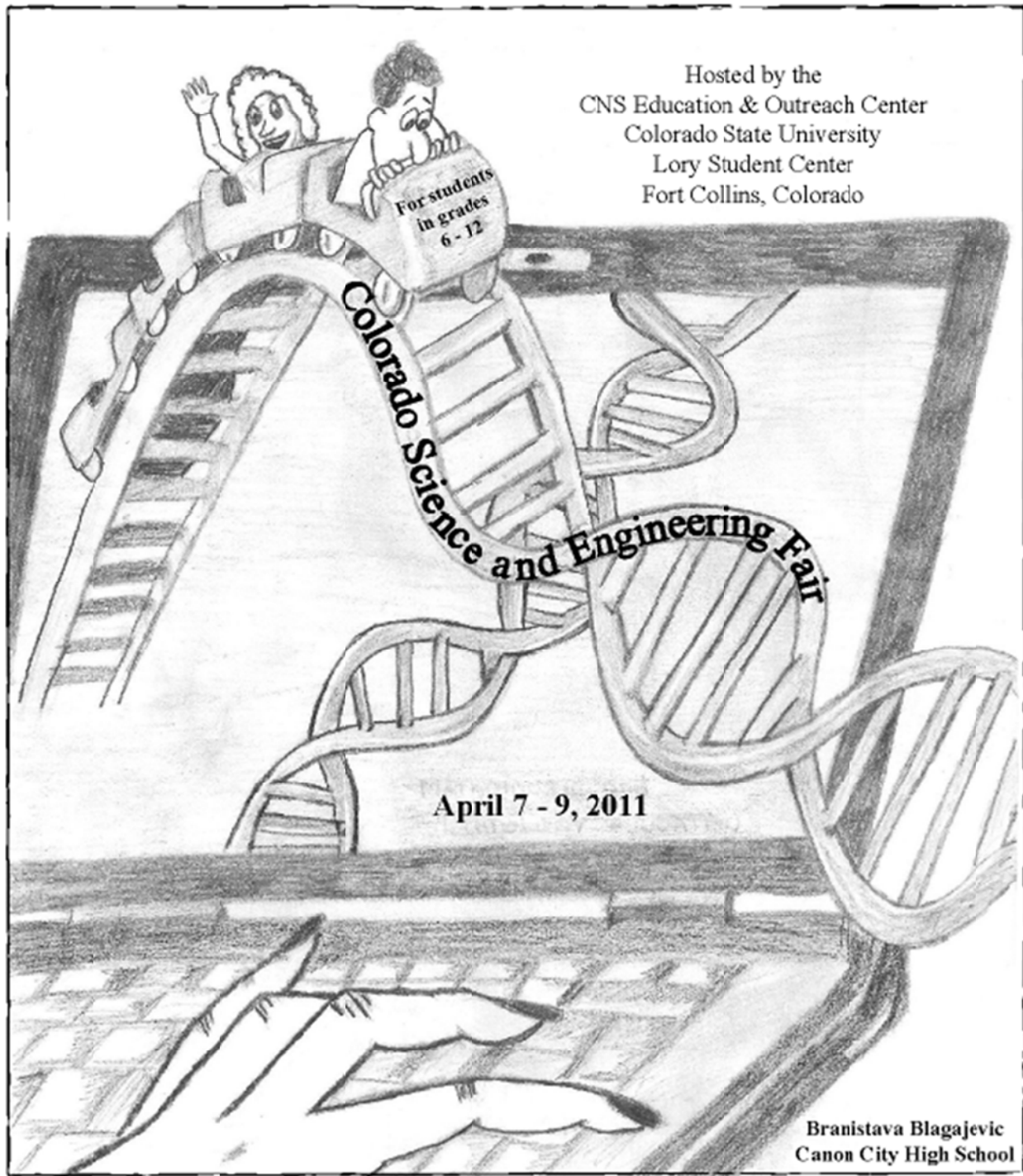


Press Release



2011 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division Best Individual Project

First Place

Caitlyn Lee 8th grade
Who Am I? The Effect of Age on the Relationship Between One's Self and Reflected Appraisals
 Summit Middle School Boulder

Second Place

Samir Berrada 8th grade
The Future of Sign Language Translation and Universal Digital Control
 Home School Pleasant View

Third Place

Emma Frantz 8th grade
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion
 North Middle School Colorado Springs

Senior Division Best Individual Project

First Place

Sara Volz 10th grade
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase, an Enzymatic Factor of Lipid Production
 Cheyenne Mountain High School Colorado Springs

Second Place

John Parish IV 11th grade
On the Verge of Where It Wasn't: A Multi-Model Approach to Estimation and Tracking Using Extended Kalman Filtering and Intelligent Selection of Integrated Models
 Home School Colorado Springs

Third Place

Kerry Betz 12th grade
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell
 Fairview High School Boulder

Junior Division Best Team Project

First Place

Anne Mummery & Elizabeth Gervais 7th grade
Spilled: A Study of Oil Spill Dispersants and Their Toxicity to Marine Life
 Miller Middle School Durango

Second Place

Iain Cooley & Tiana Menon 8th grade
Stressed Mold
 East Middle School Grand Junction

Third Place

Stephen Haag & Chandler Smith 8th grade
Do Composite and Corked Bats Improve Play?
 Cheery Creek Challenge School Denver

Senior Division Best Team Project

First Place

Dylon Merrell & Charley Adams 12th grade
Quantum Entanglement
 Meeker High School Meeker

Second Place

Tucker Leavitt & Samuel Kater 10th grade
The Effects of Ionization on Spark Energy Content II
 Animas High School Durango

Third Place

Kelly Muller & Remy Barrows-O'Neal 11th grade
How Climate Affects the Spread of Invasive Species
 New Vista High School Boulder

Junior Division Animal Sciences

First Place

Charlee Jo Teague 6th grade
The Effect of Sow Disposition on Litter Size and Number Weaned
 Wiggins Middle School Wiggins

Second Place

Ethan Coldren 8th grade
Can You Predict the Weather by Watching Birds?
 Preston Middle School Fort Collins

Third Place

Kade Roelle 7th grade
Got Energy? Alertness and Activity in Madagascar Hissing Cockroaches
 Merino Jr/Sr High School Merino

Honorable Mention

Madison Olver 6th grade
Relax!
 Blevins Middle School Fort Collins

Honorable Mention

Hannah Urtz 8th grade
Whoa There! Calm Your Horses! The Effect of Human Anxiety on Equine
 Cherry Creek Challenge School Denver

**Senior Division
Animal Sciences**

First Place

Bailey Palmer 10th grade
Gene Seeker
West Grand High School Kremmling

Second Place

Nakayla Lestina 11th grade
*Biological Control of Tamarisk, Phase II: Diorhabda
Elongata - Adults vs. Larvae*
Dove Creek High School Dove Creek

Third Place

Nathan Frantz 11th grade
*A Study of Dietary Supplements and Actin and Myosin
Production*
Fleming High School Fleming

Honorable Mention

Nikki Schmidt 12th grade
*The Effects of Lipid Production on Caenorhabditis elegans
by the Inhibition of the Gene IKKE*
Merino Jr/Sr High School Merino

**Junior Division
Behavioral & Social Sciences**

First Place

Caitlyn Lee 8th grade
*Who Am I? The Effect of Age on the Relationship Between
One's Self and Reflected Appraisals*
Summit Middle School Boulder

Second Place

Lily Harris 8th grade
*A Risky Experiment: Does Your Grandpa Know More
Than You Do About Risk?*
Challenger Middle School Colorado Springs

Third Place

Chloe Weeks 7th grade
OMG: Texting While Driving: It's g2g
The Classical Academy Colorado Springs

Honorable Mention

Kaily Adair 8th grade
For Every Action, What's Your Reaction?
Preston Middle School Fort Collins

Honorable Mention

Kacey Godwin 7th grade
The Accent Is the Key
Stanley British Primary School Denver

Honorable Mention

Dylan Brown 7th grade
Learning Is Its Own Reward?
The Classical Academy Colorado Springs

**Senior Division
Behavioral & Social Sciences**

First Place

Ambrose Soehn 12th grade
*Those Notes in Your Head: A Psychological Comparison
Between Audible and Imagined Sound*
Boulder High School Boulder

Second Place

Kathryn McClain 11th grade
A Study of Audio-Visual Coactivation in Noise
Fairview High School Boulder

Third Place

Vikash Hypio 11th grade
Voting Systems: An Outcome Analysis Phase 3
Hotchkiss High School Hotchkiss

Honorable Mention

Marika Schubert 9th grade
Memory and Music
Wasson High School Colorado Springs

**Junior Division
Chemistry**

First Place

Chaya Wurman 8th grade
Does Acidity Kill Your Glow?
Summit Middle School Boulder

Second Place

Leo Brasuel 7th grade
Microwaving: The Right Choice?
North Middle School Colorado Springs

Third Place

Reid Palser 8th grade
*Growth Variability of Intussusceptive Membrane Assembly
in the Calcium Phosphate*
Otis Jr/Sr High School Otis

