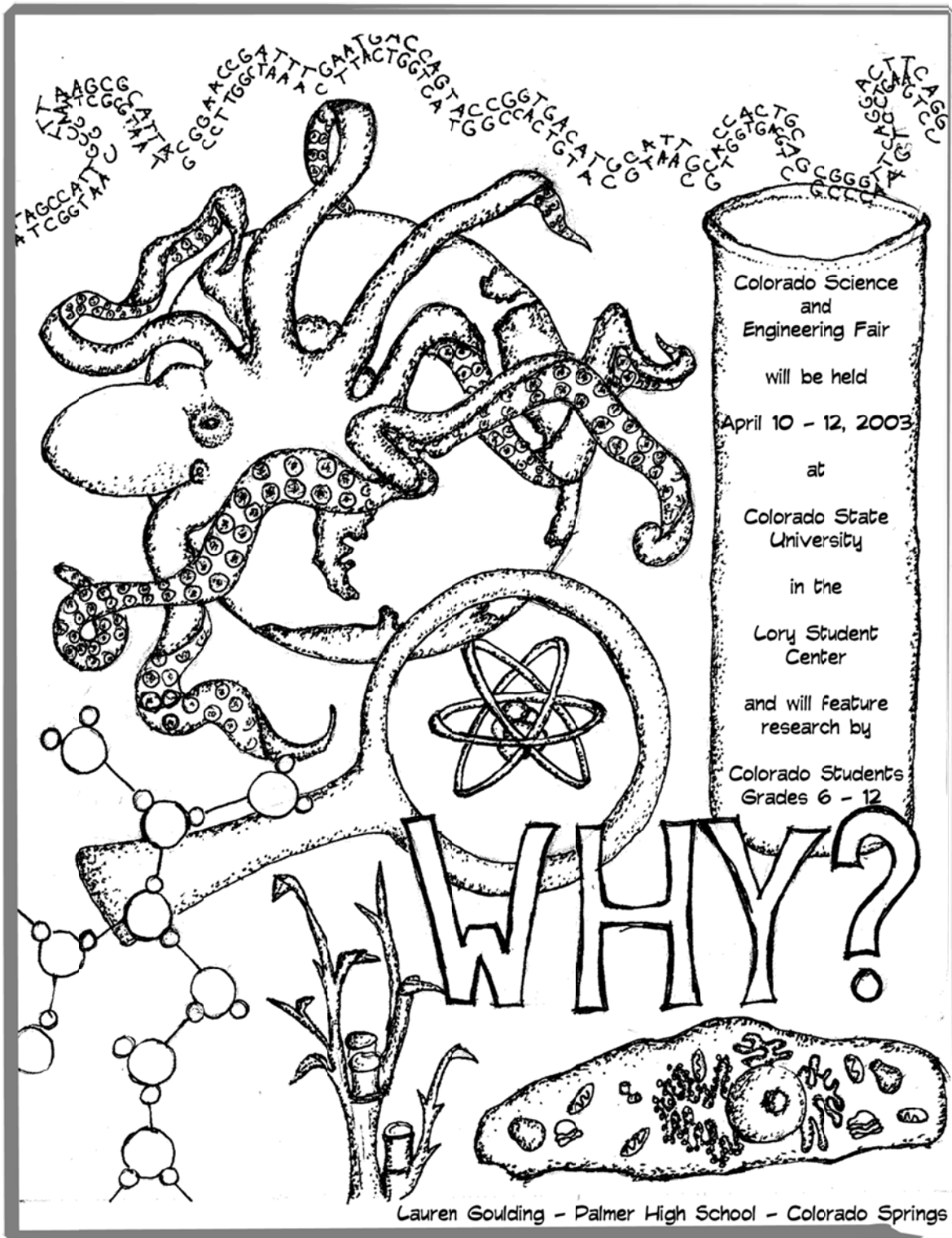


Press Release



2003 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division Best Individual Projects

1st Place	
Meredith MacGregor	8th grade
<i>Dropping into Chaos</i>	
Burbank Middle School	Boulder
2nd Place	
Timothy Schneider	7th grade
<i>Can You Hear Me?</i>	
Miller Middle School	Durango
3rd Place	
Adreanne Brungardt	8th grade
<i>A Possible Mechanism for Explaining the Lake Nyos Tragedy</i>	
Brush Middle School	Brush

