayette
Identifying Minutiae within a Fingerprint

Alexandria Farnsworth 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Paonia Jr/Sr High School Paonia
Stop! Type 2 Diabetes in Adolescents

Ashleigh West 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
West Jefferson Middle School Conifer
*The Use of UV Light to Sterilize Leafy Vegetables as a Means of
Improving Food Safety*

Kerry Betz 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Summit Middle School Boulder
Something's Decaying in My Basement

Andrew Theobald 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
North Middle School Colorado Springs
Windy Gardens

Nakayla Lestina 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Dove Creek Middle School Dove Creek
*Biological Control of Canada Thistle - Analyzing Three Natural
Insect Enemies*

Reno Tsosie 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Cortez Middle School Cortez
Cultural Relevance in the Navajo Context

Jordan Lestina 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Dove Creek Middle School Dove Creek
*L-Ascorbic Acid Analyzing Foods by Titration Phase 2,
Quantifying the Effects of Heat & Cold on Vitamin C*

Tawney Bleak 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Otis Jr/Sr High School Otis
S.O.S. Save Our Soil

Natashia Barker 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Haxtun Middle School Haxtun
Burn or Not to Burn: That Is the Question

Charles Bergren 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Southern Hills Middle School Boulder
AM Loop Antenna Design

Lorne Muir II 7th grade
certificate, lapel pin, nomination to enter the DCYSC national

competition
The Classical Academy Colorado Springs
Hydrophobic Soil Rehabilitation

Rahul Shankar 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Mountain Ridge Middle School Colorado Springs
*A Software Tool to Calculate Alignment of Nucleotide Sequences
to Classify the Cryptoprocta Ferox*

Russell Tappy 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Merino Jr/Sr High School Merino
*Performance Enhancers, Are They In You? The Effect of
Performance Enhancers on G. portentosa*

Sara Volz 6th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
North Middle School Colorado Springs
What Common Substances Best Kill Bacteria on the Skin?

Rachel Washam 8th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
St. John the Evangelist School Loveland
Hardened Without Heat

Justin Lewton 7th grade
certificate, lapel pin, nomination to enter the DCYSC national
competition
Weld Central Junior High Keenesburg
The Green Thumb Problem

Herbert Hoover Presidential Library Association
Herbert Hoover Young Engineer Award

Daniel Smith 11th grade
certificate, medallion
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Intel Corporation

Intel Excellence in Computer Science Award

Tommaso Buvoli 12th grade
certificate, \$200 (to be mailed in July)
Fairview High School Boulder
Machine Learning and Data Classification

**National High School & Two-Year College
Mathematics Honor Society**
Mu Alpha Theta Award

Chelsea Oden 11th grade
certificate
Monte Vista High School Monte Vista
*A Wrinkle in Prime: An Investigation of Prime Properties in a
Four-Dimensional Sieve of Eratosthenes*

National Society of Professional Engineers
Innovative Engineering Award

Daniel Smith 11th grade
certificate, lapel pin, one-year subscription to
Engineering Times
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Ricoh Americas Corporation
Ricoh Sustainable Development Award

Alex Nickell 7th grade
certificate, entry into a drawing for a Ricoh digital camera
St. John the Evangelist School Loveland
Can a Shroud Increase the Electrical Output of a Wind Turbine?

Scientific American

Chelsea Oden 11th grade
certificate, one-year subscription to Scientific American
Monte Vista High School Monte Vista
*A Wrinkle in Prime: An Investigation of Prime Properties in a
Four-Dimensional Sieve of Eratosthenes*

Atticus Bergman 11th grade
certificate, one-year subscription to Scientific American
Fairview High School Boulder
That Flocking Convection

Daniel Smith 11th grade
certificate, one-year subscription to Scientific American
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Bailey Leppek & Derek Kramer 11th grade
certificate, one-year subscription to Scientific American
Cherry Creek High School Greenwood Village
*Ethanol Synthesis from Different Biodegradable Household
Waste Products*

Society for In Vitro Biology

*Outstanding Achievement for Ability and Creativity in
In Vitro Biology Award*

Young Kim 11th grade
certificate
Cherry Creek High School Greenwood Village
Chlorophyll as a Sunscreening Agent

United States Department of Commerce/NOAA
Taking the Pulse of the Planet Award

Gwyneth Glissmann 10th grade
certificate, medallion
Peak to Peak Charter School Lafayette
Mitigating Global Warming By Utilizing Albedo Geoengineering

United States Metric Association

Best Use of the International System of Units Award

David Wu 10th grade
certificate
Cherry Creek High School Greenwood Village
Analyzing Hydrogen Storage in A Mg-Al-Zn Alloy

United States Public Health Service
US Public Health Service Challenge

Antonia Lira 9th grade
certificate
Lamar High School Lamar
*Does Sun Guard Detergent Wash an Invisible Shield into
Clothing to Reduce Ultraviolet Light?*

Water Environment Federation
Stockholm Junior Water Prize

Evan Duggan 12th grade
Certificate, nomination for the SJWP state competition, mouse
pad
Cherry Creek High School Greenwood Village
*Removal of Targeted Organic Compounds from Municipal
Waste Water*