Honorable Mention

Abigail Bogdovitz 6th grade
*The Ups and Downs of Baking: The Effect of Sugar on
Leaveners*
Palmer Lake Elementary School Palmer Lake

Honorable Mention

Aileen Flanery 6th grade
How Crude: Oil vs. Dish Soap
Miller Middle School Durango

Category Team Award

Austin Dikeman & Claire McGettigan-Fries 8th grade
*Fluorescent Reactions Under Ultraviolet Light in Dianthus
caryophyllus and Apium graveolens*
Pueblo School for Arts and Sciences Pueblo

**Senior Division
Chemistry**

First Place

Kerry Betz 12th grade
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell
Fairview High School Boulder

Second Place

Gerri Roberts 10th grade
From Oil to Fuel
Poudre High School Fort Collins

Third Place

John Cheslock 9th grade
Optimizing the Measurement Sensitivity of H₂O₂ with FDA Blue #1 for the Detection of New Generation Explosives
Sargent High School Monte Vista

Honorable Mention

Yang Liu 12th grade
Finding a Method for Selective Algae Flocculation
Cherry Creek High School Greenwood Village

Honorable Mention

Jayce Tappy 12th grade
What If It Has All Been a Big "Fat" Lie?
Merino Jr/Sr High School Merino

**Junior Division
Earth & Space Sciences**

First Place

Aleesa Muir 7th grade
Analyzing the Deteriorating Effects of Acid Precipitation on Natural Landscaping
The Classical Academy Colorado Springs

Second Place

Samantha Staynings 8th grade
Growth and Sound: Frequencies in Relation with Crystals
Summit Middle School Boulder

Third Place

Kelci VanTreese 8th grade
"Well" How Old Are You?
Sargent Junior High School Monte Vista

Honorable Mention

Alexandra McKenna 8th grade
The Effects of Cooling Rate on Crystal Growth
St. John the Evangelist Catholic School Loveland

Honorable Mention

Aliza Saper 7th grade
Sop It Up: The Best Way to Clean Up Our Oil Spills
Stanley British Primary School Denver

**Senior Division
Earth & Space Sciences**

First Place

Sophia Schneider 9th grade
Can Geosequestration and Geothermal Energy Work Together? Enhanced Geothermal Systems Using CO₂
Palmer High School Colorado Springs

Second Place

Burke Larsen 12th grade
Killer Water: An Investigation into the Lethal Lake Nyos
Brush High School Brush

**Junior Division
Energy & Transportation**

First Place

Evan Savage 6th grade
Improving Train Aerodynamics
Boulder Country Day School Boulder

Second Place

Kendra Frieden 7th grade
Pivotal Decisions in Solar Energy
The Classical Academy Colorado Springs

Third Place

Noah Trujillo Smith 7th grade
Improving Maglev Safety
North Middle School Colorado Springs

Honorable Mention

Sean Papile 7th grade
Counter Rotating Wind Energy
Blevins Middle School Fort Collins

Honorable Mention

Alexander Crane 7th grade
Storing Energy in Rubber Bands
St. John the Evangelist Catholic School Loveland

Category Team Award

Alex Fiel, Ryan Hawkins & Eric Miller 7th grade
Is the Golf Ball Effect Applicable on Model Aircraft?
Union Colony Preparatory School Greeley

**Senior Division
Energy & Transportation**

First Place

Sara Volz 10th grade
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase, an Enzymatic Factor of Lipid Production
Cheyenne Mountain High School Colorado Springs

Second Place

Wylie Keller 11th grade
Mathematic Modeling of the Wake Effect
Monte Vista High School Monte Vista

Third Place

Amy Lyne 12th grade
Efficient Solar-Powered Hydrogen Production
 Brush High School Brush

Honorable Mention

Chandler Ryd 9th grade
Speed or Pressure
 The Classical Academy Colorado Springs

**Junior Division
Engineering**

First Place

Samir Berrada 8th grade
*The Future of Sign Language Translation and Universal
Digital Control*
 Home School Pleasant View

Second Place

Leighton Burt 6th grade
Regular vs. Goofy. Evaluating Footedness
 Sargent Junior High School Monte Vista

Third Place

Robbie Crane 7th grade
H2Oil
 The Classical Academy Colorado Springs

Honorable Mention

Sydney Casebolt 6th grade
Egyptian Brick Breaker
 Alta Vista Charter School Lamar

Honorable Mention

Johann Kailey-Steiner 6th grade
*Rocket Design: How Changing Rocket Features Affects the
Height of a Rocket's Flight?*
 Grant Beacon Middle School Denver

**Senior Division
Engineering**

First Place

Erik Travis 12th grade
Engineered Insulation
 Akron High School Akron

Second Place

Ved Topkar 11th grade
*Modeling and Measuring the Propagation of Waves
Through Tissue*
 Fairview High School Boulder

Third Place

Easton LaChappelle 9th grade
Fine Motor Skills Using Wireless Animatronics
 Mancos High School Mancos

Honorable Mention

Joshua Phillips 12th grade
Cool Energy: Increasing Solar Array Efficiency
 Monte Vista High School Monte Vista

Honorable Mention

Luis Cruz 12th grade
*Electrooculography: A New Approach on a Human-
Computer-Interface*
 Harrison High School Colorado Springs

**Junior Division
Environmental Sciences**

First Place

Dominic Carrese 8th grade
*Rocky Mountain Pure? Fountain Creek's Journey Through
the Pikes Peak Region*
 North Middle School Colorado Springs

Second Place

Teisha Coffield 8th grade
*Persnickety Paramecium: Using P. caudatum as a
Biosensor for Estrogen*
 Lone Star Junior High School Otis

Third Place

Sydney Matteson 8th grade
*A Head's Tail: The Effects of Pharmaceutical Pollutants
and Remediation on Regeneration of Planaria*
 North Middle School Colorado Springs

Honorable Mention

Carmen Ruggles 7th grade
Is All This Pollution Really Worth It?
 Monte Vista Middle School Monte Vista

Honorable Mention

David McHugh 7th grade
Color vs. Clear: The Battle for Clean Water
 Banning Lewis Ranch Academy Colorado Springs

Honorable Mention

Isabella Schneider 7th grade
*A Cleaner Water Supply? Removing Nitrates and
Phosphates from Contaminated Water*
 North Middle School Colorado Springs

Category Team Award

Tessa Peterson & Jessica Piper 8th grade
Splash! What's in the Water?
 Summit Middle School Boulder

Category Team Award

Anne Mummery & Elizabeth Gervais 7th grade
*Spilled: A Study of Oil Spill Dispersants and Their
Toxicity to Marine Life*
 Miller Middle School Durango

**Senior Division
Environmental Sciences**

First Place

Jeffrey Hibbert 12th grade
*Agonistic and Cellular Analysis of Atrazine-Induced
Hormone Imbalance*
Lone Star High School Otis

Second Place

Taylor Rocha 9th grade
*The Effects of Wildfire on Stream Water Quality on
Medano Creek*
Monte Vista High School Monte Vista

Third Place

Rebecca Roskowski 11th grade
Reclamation and Revegetation of Spent Oil Shale
Grand Junction High School Grand Junction

Honorable Mention

Brisha Wakasugi 10th grade
*Kerber Creek Restoration Using Phytoremediation II:
Understanding the Link Between Macroinvertebrate and
Water Quality*
Sierra Grande High School Blanca

Honorable Mention

Abrah Masterson 10th grade
Quality Runoff
West Grand High School Kremmling

Category Team Award

Kelly Muller 11th grade
Remy Barrows-O'Neal 11th grade
How Climate Affects the Spread of Invasive Species
New Vista High School Boulder

Category Team Award

Boyu Wang 11th grade
Yichen (Astron) Liu 11th grade
Stephan Liu 10th grade
*Self-Sustained Desalination in Combination with
Wastewater Treatment*
Lakewood High School Lakewood

**Junior Division
Mathematics & Computer Sciences**

First Place

Leslie Seitz 7th grade
*Running Dry? The Sequel: Creating a Hydraulic Model
User Interface*
Boulder Country Day School Boulder

Second Place

Alby Musaelian 6th grade
*Cipher: Useful Obfuscation and a Beginning Exploration
of Cryptography*
Stanley British Primary School Denver

Third Place

Elise Niedringhaus 8th grade
Can Calculators Calculate Correctly?
Blevins Middle School Ft. Collins

Honorable Mention

Breanna Tramp 7th grade
*The Cube of Shame: The Use of Algorithms to Change a
Rubik's Cube*
Merino Jr/Sr High School Merino

**Senior Division
Mathematics & Computer Sciences**

First Place

John Parish IV 11th grade
*On the Verge of Where It Wasn't: A Multi-Model
Approach to Estimation and Tracking Using Extended
Kalman Filtering and Intelligent Selection of Integrated
Models*
Home School Colorado Springs

Second Place

Cissy Chen 11th grade
Prime Numbers and the Cyclicity of Groups of Units
Fairview High School Boulder

Third Place

Benjamin Ribovich 11th grade
Tangent and Secant Spaces
Cherry Creek High School Greenwood Village