Senior Division Best Individual Projects

1st Place	
Jennifer McDonough	9th grade
<i>Cruciferous Platyhelminthes</i>	
Palmer High School	Colorado Springs
2nd Place	
Lauren Smith	10th grade
<i>Xanthomonas campestris pv. Vesicatoria: A Study of The Relationship Between Extra-Cellular Material & Heightened Host Response</i>	
Rampart High School	Colorado Springs
3rd Place	
Lisa Saccomano	11th grade
<i>Abnormal Otic Invagination with Possible Associations to OAV Spectrum</i>	
Cherry Creek High School	Greenwood Village

Junior Division Best Team Projects

1st Place	
Andy Ralston & Josh King	8th grade
<i>Bouncing Light</i>	
Bookcliff Middle School	Grand Junction
2nd Place	
Brian Russell & Vincent Rouse	7th grade
<i>Bac In The Dish</i>	
St. Mary's School	Littleton
3rd Place	
Natalia Wilkins	8th grade
Sarah Cornish	7th grade
<i>Gravity vs. Velocity</i>	
Ricks Center for Gifted Students	Denver

Senior Division Best Team Projects

1st Place	
Andrew Leifer, Raymund To & David Pothier	12th grade
<i>Fractals, Power-Laws, and the Weibull Distribution: Mathematically Modeling Crumpled Paper</i>	
Fairview High School	Boulder
2nd Place	
Brad Engel & Brian Henning	10th grade
<i>Ramifications of Temperature Fluctuations and Thrombolytic Enzymes</i>	
Cherry Creek High School	Greenwood Village
3rd Place	
Levi Klausner	12th grade
Harold Klausner	9th grade
<i>Wheat Variety Response to Drought</i>	
Woodlin School	Woodrow

Junior Division Botany

1st Place	
Michaela Kaiser	8th grade
<i>How Fast Is the Clock Ticking? Titer vs. Time</i>	
Sargent Junior High School	Monte Vista
2nd Place	
Ashley Wilkinson	7th grade
<i>Got Water?</i>	
Timberview Middle School	Colorado Springs
3rd Place	
Jason Pope	6th grade
<i>Hydroponics vs. Soil</i>	
Fort Lupton Middle School	Fort Lupton
Honorable Mention	
Amber Widgery	7th grade
<i>To Grow or Not to Grow</i>	
Haxtun Middle School	Haxtun
Honorable Mention	
Lydia Van Deraa	8th grade
<i>Corn Emergence</i>	
Yuma Middle School	Yuma
Honorable Mention	
Stephen Ben Majed	6th grade
<i>Survival of the Fittest</i>	
Fort Lupton Middle School	Fort Lupton

**Senior Division
Botany**

1st Place

Lauren Smith 10th grade
*Xanthomonas campestris pv. Vesicatoria: A Study of The
Relationship Between Extra-Cellular Material &
Heightened Host Response*
Rampart High School Colorado Springs

2nd Place

Tom Herter 10th grade
*Hylemya sp.'s Effects on Fitness of Polemonium
foliosissimum*
Meeker High School Meeker

3rd Place

Heather Messick 11th grade
*The Effects of Seed Treatments in Tuberization of
Potatoes*
Sargent High School Monte Vista

Team Award

Levi Klausner 12th grade
Harold Klausner 9th grade
Wheat Variety Response to Drought
Woodlin School Woodrow

Honorable Mention

Linell Griffin 10th grade
*Dead or Dormant? The Effects of Herbicides on
Convolvulus arvensis*
Walsh Jr/Sr High School Walsh

**Junior Division
Chemistry**

1st Place

Justin Garoutte 7th grade
The Milky Way
Centauri Middle School La Jara

2nd Place

KJ Ward 8th grade
Does Your Drink Have the Kick of Carbonation?
Genoa-Hugo School Hugo

3rd Place

Lauren Butero 8th grade
Up In Smoke - Flammability Testing Children's
Bayfield Middle School Bayfield