Honorable Mention

Myles Scolnick 11th grade
*The Ordering of the Divisors of an Integer and Related
Number Theoretical Functions*
Cherry Creek High School Greenwood Village

**Junior Division
Medicine & Health**

First Place

Kelcey Beckman 8th grade
*Visual Abnormalities and the Comparison of Paper and
Computer Based Testing Using Color as the*
American Academy Castle Rock

Second Place

Ellie Mackintosh 6th grade
Save Face
Good Shepherd Catholic School Denver

Third Place

Rebecca Bloomfield 6th grade
Into the Wild: Water Purification
North Middle School Colorado Springs

Honorable Mention

Miah Pitcher 7th grade
Identification Investigation
Pagosa Springs Junior High School Pagosa Springs

Honorable Mention

Kaitlyn Dumm 6th grade
Pasteurization
 Windsor Charter Academy Windsor

**Senior Division
 Medicine & Health**

First Place

Alexis Shinn 10th grade
The Correlation Between the Menstrual Cycle and Female Anterior Cruciate Ligament Injuries
 Merino Jr/Sr High School Merino

Second Place

John Sherry 12th grade
Innate Human Reactions to Running Barefoot
 Fairview High School Boulder

Third Place

Harraz MohdReza 12th grade
Year Two: Immunocytochemical Characterization of Mouse Brain Explants in an In Vitro Model of Schizophrenia
 Union Colony Preparatory School Greeley

Honorable Mention

John Loflin 9th grade
Brand Name vs. Generic Pain Medication: Do You Get What You Pay For?
 Springfield High School Springfield

**Junior Division
 Microbiology**

First Place

Alex Miller 7th grade
Beat the Bacteria
 The Classical Academy Colorado Springs

Second Place

Kelsey Lindbloom 7th grade
Kitchen Wars
 Salida Middle School Salida

Third Place

Maislinn Helfer 8th grade
Dirt Bag
 North Middle School Colorado Springs

Honorable Mention

Lauren Dewey 7th grade
Are You Still Thirsty?
 North Middle School Colorado Springs

Honorable Mention

Jenna Hartley 8th grade
Emergence of Resistant Bacteria
 North Middle School Colorado Springs

Honorable Mention

Max Popkin 6th grade
Yuck, Bacteria on Dishes!
 North Middle School Colorado Springs

Category Team Award

Iain Cooley & Tiana Menon 8th grade
Stressed Mold
 East Middle School Grand Junction

**Senior Division
 Microbiology**

First Place

Soyeun Yang 11th grade
Synthesis and Use of Gold Nanoparticle Therapeutics in Antibiotic-Resistant Bacteria
 Fairview High School Boulder

Second Place

Clark Cranfill 11th grade
To Exist, It Must Resist
 Sargent High School Monte Vista

Third Place

Nadeen Ibrahim 10th grade
Irradiation: Using Reflectivity to Improve UV
 Weldon Valley High School Weldona

Honorable Mention

Amanda Patrick 12th grade
You Need to Pop a Pill!!! A Study of Saccharomyces cervisiae and Metformin
 Merino Jr/Sr High School Merino

**Junior Division
 Physics**

First Place

Emma Frantz 8th grade
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion
 North Middle School Colorado Springs

Second Place

Michael Arrasmith 7th grade
Up, Up, and Away
 The Classical Academy Colorado Springs

Third Place

Joshua Willis 7th grade
Good Vibrations?
 The Classical Academy Colorado Springs

Honorable Mention

Aaron Gossage 8th grade
The Dangers Under the Kitchen Sink
 West Middle School Grand Junction

Honorable Mention

Natalie Hunt 7th grade
A Study of Finger Temperatures and Fingerprint Quality
 American Academy Castle Rock

Honorable Mention

Karin Smith 8th grade
Stealth Missiles??? Threat Eliminated!
 The Classical Academy Colorado Springs

Category Team Award

Stephen Haag & Chandler Smith 8th grade
Do Composite and Corked Bats Improve Play?
 Cheery Creek Challenge School Denver

**Senior
 Division Physics**

First Place

Karun Kumar Rao 11th grade
The Organization and Stability of Bouncing Oil Droplets
 Fairview High School Boulder

Second Place

Phani Gaddipati 11th grade
*Enhancing AlGa_N Based Semiconductors with Dislocation
 Analysis and Thin Film Optimization*
 Discovery Canyon High School Colorado Springs

Third Place

Caynen Hansen 9th grade
Freaky Flames
 Plainview School Sheridan Lake

Honorable Mention

Caleb Wright 9th grade
Hot or Cold?
 Wray High School Wray

Category Team Award

Tucker Leavitt & Samuel Kater 10th grade
The Effects of Ionization on Spark Energy Content II
 Animas High School Durango

Category Team Award

Dylon Merrell & Charley Adams 12th grade
Quantum Entanglement
 Meeker High School Meeker

**Junior Division
 Plant Sciences**

First Place

Ian Wilkins 8th grade
Bio Char: Modern Day Terra Preta
 Nevin Platt Middle School Boulder

Second Place

Alexandra Famiglietti 7th grade
*Say "No" to Anemia: Enhancing Iron Content in
 Vegetables*
 Cherry Creek Challenge School Denver

Third Place

Sarah Laden 7th grade
Cool Beans!
 The Classical Academy Colorado Springs

Honorable Mention

Jayden Durbin 8th grade
 Kacee Christensen 8th grade
*Effects of Animal Waste on Germination and Growth of
 Triticum aestivum*
 Otis Jr/Sr High School Otis

Honorable Mention

Samuel Allsup 6th grade
Compelling Compost
 Cortez Middle School Cortez

**Senior Division
 Plant Sciences**

First Place

Wyatt Palser 10th grade
*Investigating E. coli Colonization and Prevention on Leafy
 Produce*
 Otis Jr/Sr High School Otis

Second Place

Jordan Lestina 12th grade
*Biodiesel from Sunflowers-Phase IV: An Analysis of
 Seeding Rates, Planting Dates, Varieties, & Oil*
 Dove Creek High School Dove Creek

Third Place

Nikki Buhrdorf 11th grade
*Aspen in a State of SADness: A Statistical Analysis of the
 Decline of Populus tremuloides, Phase III*
 Hotchkiss High School Hotchkiss

Honorable Mention

Liam Jasperse-Sjolander 11th grade
*A Statistical Analysis of Allometric Size Distributions in
 Clonal and Non-Clonal Forests*
 Palmer High School Colorado Springs

Honorable Mention

Brittney McKibbon 10th grade
*Cooking Influences Potato Flavor: Comparison of Volatile
 Compounds*
 Center High School Center

2011 Colorado Science and Engineering Fair

Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

Boyu Wang	11th grade
Yichen (Astron) Liu	11th grade
Stephan Liu	10th grade
\$100, certificate	
Lakewood High School	Lakewood

Self-Sustained Desalination in Combination with Wastewater Treatment

Student Choice Awards

Johann Kailey-Steiner	6th grade
\$100, certificate	
Grant Bacon Middle School	Denver

Rocket Design: How Changing Rocket Features Affects the Height of a Rocket's Flight

Andrew Bartolo	11th grade
\$100, certificate	
Swink High School	Swink

Variable Voltages: An Experiment on the Viability of Overclocking

Poster Art Contest

Jidapa Cang-in	
\$100, certificate	
Fleming High School	Fleming

Pioneers of Science - Edwin Powell Hubble

Jessicah Wellman	7th grade
\$30, certificate	
Pagosa Springs Junior High School	Pagosa Springs

Coronal Mass Ejections

Pioneers of Science - Georges LCF Cuvier

Hannah Looman	6th grade
\$30, certificate	
Miller Middle School	Durango

Eyed Strides

Pioneers of Science - Grace Hopper

Breanna Tramp	7th grade
\$30, certificate	
Merino Jr/Sr High School	Merino

The Cube of Shame: The Use of Algorithms to Change a Rubik's Cube

Pioneers of Science - Greene Vardiman Black

Ellie Mackintosh	6th grade
\$30, certificate	
Good Shepherd Catholic School	Denver

Save Face

Pioneers of Science - James Prescott Joule

Alexander Crane	7th grade
\$30, certificate	
St. John the Evangelist Catholic School	Loveland

Storing Energy in Rubber Bands

Pioneers of Science - John Edward Salk

Reyna Ramirez	8th grade
\$30, certificate	
Pueblo School for Arts and Sciences	Pueblo

Banoratoria

Pioneers of Science - Louis Pasteur

Katelynn Moore	6th grade
\$30, certificate	
Alta Vista Charter School	Lamar

Don't Double Dip That Chip

Pioneers of Science - Luther Burbank

Samuel Allsup	6th grade
\$30, certificate	
Cortez Middle School	Cortez

Compelling Compost

Pioneers of Science - Margaret Mead

Max Clark	6th grade
\$30, certificate	
Eagle County Charter Academy	Wolcott

Math + Music; Does It Really Keep You on Track?