Honorable Mention

Leah Flink 8th grade
What Color Was the Black Ink?
Turner Middle School Berthoud

**Senior Division
Chemistry**

1st Place

Tyler Keck 9th grade
*The Super Absorber: Using Sodium Polyacrylate to
Absorb Metals in Water*
Monte Vista High School Monte Vista

2nd Place

Adam Brungardt 12th grade
*Effect of Varying Electrical Potential on Liesegang Rings
Growth*
Brush High School Brush

3rd Place

Autumn Petros-Good 10th grade
*Colored Chemical Chaos: The Absorption of Light
Wavelengths*
Palmer High School Colorado Springs

Honorable Mention

Emily Gu 11th grade
*The Effects of Synthetic Surfactants on Surface Motility of
Bacillus subtilis*
Fairview High School Boulder

**Junior Division
Earth & Space Sciences**

1st Place

Adreanne Brungardt 8th grade
*A Possible Mechanism for Explaining the Lake Nyos
Tragedy*
Brush Middle School Brush

2nd Place

Jeffrey Hrcncir 8th grade
*Reconstructing the Paleoclimate of the Green River
Formation*
East Middle School Grand Junction

3rd Place

Dailey Kluck 6th grade
Wind Blocks
Centennial Middle School Boulder

Honorable Mention

Carmen Winn 8th grade
The Orientation of Spirial Galaxies
Redlands Middle School Grand Junction

**Senior Division
Earth & Space Sciences**

1st Place

Graham Anderson 9th grade
*What a Scorching State! Is Urban Growth Worsening
Drought in Colorado?*
Palmer High School Colorado Springs

2nd Place		
Tyler Benton		10th grade
<i>Determining Ice Core Storage Efficacy Using Oxygen Isotope Comparisons</i>		
Stratton High School		Stratton
3rd Place		
Danielle Nuding		10th grade
<i>Lightning . . . Is It the Answer?</i>		
Liberty High School		Joes
Honorable Mention		
Janel Brown		10th grade
<i>Observing the Asteroid 808 Merxia</i>		
Cherry Creek High School		Greenwood Village

**Junior Division
Engineering**

1st Place		
Timothy Schneider		7th grade
<i>Can You Hear Me?</i>		
Miller Middle School		Durango
2nd Place		
Zachary Zillmann		8th grade
<i>Wireless Moisture Detector For G-Tube Feedings</i>		
Jefferson Academy Junior High School		Broomfield
3rd Place		
Molly May		7th grade
<i>Magnets And Maglev</i>		
St. Columba School		Durango
Team Award Nomination		
Andy Ralston & Josh King		8th grade
<i>Bouncing Light</i>		
Bookcliff Middle School		Grand Junction
Team Award Nomination		
Kendall Murphy, Joaquin Milburn & Alex Zemach		6th grade
<i>Helping the Hearing Impaired</i>		
Miller Middle School		Durango
Honorable Mention		
Kevin Gao		8th grade
<i>Ion Propulsion Engine: To Space and Beyond</i>		
Burbank Middle School		Boulder
Honorable Mention		
Aaron Sommer		8th grade
<i>Lights, Projector, Action!</i>		
Rocky Mountain Hebrew Academy		Denver
Honorable Mention		
Kristine Thompson		6th grade
<i>A Water Powered Gameboy</i>		
West Jefferson Middle School		Conifer

**Senior Division
Engineering**

1st Place		
Robert Ussery		11th grade
<i>Sailplane Winch Launch Telemetry and Data-Logging</i>		
Ussery Home School		Fort Collins
2nd Place		
Craig Wright		11th grade
<i>Designing an Innovative Micropump</i>		
Woodlin School		Woodrow
3rd Place		
Adam Sidman		9th grade
<i>Spinning Wind Energy in a New Direction: The Darrieus Vertical Axis Wind Turbine</i>		
Palmer High School		Colorado Springs
Honorable Mention		
Jeff Marlow		12th grade
<i>The Role of Oxygen in Cobalt Doped Titanium Oxide Thin Films</i>		
Cherry Creek High School		Greenwood Village

**Junior Division
Environmental Sciences**

1st Place		
Cacia Steensen		8th grade
<i>Forest Fire Fuels</i>		
West Jefferson Middle School		Conifer
2nd Place		
Katie Luff		8th grade
<i>The Rehabilitation of Burned Areas</i>		
North Middle School		Colorado Springs
3rd Place		
John Heermann		8th grade
<i>Oil Pollution Solution II</i>		
Haxtun Middle School		Haxtun
Honorable Mention		
Cody Caver		7th grade
<i>Lights Out: Exploring the Electrical Conductivity Of MgCl₂</i>		
Woodlin School		Woodrow
Honorable Mention		
Lauren Doty		7th grade
<i>Cooking: A Matter of Life or Death</i>		
St. Mary's School		Littleton

**Senior Division
Environmental Sciences**

1st Place		
Jessica Caver		12th grade
<i>Designing and Testing Solids To Remove Arsenic</i>		
Woodlin School		Woodrow

2nd Place

Katherine Hermann 10th grade
The Development of an Analytical Method by Which to Measure 1, 3, 7 - Trimethyl-xanthine in Water Samples
 Boulder High School Boulder

3rd Place

Laurie Cornell 12th grade
Pass the Salt: The Ecological Impacts of Magnesium Chloride De-Icer on Roadside Vegetables in the Nederland Region
 Nederland Middle/Senior High School Nederland

Honorable Mention

Kendra Kailey 12th grade
Watch the Burn: Promoting Fire Resistance in Grass Landscapes
 Merino Jr/Sr High School Merino

**Junior Division
 Health & Behavioral Sciences**

1st Place

Yael Munishor 7th grade
Got Milk?
 Rocky Mountain Hebrew Academy Denver

2nd Place

Richelle Fritzler 7th grade
Got Milk? Got Hormones? A Study Done with Bovine Somatotropin and Grout
 Merino Jr/Sr High School Merino

3rd Place

Taylor Thompson 7th grade
The Effect of Ephedra on Hissing Cockroaches
 Merino Jr/Sr High School Merino

Team Award Nomination

Rebecca Siegel & Zoe Dostal 6th grade
Memorize to the Beat
 West Middle School Colorado Springs

Honorable Mention

Shana Keilson 7th grade
Calcium - Do You Get Enough? Perception vs. Reality
 Boulder Country Day School Boulder

Honorable Mention

Julia Nell 6th grade
Driving Reaction Times
 Pagosa Springs Intermediate School Pagosa Springs

Honorable Mention

Emily Rotbart 7th grade
It's All Chinese to Me! The Effect of Women's and Girl's Ages on Learning and Retention
 Rocky Mountain Hebrew Academy Denver

**Senior Division
 Health & Behavioral Sciences**

1st Place

Lisa Saccomano 11th grade
Abnormal Otic Invagination with Possible Associations to OAV Spectrum
 Cherry Creek High School Greenwood Village

2nd Place

Kelly Cook 9th grade
Is What You See, What You Get? Brain Perception & the Physics of Light
 Boltz Junior High School Fort Collins

3rd Place

Diane Gumina 11th grade
A Possible Breast Cancer Treatment: Interferon Alpha Combined with Indole-3-Carbinol
 Merino Jr/Sr High School Merino

Team Award Nomination

Brad Engel & Brian Henning 10th grade
Ramifications of Temperature Fluctuations and Thrombolytic Enzymes
 Cherry Creek High School Greenwood Village

Honorable Mention

Andrea Buxton 9th grade
The Abrasive Question: Amalgam vs. Composites
 McClave High School McClave

Honorable Mention

Amber Henry 11th grade
Biometric Identification: An Analysis of Lannarelli's System of Ear Identification
 Hi-Plains High School Seibert

**Junior Division
 Mathematics & Computer Sciences**

1st Place

Chelsea Oden 7th grade
Pursuing Patterns in Primes
 Monte Vista Middle School Monte Vista

2nd Place

Matt Zubiell 7th grade
Visual Password System
 Creekside Middle School Monument

3rd Place

Caitlin Pomeroy 7th grade
Diggin' Trig: Sun Light, Sun Bright, Can I Measure the Sun Before Night?
 Merino Jr/Sr High School Merino