Pioneers of Science - Marie Curie

Montana Cook	7th grade
\$30, certificate	
Walsh Junior High School	Walsh

One Fabulous Burger

Pioneers of Science - Max Planck

Sam Raphael	7th grade
\$30, certificate	
The Classical Academy	Colorado Springs

A Light in the Dark

Pioneers of Science - Nicola Tesla

Camron Ozanic	6th grade
\$30, certificate	
Dolores Middle School	Dolores

Blast Off

Pioneers of Science - Rachel Louise Carson

Mitchell Fosdick	6th grade
\$30, certificate	
Fowler Elementary School	Fowler

Capturing the Energy

Pioneers of Science - Rosalie Edge

Wyeth Rossi 6th grade
\$30, certificate
Miller Middle School Durango
Putting the Cap on Pollution

Pioneers of Science - Sigmund Freud

Helen Duran 8th grade
\$30, certificate
Sargent Junior High School Monte Vista
First Born, First Serve

Pioneers of Science – Sir Isaac Newton

Karsten Rygh 7th grade
\$30, certificate
West Jefferson Middle School Conifer
A Revolting Experiment!

Military

United States Air Force

Air Force ROTC Award

Alex Fiel, Ryan Hawkins & Eric Miller 7th grade
certificate, computer backpack, Travis & Wells charging stand,
and Leeds Scripto flash jotter bundle set
Union Colony Preparatory School Greeley
Is the Golf Ball Effect Applicable on Model Aircraft?

John Parish IV 11th grade
certificate, computer backpack, Travis & Wells charging stand,
and Leeds Scripto flash jotter bundle set
Home School Colorado Springs
*On the Verge of Where It Wasn't: A Multi-Model Approach to
Estimation and Tracking Using Extended Kalman Filtering and
Intelligent Selection of Integrated Models*

Sean Papile 7th grade
certificate, computer backpack, Travis & Wells charging stand,
and Leeds Scripto flash jotter bundle set
Blevins Middle School Fort Collins
Counter Rotating Wind Energy

Robbie Crane 7th grade
certificate, computer backpack, Travis & Wells charging stand,
and Leeds Scripto flash jotter bundle set
The Classical Academy Colorado Springs
H₂Oil

United States Navy & United States Marine Corps

Office of Naval Research Awards

Jacob Burke 8th grade
certificate
Windsor Charter Academy Windsor
Urban Inferno: The Effects of Urbanization on Temperature

Sean Papile 7th grade
certificate
Blevins Middle School Fort Collins
Counter Rotating Wind Energy

Karin Smith 8th grade
certificate
The Classical Academy Colorado Springs
Stealth Missiles??? Threat Eliminated!

Samir Berrada 8th grade
certificate
Home School Pleasant View
*The Future of Sign Language Translation and Universal Digital
Control*

Wylie Keller 11th grade
certificate, \$75 (to be mailed later)
Monte Vista High School Monte Vista
Mathematic Modeling of the Wake Effect

Tucker Leavitt 10th grade
Samuel Kater 10th grade
certificate, \$75 (to be mailed later)
Animas High School Durango
The Effects of Ionization on Spark Energy Content II

Devon Enke 9th grade
certificate, \$75 (to be mailed later)
La Veta Jr/Sr High School La Veta
Mycorrhizal Symbiosis - Unlocking the Potential of Soil

Rachel Rossi 9th grade
certificate, \$75 (to be mailed later)
Durango High School Durango
*Mycoremediation Capabilities of Fungi as Applied to Fresh
Water*

Luis Cruz 12th grade
certificate, \$75 (to be mailed later)
Harrison High School Colorado Springs
*Electrooculography: A New Approach on a Human-Computer-
Interface*

John Parish IV 11th grade
certificate, \$75 (to be mailed later)
Home School Colorado Springs
*On the Verge of Where It Wasn't: A Multi-Model Approach to
Estimation and Tracking Using Extended Kalman Filtering and
Intelligent Selection of Integrated Models*

Timothy Lyne 10th grade
certificate, \$75 (to be mailed later)
Brush High School Brush
Sound Source Triangulation

Organizational

Air & Waste Management Association Rocky Mountain States Section

Malia Barca 8th grade
\$50
Eagle County Charter Academy Wolcott
Radioactivity: Don't Take Granite for Granted

Robbie Crane 7th grade
\$50
The Classical Academy Colorado Springs
H₂Oil

Rebecca Roskowski 11th grade
\$50
Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

Jessica Constant 10th grade
\$50
Poudre High School Fort Collins
*Computer Modeling IV: A Particulate Dispersion Model
Employing Real-Time Wind Calculations*

Rachel Rossi 9th grade
\$50
Durango High School Durango
*Mycoremediation Capabilities of Fungi as Applied to Fresh
Water*

American Association of University Women

Leslie Seitz 7th grade
\$100
Boulder Country Day School Boulder
*Running Dry? The Sequel: Creating a Hydraulic Model User
Interface*

American Chemical Society Colorado Local Section

Chaya Wurman 8th grade
\$100, certificate
Summit Middle School Boulder
Does Acidity Kill Your Glow?

Gerri Roberts 10th grade
\$100, certificate
Poudre High School Fort Collins
From Oil to Fuel

American Institute of Chemical Engineers Rocky Mountain Section

Sydney Matteson 8th grade
\$75
North Middle School Colorado Springs
*A Head's Tail: The Effects of Pharmaceutical Pollutants and
Remediation on Regeneration of Planaria*

Emma Frantz 8th grade
\$100
North Middle School Colorado Springs
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion

Kerry Betz 12th grade
\$75
Fairview High School Boulder
*Constructing a Novel Cage Molecule for Use in a Dye-Sensitized
Solar Cell*

Sara Volz 10th grade
\$100
Cheyenne Mountain High School Colorado Springs
*Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase,
an Enzymatic Factor of Lipid Production*

American Meteorological Society Denver/Boulder Chapter

Ethan Coldren 8th grade
certificate, \$50 worth of weather related paraphernalia
Preston Middle School Fort Collins
Can You Predict the Weather by Watching Birds?

Kelly Muller & Remy Barrows-O'Neal 11th grade
certificate, \$50 worth of weather related paraphernalia
New Vista High School Boulder
How Climate Affects the Spread of Invasive Species

American Statistical Association Colorado/Wyoming Chapter David Young Memorial Awards

Joshua Willis 7th grade
\$25 iTunes gift card
The Classical Academy Colorado Springs
Good Vibrations?

Aleesa Muir 7th grade
\$25 iTunes gift card
The Classical Academy Colorado Springs
*Analyzing the Deteriorating Effects of Acid Precipitation on
Natural Landscaping*

Ethan Coldren 8th grade
\$150, student membership in the American Statistical
Association, acknowledgement at the chapter spring meeting and
on chapter web site
Preston Middle School Fort Collins
Can You Predict the Weather by Watching Birds?

Soyeun Yang 11th grade
\$25 iTunes gift card
Fairview High School Boulder
Antibiotic-Resistant Bacteria

Kathryn McClain 11th grade
\$25 iTunes gift card
Fairview High School Boulder
A Study of Audio-Visual Coactivation in Noise

Braeden Horton 11th grade
Brydie Mitchell 10th grade
Kelli Buhrdorf 9th grade
\$150, student membership in the American Statistical
Association, acknowledgement at the chapter spring meeting and
on chapter web site
Hotchkiss High School Hotchkiss
*The Game of Life: A Critical Analysis of Three Taxation
Methods*

American Vacuum Society Rocky Mountain Chapter

Alexandra McKenna 8th grade
\$50, \$50 for adult sponsor
St. John the Evangelist Catholic School Loveland
The Effects of Cooling Rate on Crystal Growth

Emma Frantz 8th grade
 \$100, \$100 for adult sponsor
 North Middle School Colorado Springs
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion

Amy Lyne 12th grade
 \$50, \$50 for adult sponsor
 Brush High School Brush
Efficient Solar-Powered Hydrogen Production

Kerry Betz 12th grade
 \$100, \$100 for adult sponsor
 Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell

Kaeli Humphrey 7th grade
 \$75, achievement medal
 Genoa-Hugo School Hugo
Solar Solution! How Does the Angle of the Sun Affect a Solar Panel?

Boulder Flycasters - Trout Unlimited

Brisha Wakasugi 10th grade
 \$500 savings bond, Boulder Flycaster's hat
 Sierra Grande High School Blanca
Kerber Creek Restoration Using Phytoremediation II: Understanding the Link Between Macroinvertebrate and Water Quality

Colorado Association of Meat Processors

Jayce Tappy 12th grade
 certificate, \$60
 Merino Jr/Sr High School Merino
What If It Has All Been a Big "Fat" Lie?

Colorado Association of Science Teachers CAST Awards

Miah Pitcher 7th grade
 certificate, \$75
 Pagosa Springs Junior High School Pagosa Springs
Identification Investigation

Desarae Cruz 8th grade
 certificate, \$75
 Cesar Chavez Academy Pueblo
Xeriscape Grasses

Rebecca Roskowski 11th grade
 certificate, \$75
 Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

Nadeen Ibrahim 10th grade
 certificate, \$75
 Weldon Valley High School Weldona
Irradiation: Using Reflectivity to Improve UV

Gerald Gromko Award

Ved Topkar 11th grade
 \$150
 Fairview High School Boulder
Modeling and Measuring the Propagation of Waves Through Tissue

Colorado Biology Teachers Association

Kade Roelle 7th grade
 \$75, certificate
 Merino Jr/Sr High School Merino
Got Energy? Alertness and Activity in Madagascar Hissing Cockroaches

Nikki Buhrdorf 11th grade
 \$75, certificate
 Hotchkiss High School Hotchkiss
Aspen in a State of SADness: A Statistical Analysis of the Decline of Populus tremuloides, Phase III

American Water Works Association Rocky Mountain Section & Rocky Mountain Water Environment Association

Benjamin Rathke 7th grade
 \$200
 Union Colony Preparatory School Greeley
Nitrates and Nitrites in Different Sources of Water

Dominic Carrese 8th grade
 \$400
 North Middle School Colorado Springs
Rocky Mountain Pure? Fountain Creek's Journey Through the Pikes Peak Region

Boyu Wang 11th grade
 Yichen (Astron) Liu 11th grade
 Stephan Liu 10th grade
 \$200
 Lakewood High School Lakewood
Self-Sustained Desalination in Combination with Wastewater Treatment

Taylor Rocha 9th grade
 \$400
 Monte Vista High School Monte Vista
The Effects of Wildfire on Stream Water Quality on Medano Creek

ASM International

Ryan Pickett 7th grade
 \$100
 Eaton Middle School Eaton
Electrolysis

Joseph Campain 8th grade
 \$150
 Preston Middle School Fort Collins
Sticky Fingers: The Effects of Surface Material and Temperature on Fingerprints

Association for Women Geoscientists Laramide Chapter

Kaylee Berry 7th grade
 \$75, achievement medal
 Weld Central Junior High School Keenesburg
To the Rainbow and Back

Colorado Dental Association

Shelby Martinez 8th grade
\$50
Pueblo School for Arts and
Sweet Tooth Pueblo

Taylor Goble 8th grade
\$100
Otis Jr/Sr High School Otis
Oh My Gosh, My Teeth

John Loflin 9th grade
\$50
Springfield High School Springfield
*Brand Name vs. Generic Pain Medication: Do You Get What
You Pay For?*

Monica Gaitonde 10th grade
\$100
Lamar High School Lamar
*The Effects of Different Antibacterial Toothpastes on the Growth
of Streptococcus Mutans*

Colorado Environmental Health Association

Brian Moutoux 7th grade
\$75, framed certificate
West Jefferson Middle School Conifer
Why Be Chicken About Chicken?

Wyatt Palser 10th grade
\$150, framed certificate, invitation to exhibit at the CEHA
Annual Educational Conference (\$400 value)
Otis Jr/Sr High School Otis
*Investigating E. coli Colonization and Prevention on Leafy
Produce*

Colorado Foundation for Agriculture *Agriculture in the Classroom Awards*

Charlee Jo Teague 6th grade
\$50, certificate
Wiggins Middle School Wiggins
*The Effect of Sow Disposition on Litter Size and Number
Weaned*

Alexa Nickoloff 6th grade
\$50, certificate
St. Joseph Catholic School Fort Collins
Spice It Up!

Wyatt Palser 10th grade
\$50, certificate
Otis Jr/Sr High School Otis
*Investigating E. coli Colonization and Prevention on Leafy
Produce*

Haley Matteson 9th grade
\$50, certificate
Palmer High School Colorado Springs
*The Anti-Angiogenic Effects of Acetaminophen +H2O2 Mixture
on Tomatoes*

Colorado Geographic Alliance

Dominic Carrese 8th grade
\$100
North Middle School Colorado Springs
*Rocky Mountain Pure? Fountain Creek's Journey Through the
Pikes Peak Region*

Taylor Rocha 9th grade
\$100
Monte Vista High School Monte Vista
*The Effects of Wildfire on Stream Water Quality on Medano
Creek*

Colorado Medical Society

Kelcey Beckman 8th grade
\$100, invitation to the 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
American Academy Castle Rock
*Visual Abnormalities and the Comparison of Paper and
Computer Based Testing Using Color as the Variable*

Vishal Krishnan 9th grade
\$100, invitation to the 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
Cherry Creek High School Greenwood Village
Therapy for Atypical Teratoid/Rhabdoid Tumor

Colorado Mineral Society

Aleesa Muir 7th grade
\$25, 2 mineral specimens, book
The Classical Academy Colorado Springs
*Analyzing the Deteriorating Effects of Acid Precipitation on
Natural Landscaping*

Samantha Staynings 8th grade
\$40, 2 mineral specimens, book
Summit Middle School Boulder
Growth and Sound: Frequencies in Relation with Crystals

Rebecca Roskowski 11th grade
\$25, 2 mineral specimens, book
Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

Sophia Schneider 9th grade
\$40, 2 mineral specimens, book
Palmer High School Colorado Springs
*Can Geosequestration and Geothermal Energy Work Together?
Enhanced Geothermal Systems Using CO2*

Colorado Scientific Society

Alexandra McKenna 8th grade
\$50
St. John the Evangelist Catholic School Loveland
The Effects of Cooling Rate on Crystal Growth

Aleesa Muir 7th grade
\$75
The Classical Academy Colorado Springs
*Analyzing the Deteriorating Effects of Acid Precipitation on
Natural Landscaping*

Taylor Rocha 9th grade
\$75
Monte Vista High School Monte Vista
The Effects of Wildfire on Stream Water Quality on Medano Creek

Rebecca Roskowski 11th grade
\$100
Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

**Colorado State University
Dept. of Biochemistry & Molecular Biology**

Sara Volz 10th grade
\$100 (to be mailed)
Cheyenne Mountain High School Colorado Springs
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase, an Enzymatic Factor of Lipid Production

**Colorado State University
Department of Chemistry Awards**

Megan Mosey 8th grade
\$100 (to be mailed), certificate
West Jefferson Middle School Conifer
Orange You Glad You Ate Them While They Were Fresh?

Kerry Betz 12th grade
\$100 (to be mailed), certificate
Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell

**Colorado State University
Dept. of Horticulture & Landscape Architecture**

Alexandra Famiglietti 7th grade
\$100 (to be mailed), certificate
Cherry Creek Challenge School Denver
Say "No" to Anemia: Enhancing Iron Content in Vegetables

Brooke Mitchell 7th grade
\$100 (to be mailed), certificate
Sargent Junior High School Monte Vista
Hot Potato

Haley Matteson 9th grade
\$100 (to be mailed), certificate
Palmer High School Colorado Springs
The Anti-Angiogenic Effects of Acetaminophen +H2O2 Mixture on Tomatoes

Wyatt Palser 10th grade
\$100 (to be mailed), certificate
Otis Jr/Sr High School Otis
Investigating E. coli Colonization and Prevention on Leafy Produce

Innovations in the Science of Agriculture Awards

Wyatt Palser 10th grade
Otis Jr/Sr High School Otis
Investigating E. coli Colonization and Prevention on Leafy Produce

Ian Wilkins 8th grade
Nevin Platt Middle School Boulder
Bio Char: Modern Day Terra Preta

**Colorado Veterinary Medical Association &
CVMS Auxiliary**

Charlee Jo Teague 6th grade
\$50 from CVMA, \$50 from CVMA Auxiliary
Wiggins Middle School Wiggins
The Effect of Sow Disposition on Litter Size and Number Weaned

Bailey Palmer 10th grade
\$50 from CVMA, \$50 from CVMA Auxiliary
West Grand High School Kremmling
Gene Seeker

Colorado-Wyoming Society of American Foresters

Ian Wilkins 8th grade
\$100 savings bond
Nevin Platt Middle School Boulder
Bio Char: Modern Day Terra Preta

Liam Jasperse-Sjolander 11th grade
\$100 savings bond
Palmer High School Colorado Springs
A Statistical Analysis of Allometric Size Distributions in Clonal and Non-Clonal Forests

**Comstock Family
Heather Comstock Memorial Award**

Harraz MohdReza 12th grade
\$150
Union Colony Preparatory School Greeley
Year Two: Immunocytochemical Characterization of Mouse Brain Explants in an In Vitro Model of Schizophrenia

Division of Reclamation Mining and Safety

Samuel Allsup 6th grade
certificate, \$75 (to be mailed)
Cortez Middle School Cortez
Compelling Compost

Rebecca Roskowski 11th grade
certificate, \$75 (to be mailed)
Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

Eppler Family

Samir Berrada 8th grade
Microprocessor kit and digital multimeter (valued at ~\$100)
Home School Pleasant View
The Future of Sign Language Translation and Universal Digital Control

Sarah Kimball 8th grade
Microprocessor kit and digital multimeter (valued at ~\$100)
Challenger Middle School Colorado Springs
Sensors for the Blind

Fort Collins Conservation District

Nathan Witt 8th grade
plaque, \$50
Flagler Junior High School Flagler
To Nail or Not to Nail

Taylor Rocha 9th grade
plaque, \$50
Monte Vista High School Monte Vista
The Effects of Wildfire on Stream Water Quality on Medano Creek

Frank Armbruster Foundation Charles Armbruster Memorial Award

Camron Ozanic 6th grade
\$100
Dolores Middle School Dolores
Blast Off

Hands and Minds, Inc.

John Sherry 12th grade
Anatomy in Clay Learning Systems tuition scholarship (\$200 value)
Fairview High School Boulder
Innate Human Reactions to Running Barefoot

Alexis Shinn 10th grade
Anatomy in Clay Learning Systems tuition scholarship (\$200 value)
Merino Jr/Sr High School Merino
The Correlation Between the Menstrual Cycle and Female Anterior Cruciate Ligament Injuries

Lah Say Wah 12th grade
Anatomy in Clay Learning Systems tuition scholarship (\$200 value)
Hinkley High School Aurora
Jackson Lab Experience: Non-Classical Estrogen Signaling Model of Endometrial Cancer

Vishal Krishnan 9th grade
Anatomy in Clay Learning System model, tuition scholarship & DVD (\$600 value)
Cherry Creek High School Greenwood Village
Therapy for Atypical Teratoid/Rhabdoid Tumor

Human Factors and Ergonomics Society, Rocky Mountain Chapter

Chloe Weeks 7th grade
\$100
The Classical Academy Colorado Springs
OMG: Texting While Driving: It's g2g

Institute of Electrical and Electronic Engineers, High Plans Section

Samir Berrada 8th grade
\$100
Home School Pleasant View
The Future of Sign Language Translation and Universal Digital Control

Ved Topkar 11th grade
\$150
Fairview High School Boulder
Modeling and Measuring the Propagation of Waves Through Tissue

Little Shop of Physics

Matthew McCausland Memorial Awards

Aiden Colton 8th grade
\$100
Turner Middle School Berthoud
Generator Wire Gauge Efficiency

Luis Cruz 12th grade
\$100
Harrison High School Colorado Springs
Electrooculography: A New Approach on a Human-Computer-Interface

Lockheed Martin

Johann Kailey-Steiner 6th grade
\$50
Grant Beacon Middle School Denver
Rocket Design: How Changing Rocket Features Affects the Height of a Rocket's Flight?

Kerry Betz 12th grade
\$100
Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell

MWH Americas, Inc.

Sustainable Future Awards

Sean Papile 7th grade
plaque, cash award
Blevins Middle School Fort Collins
Counter Rotating Wind Energy

Morgan Felix 8th grade
plaque, cash award
Olathe Middle/High School Olathe
Catch a Wave!

Sara Volz 10th grade
plaque, cash award
Cheyenne Mountain High School Colorado Springs
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase, an Enzymatic Factor of Lipid Production

Boyu Wang 11th grade
Yichen (Astron) Liu 11th grade
Stephan Liu 10th grade
plaque, cash award
Lakewood High School Lakewood
Self-Sustained Desalination in Combination with Wastewater Treatment

National Geophysical Data Center

Aleesa Muir 7th grade
\$100 savings bond (to be mailed), certificate
The Classical Academy Colorado Springs
Analyzing the Deteriorating Effects of Acid Precipitation on Natural Landscaping

Optical Society of America Rocky Mountain Section

Sam Raphael 7th grade
framed certificate, 1-year subscription to Discover magazine
The Classical Academy Colorado Springs
A Light in the Dark

Phani Gaddipati 11th grade
framed certificate, 1-year subscription to Discover magazine
Discovery Canyon High School Colorado Springs
Enhancing AlGaN Based Semiconductors with Dislocation Analysis and Thin Film Optimization

Rawat Family

Champion of Scientific Innovation Awards

Kaeli Humphrey & Will Mallory 7th grade
\$100 savings bond, engraved trophy cup, backpack water bottle w/engraved plate, certificate and \$50 savings bond, engraved desk plaque, certificate for student's teacher
Genoa-Hugo School Hugo
Solar Solution! How Does the Angle of the Sun Affect a Solar Panel?

Drew Schendel & Carlye Armstrong 7th grade
\$100 savings bond, engraved trophy cup, backpack water bottle w/engraved plate, certificate and \$50 savings bond, engraved desk plaque, certificate for student's teacher
Merino Jr/Sr High School Merino
Rule the Radiation: The Effect of Cell Phone Radiation on Lumbriculus variegatus

Rio Tinto Minerals, Inc.

Skylar Jaramillo 6th grade
\$50
La Junta Intermediate School La Junta
Powerful Polymers

Kylee Kuntz 7th grade
\$100
Otis Jr/Sr High School Otis
A Drop in Time

Erik Travis 12th grade
\$50
Akron High School Akron
Engineered Insulation

Gerri Roberts 10th grade
\$100
Poudre High School Fort Collins
From Oil to Fuel

Rocky Mountain Association of Geologists

Aleesa Muir 7th grade
cash awards to be determined and mailed to the student later
The Classical Academy Colorado Springs
Analyzing the Deteriorating Effects of Acid Precipitation on Natural Landscaping

Malia Barca 8th grade
cash awards to be determined and mailed to the student later
Eagle County Charter Academy Wolcott
Radioactivity: Don't Take Granite for Granted

Burke Larsen 12th grade
cash awards to be determined and mailed to the student later
Brush High School Brush
Killer Water: An Investigation into the Lethal Lake Nyos

Sophia Schneider 9th grade
cash awards to be determined and mailed to the student later
Palmer High School Colorado Springs
Can Geosequestration and Geothermal Energy Work Together? Enhanced Geothermal Systems Using CO2

SACNAS Colorado State University Chapter

Austin Dikeman & Claire McGettigan-Fries 8th grade
\$50
Pueblo School for Arts and Sciences Pueblo
Fluorescent Reactions Under Ultraviolet Light in Dianthus caryophyllus and Apium graveolens

Khoa Nguyen 8th grade
\$50
Cheery Creek Challenge School Denver
Planarian Stem Cell: Memory Copying

Elise Niedringhaus 8th grade
\$50
Blevins Middle School Ft. Collins
Can Calculators Calculate Correctly?

Isabelle Fries 7th grade
\$50
Stanley British Primary School Denver
Swimming with the Drag

Theo Kurtzer 10th grade
\$50
Merino Jr/Sr High School Merino
Methane Mystery

Tara Sowrirajan 11th grade
\$50
Cherry Creek High School Greenwood Village
Harvesting Waste Kinetic Energy Through Footwear for Therapeutic Use

Harraz MohdReza 12th grade
\$50
Union Colony Preparatory School Greeley
Year Two: Immunocytochemical Characterization of Mouse Brain Explants in an In Vitro Model of Schizophrenia

Joshua Phillips

12th grade

\$50

Monte Vista High School

Monte Vista

Cool Energy: Increasing Solar Array Efficiency

Science Toy Magic, LLC

Caynen Hansen 9th grade
\$25
Plainview School Sheridan Lake
Freaky Flames

Dylon Merrell 12th grade
Charley Adams 12th grade
\$50
Meeker High School Meeker
Quantum Entanglement

Society for Mining, Metallurgy and Exploration, Colorado Section

Alexandra McKenna 8th grade
\$100, plaque
St. John the Evangelist Catholic School Loveland
The Effects of Cooling Rate on Crystal Growth

Anne Mummery & Elizabeth Gervais 7th grade
\$200, plaque
Miller Middle School Durango
Spilled: A Study of Oil Spill Dispersants and Their Toxicity to Marine Life

Boyu Wang 11th grade
Yichen (Astron) Liu 11th grade
Stephan Liu 10th grade
\$100, plaque
Lakewood High School Lakewood
Self-Sustained Desalination in Combination with Wastewater Treatment

Brisha Wakasugi 10th grade
\$200, plaque
Sierra Grande High School Blanca
Kerber Creek Restoration Using Phytoremediation II: Understanding the Link Between Macroinvertebrate and Water Quality

Society of Manufacturing Engineers Colorado Chapter 354

Phani Gaddipati 11th grade
scholarship award of \$100
Discovery Canyon High School Colorado Springs
Enhancing AlGaN Based Semiconductors with Dislocation Analysis and Thin Film Optimization

Emma Frantz 8th grade
scholarship award of \$150
North Middle School Colorado Springs
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion

Erik Travis 12th grade
scholarship award of \$200
Akron High School Akron
Engineered Insulation

Society of Women Engineers Rocky Mountain Section

Emma Frantz 8th grade
\$75, certificate
North Middle School Colorado Springs
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion

Kendra Frieden 7th grade
\$100, certificate
The Classical Academy Colorado Springs
Pivotal Decisions in Solar Energy

Jessica Constant 10th grade
\$75, certificate
Poudre High School Fort Collins
Computer Modeling IV: A Particulate Dispersion Model Employing Real-Time Wind Calculations

Kerry Betz 12th grade
\$100, certificate
Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in a Dye-Sensitized Solar Cell

SPIE

The International Society for Optics and Photonics

Nicolai Lopez-Butynski 6th grade
\$100 (to be mailed)
Goodnight Elementary School Pueblo
Lights Out: Does Temperature Affect the Glow Rate of a Light Stick?

Sam Raphael 7th grade
\$150 (to be mailed)
The Classical Academy Colorado Springs
A Light in the Dark

Olivia Eppler 8th grade
\$250 (to be mailed)
Turner Middle School Berthoud
Dye Sensitized Solar Cells

Luis Cruz 12th grade
\$100 (to be mailed)
Harrison High School Colorado Springs
Electrooculography: A New Approach on a Human-Computer-Interface

Phani Gaddipati 11th grade
\$150 (to be mailed)
Discovery Canyon High School Colorado Springs
Enhancing AlGaN Based Semiconductors with Dislocation Analysis and Thin Film Optimization

Amy Lyne 12th grade
\$250 (to be mailed)
Brush High School Brush
Efficient Solar-Powered Hydrogen Production

The Inventors' Roundtable

Garrett Crownover 12th grade
\$100, free patent search (\$499 value)
Plainview School Sheridan Lake
Wind, Does It Power YOUR Car?

United States Department of Commerce

Ambrose Soehn 12th grade
alternate for the opportunity for summer employment with the
Department of Commerce
Boulder High School Boulder
*Those Notes in Your Head: A Psychological Comparison
Between Audible and Imagined Sound*

Kerry Betz 12th grade
opportunity for summer employment with the Department of
Commerce with the possibility for future employment
Fairview High School Boulder
*Constructing a Novel Cage Molecule for Use in a Dye-Sensitized
Solar Cell*

United States Geological Survey

USGS Awards

Malia Barca 8th grade
reference book, mineral specimen
Eagle County Charter Academy Wolcott
Radioactivity: Don't Take Granite for Granted

Taylor Rocha 9th grade
reference book, mineral specimen
Monte Vista High School Monte Vista
*The Effects of Wildfire on Stream Water Quality on Medano
Creek*

USGS Excellence in Water Resources Research Award

Jeffrey Hibbert 12th grade
\$75, certificate
Lone Star High School Otis
*Agonistic and Cellular Analysis of Atrazine-Induced Hormone
Imbalance*

University of Colorado Denver

Medical Scientist Training Program Awards

Alexis Shinn 10th grade
\$50
Merino Jr/Sr High School Merino
*The Correlation Between the Menstrual Cycle and Female
Anterior Cruciate Ligament Injuries*

Harraz MohdReza 12th grade
\$50
Union Colony Preparatory School Greeley
*Year Two: Immunocytochemical Characterization of Mouse
Brain Explants in an In Vitro Model of Schizophrenia*

University of Northern Colorado

MAST Institute Awards

Breanna Tramp 7th grade
\$50
Merino Jr/Sr High School Merino
*The Cube of Shame: The Use of Algorithms to Change a Rubik's
Cube*

Tara Sowrirajan 11th grade
\$50
Cherry Creek High School Greenwood Village
*Harvesting Waste Kinetic Energy Through Footwear for
Therapeutic Use*

Wojtaszek Family

Paul Wojtaszek Memorial Award

Vishal Krishnan 9th grade
\$300
Cherry Creek High School Greenwood Village
Therapy for Atypical Teratoid/Rhabdoid Tumor

Xcel Energy

Environmental Stewardship Awards

Sean Papile 7th grade
\$50
Blevins Middle School Fort Collins
Counter Rotating Wind Energy

Garrett Crownover 12th grade
\$100
Plainview School Sheridan Lake
Wind, Does It Power YOUR Car?

Innovation in Energy Awards

Josh Anders & Quintin Day 8th grade
\$50
Mount Garfield Middle School Clifton
Ghost-Busters

Jordan Lestina 12th grade
\$100
Dove Creek High School Dove Creek
*Biodiesel from Sunflowers-Phase IV: An Analysis of Seeding
Rates, Planting Dates, Varieties, & Oil Content*

Yale University Science and Engineering Association

Karun Kumar Rao 11th grade
certificate, pewter medallion (to be mailed)
Fairview High School Boulder
The Organization and Stability of Bouncing Oil Droplets

Zonta Club of Boulder County

Amelia Earhart Award

Alyssa Benine & Autum Valdez 6th grade
\$100
Peakview School Walsenburg
Balloon Rockets

Scholarships

Adams State College

Adams State College Scholarships

Nakayla Lestina 11th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Dove Creek High School Dove Creek
Biological Control of Tamarisk, Phase II: Diorhabda Elongata - Adults vs. Larvae

Diane Schulze 11th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Cherry Creek High School Greenwood Village
The Effects of Early School Start Times on Student Performance

John Cheslock 9th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Sargent High School Monte Vista
Optimizing the Measurement Sensitivity of H2O2 with FDA Blue #1 for the Detection of New Generation Explosives

Sophia Schneider 9th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Palmer High School Colorado Springs
Can Geosequestration and Geothermal Energy Work Together? Enhanced Geothermal Systems Using CO2

Grant Yowell 9th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Genoa-Hugo School Hugo
The Effect of Windmill Blade Depth on Sound Pressure

Luis Cruz 12th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Harrison High School Colorado Springs
Electrooculography: A New Approach on a Human-Computer-Interface

Taylor L'Heureux 12th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Brush High School Brush
Mycoremediation: The Effect of Mycelium Growth on Levels of Petroleum Hydrocarbons in Soil

John Parish IV 11th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Home School Colorado Springs
On the Verge of Where It Wasn't: A Multi-Model Approach to Estimation and Tracking Using Extended Kalman Filtering and Intelligent Selection of Integrated Models

Alexis Shinn 10th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Merino Jr/Sr High School Merino
The Correlation Between the Menstrual Cycle and Female Anterior Cruciate Ligament Injuries

Clark Cranfill 11th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Sargent High School Monte Vista
To Exist, It Must Resist

Tanner Dunivan 10th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Walsh Senior High School Walsh
Go Ahead Shoot Me: It's Safer Than It Looks

Nikki Buhrdorf 11th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)
Hotchkiss High School Hotchkiss
Aspen in a State of SADness: A Statistical Analysis of the Decline of Populus tremuloides, Phase III

Braeden Horton 11th grade
Brydie Mitchell 10th grade
Kelli Buhrdorf 9th grade
equivalent to one-year resident tuition and fees (approximately \$5,000)

Hotchkiss High School Hotchkiss
The Game of Life. A Critical Analysis of Three Taxation Methods

Colorado School of Mines

Colorado School of Mines Scholarships

Wylie Keller 11th grade
\$1,000 renewable undergraduate scholarship
Monte Vista High School Monte Vista
Mathematic Modeling of the Wake Effect

Andrew Bartolo 11th grade
\$1,000 renewable undergraduate scholarship
Swink High School Swink
Variable Voltages: An Experiment on the Viability of Overclocking

Rebecca Roskowski 11th grade
\$1,000 renewable undergraduate scholarship
Grand Junction High School Grand Junction
Reclamation and Revegetation of Spent Oil Shale

John Parish IV 11th grade
\$1,000 renewable undergraduate scholarship
Home School Colorado Springs
On the Verge of Where It Wasn't: A Multi-Model Approach to Estimation and Tracking Using Extended Kalman Filtering and Intelligent Selection of Integrated Models

Karun Kumar Rao 11th grade
\$1,000 renewable undergraduate scholarship
Fairview High School Boulder
The Organization and Stability of Bouncing Oil Droplets

Colorado State University

College of Natural Sciences Scholarships

Sara Volz 10th grade
\$1,000 tuition scholarship to attend CSU
Cheyenne Mountain High School Colorado Springs
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase,

an Enzymatic Factor of Lipid Production

John Parish IV 11th grade
 \$1,000 tuition scholarship to attend CSU
 Home School Colorado Springs
On the Verge of Where It Wasn't: A Multi-Model Approach to Estimation and Tracking Using Extended Kalman Filtering and Intelligent Selection of Integrated Models

Kerry Betz 12th grade
 \$1,000 tuition scholarship to attend CSU
 Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in Dye-Sensitized Solar Cells

Colorado State University Scholarships

Bailey Palmer 10th grade
 \$1,000 tuition scholarship to attend CSU
 West Grand High School Kremmling
Gene Seeker

Ambrose Soehn 12th grade
 \$1,000 tuition scholarship to attend CSU
 Boulder High School Boulder
Those Notes in Your Head: A Psychological Comparison Between Audible and Imagined Sound

Kerry Betz 12th grade
 \$1,000 tuition scholarship to attend CSU
 Fairview High School Boulder
Constructing a Novel Cage Molecule for Use in Dye-Sensitized Solar Cells

Sophia Schneider 9th grade
 \$1,000 tuition scholarship to attend CSU
 Palmer High School Colorado Springs
Can Geosequestration and Geothermal Energy Work Together? Enhanced Geothermal Systems Using CO₂

Sara Volz 10th grade
 \$1,000 tuition scholarship to attend CSU
 Cheyenne Mountain High School Colorado Springs
Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase, an Enzymatic Factor of Lipid Production

Erik Travis 10th grade
 \$1,000 tuition scholarship to attend CSU
 Akron High School Akron
Engineered Insulation

Jeffrey Hibbert 12th grade
 \$1,000 tuition scholarship to attend CSU
 Lone Star High School Otis
Agnostic and Cellular Analysis of Atrazine-Induced Hormone Imbalance

John Parish IV 11th grade
 \$1,000 tuition scholarship to attend CSU
 Home School Colorado Springs
On the Verge of Where It Wasn't: A Multi-Model Approach to Estimation and Tracking Using Extended Kalman Filtering and Intelligent Selection of Integrated Models

Alexis Shinn 10th grade
 \$1,000 tuition scholarship to attend CSU
 Merino Jr/Sr High School Merino
The Correlation Between the Mentrual Cycle and Female Anterior Cruciate Ligament Injuries

Soyeun Yang 11th grade
 \$1,000 tuition scholarship to attend CSU
 Fairview High School Boulder
Synthesis and Use of Gold Nanoparticle Therapeutics in Antibiotic-Resistant Bacteria

Karun Kumar Rao 11th grade
 \$1,000 tuition scholarship to attend CSU
 Fairview High School Boulder
The Organization and Stability of Bouncing Oil Droplets

Wyatt Palsler 10th grade
 \$1,000 tuition scholarship to attend CSU
 Otis Jr/Sr High School Otis
Investigating E. coli Colonization and Prevention on Leafy Produce

Fort Lewis College

Fort Lewis College Scholarships

Vikash Hypio 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Hotchkiss High School Hotchkiss
Voting Systems: An Outcome Analysis Phase 3

Soyeun Yang 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Fairview High School Boulder
Synthesis and Use of Gold Nanoparticle Therapeutics in Antibiotic-Resistant Bacteria

Victoria Milano 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Brush High School Brush
Using Asian Clams as a Biodindicator to Assess the Health of a River System

Andrew Bartolo 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Swink High School Swink
Variable Voltages: An Experiment on the Viability of Overclocking

Boyu Wang 11th grade
 Yichen (Astron) Liu 11th grade
 Stephan Liu 10th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Lakewood High School Lakewood
Self-Sustained Desalination in Combination with Wastewater Treatment

Benjamin Ribovich 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Cherry Creek High School Greenwood Village
Tangent and Secant Spaces

Clark Cranfill 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Sargent High School Monte Vista
To Exist, It Must Resist

Nikki Buhrdorf 11th grade
 \$1,500 renewable tuition scholarship (up to 4 years)
 Hotchkiss High School Hotchkiss
Aspen in a State of SADness: A Statistical Analysis of the Decline of Populus tremuloides, Phase III

Propst Scholarships

Propst Medicine & Health Scholarship

Nikki Schmidt 12th grade
\$1,000 nonrenewable scholarship to school of choice
Merino Jr/Sr High School Merino
*The Effects of Lipid Production on Caenorhabditis elegans by
the Inhibition of the Gene IKKE*

Propst Moving Science Forward Scholarships

Sara Volz 10th grade
\$1,000 nonrenewable scholarship to school of choice
Cheyenne Mountain High School Colorado Springs
*Enhancing Algae Biofuels Phase II: Stress Analysis of ACCase,
an Enzymatic Factor of Lipid Production*

John Parish IV 11th grade
\$1,000 nonrenewable scholarship to school of choice
Home School Colorado Springs
*On the Verge of Where It Wasn't: A Multi-Model Approach to
Estimation and Tracking Using Extended Kalman Filtering and
Intelligent Selection of Integrated Models*

Intel Foundation

Ryan Patterson Scholarship

Kerry Betz 12th grade
\$2,000 nonrenewable scholarship to school of choice
Fairview High School Boulder
*Constructing a Novel Cage Molecule for Use in a Dye-Sensitized
Solar Cell*

Intel Foundation

Teacher of the Year Award

Daniel Newmyer
\$3,000 grant – sponsored by Lockheed Martin
Center High School Center

Professional Association of Colorado Educators

Elizabeth Drozda-Freeman
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Summit Middle School Boulder

Heidi Berrada
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Home School Pleasant View

Greg Busby
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
North Middle School Colorado Springs

Diana Wright
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Miller Middle School Durango

Pattye Volz
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011

Maureen Parish
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Home School Colorado Springs

Helen Petach
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Fairview High School Boulder

Robert Dorsett
scholarship to attend a Space Foundation professional
development workshop of choice during summer 2011
Meeker High School Meeker

Society for Science & the Public

American Psychological Association

Achievement in Psychological Science Award

Kathryn McClain 11th grade
certificate
Fairview High School Boulder
A Study of Audio-Visual Coactivation in Noise

Broadcom MASTERS

Charlee Jo Teague 6th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Wiggins Middle School Wiggins
*The Effect of Sow Disposition on Litter Size and Number
Weaned*

Caitlyn Lee 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Summit Middle School Boulder
*Who Am I? The Effect of Age on the Relationship Between One's
Self and Reflected Appraisals*

Chaya Wurman 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Summit Middle School Boulder
Does Acidity Kill Your Glow?

Aleesa Muir 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
The Classical Academy Colorado Springs
*Analyzing the Deteriorating Effects of Acid Precipitation on
Natural Landscaping*

Evan Savage 6th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Boulder Country Day School Boulder
Improving Train Aerodynamics

Samir Berrada 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Home School Pleasant View
*The Future of Sign Language Translation and Universal Digital
Control*

Dominic Carrese 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
North Middle School Colorado Springs
*Rocky Mountain Pure? Fountain Creek's Journey Through the
Pikes Peak Region*

Leslie Seitz 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Boulder Country Day School Boulder
*Running Dry? The Sequel: Creating a Hydraulic Model User
Interface*

Kelcey Beckman 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
American Academy Castle Rock
*Visual Abnormalities and the Comparison of Paper and
Computer Based Testing Using Color as the Variable*

Alex Miller 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
The Classical Academy Colorado Springs
Beat the Bacteria

Emma Frantz 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
North Middle School Colorado Springs
Does It Stick? Viscosity's Affect on Liquid Mediated Adhesion

Ian Wilkins 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Nevin Platt Middle School Boulder
Bio Char: Modern Day Terra Preta

Ethan Coldren 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Preston Middle School Fort Collins
Can You Predict the Weather by Watching Birds?

Lily Harris 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Challenger Middle School Colorado Springs
*A Risky Experiment: Does Your Grandpa Know More Than You
Do About Risk?*

Leo Brasuel 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
North Middle School Colorado Springs
Microwaving: The Right Choice?

Kendra Frieden 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
The Classical Academy Colorado Springs
Pivotal Decisions in Solar Energy

Michael Arrasmith 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
The Classical Academy Colorado Springs
Up, Up, and Away

Leighton Burt 6th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Sargent Junior High School Monte Vista
Regular vs. Goofy. Evaluating Footedness

Teisha Coffield 8th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Lone Star Junior High School Otis
*Persnickety Paramecium: Using P. caudatum as a Biosensor for
Estrogen*

Ellie Mackintosh 6th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Good Shepherd Catholic School Denver
Save Face

Kelsey Lindbloom 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Salida Middle School Salida
Kitchen Wars

Alexandra Famiglietti 7th grade
nomination to compete in the Broadcom Masters competition for
2011 - entry deadline is June 10th
Cherry Creek Challenge School Denver
Say "No" to Anemia: Enhancing Iron Content in Vegetables

Intel Corporation

Excellence in Computer Science Award

John Parish IV 11th grade
certificate, \$200 (to be mailed later)
Home School Colorado Springs
*On the Verge of Where It Wasn't: A Multi-Model Approach to
Estimation and Tracking Using Extended Kalman Filtering and
Intelligent Selection of Integrated Models*

National High School & Two-Year College

Mathematics Honor Society

Mu Alpha Theta Award

Cissy Chen 11th grade
certificate
Fairview High School Boulder
Prime Numbers and the Cyclicity of Groups of Units

National Oceanic & Atmospheric Administration

Taking the Pulse of the Planet Award

Jessica Constant 10th grade
certificate, medallion
Poudre High School Fort Collins
*Computer Modeling IV: A Particulate Dispersion Model
Employing Real-Time Wind Calculations*

National Society of Professional Engineers
Innovative Engineering Award

Tara Sowrirajan 11th grade
certificate, lapel pin
Cherry Creek High School Greenwood Village
*Harvesting Waste Kinetic Energy Through Footwear for
Therapeutic Use*

Ricoh

Ricoh Sustainability Development Award

Garrett Crownover 12th grade
certificate
Plainview School Sheridan Lake
Wind, Does It Power YOUR Car?

Society for In Vitro Biology

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

Clark Cranfill 11th grade
certificate
Sargent High School Monte Vista
To Exist, It Must Resist

United States Metric Association

Best Use of the International System of Units Award

Brisha Wakasugi 10th grade
certificate
Sierra Grande High School Blanca
*Kerber Crekke Restoration Using Phytoremediation II:
Understanding the Link Between Macroinvertebrates and Water
Quality*