Honorable Mention

Ian Springer 8th grade
Robotic Rescue - Designing and Building a Light Sensing Robot for Search and Rescue of Disaster
 Lamar Middle School Lamar

Senior Division
Mathematics & Computer Sciences

1st Place

Brian Camley 12th grade
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification
Palmer High School Colorado Springs

2nd Place

Brad Klingenberg 12th grade
Tinder Box: An Exploration in Geopolitical Modeling, Abstraction, and Statistical Inference
Greeley Central High School Greeley

3rd Place

Gabriel Recchia 12th grade
Creating Application-Independent Accessibility Software for the Mobility Impaired
Berthoud High School Berthoud

Team Award

Andrew Leifer, Raymund To & David Pothier 12th grade
Fractals, Power-Laws, and the Weibull Distribution: Mathematically Modeling Crumpled Paper
Fairview High School Boulder

Honorable Mention

Nathan McNew 9th grade
An Analysis Of Complexity Measures For Computer Generated Mazes
Jefferson Academy High School Broomfield

Junior Division
Microbiology

1st Place

Anita Lowe 8th grade
The Effects of Pulsed DC Electricity on Pond Water Bacteria
Turner Middle School Berthoud

2nd Place

Mikaila Way 7th grade
An Apple a Day Keeps the Dentist Away?
West Jefferson Middle School Conifer

3rd Place

Michael Dango 8th grade
Augmenting Bioremediation
Challenger Middle School Colorado Springs

Team Award

Brian Russell & Vincent Rouse 7th grade
Bac in the Dish
St. Mary's School Littleton

Honorable Mention

Alex Schnaderbeck 7th grade
Density of Bacteria on Public Surfaces II
Sargent Junior High School Monte Vista

Honorable Mention

Martha Carol 6th grade
The Safe Kitchen: Sponge vs. Paper Towel
Summit Middle School Boulder

Senior Division
Microbiology

1st Place

Kayla Zimmerman 11th grade
The Effect of Three Types of Mulches on Soil Dwelling Bacteria in a Peach Orchard in Western Colorado
Hotchkiss High School Hotchkiss

2nd Place

Jessica Stroud 9th grade
Along Came a Spider
Palmer High School Colorado Springs

3rd Place

Heather McGuire 10th grade
Selenium Utilization as Protection from Oxidative Stress Induced by Ultraviolet Radiation
Woodlin School Woodrow

Honorable Mention

Sasha Montgomery & Alicia Eggen 9th grade
Mold: Covert Killer
Rifle High School Rifle

Honorable Mention

Holly McGuire 12th grade
Phospholipid Uptake and Production in Toxoplasma gondii
Woodlin School Woodrow

Junior Division
Physics

1st Place

Meredith MacGregor 8th grade
Dropping into Chaos
Burbank Middle School Boulder

2nd Place

Jake Harman 6th grade
Predicting Viscosity Using Rotational Velocity
Centennial Middle School Boulder

3rd Place

Dominic Fuller-Rowell 6th grade
Sound Is Supersonic
Summit Middle School Boulder

Team Award

Natalia Wilkins 8th grade
Sarah Cornish 7th grade
Gravity vs. Velocity
Ricks Center for Gifted Students Denver

Honorable Mention
Lenny Benton 8th grade
Mousetrap Dragster
Benton Home School Saguache

Honorable Mention
Diana Qiu 8th grade
Lorentz Force
North Middle School Colorado Springs

**Senior Division
Physics**

1st Place
Leota McDaniel 12th grade
An Investigation into the Leidenfrost Phenomenon
Brush High School Brush

2nd Place
William Eucker 11th grade
*Field Emission Capability vs. Diameter of Vertically
Aligned MWNTs*
George Washington High School Denver

3rd Place
Colin Olivier 9th grade
Landslide Generated Mega-Tsunami
Palmer High School Colorado Springs

Honorable Mention
Scott Headrick 10th grade
Slow Down
Gilpin County School Black Hawk

**Junior Division
Zoology**

1st Place
Holli Linman 8th grade
Flying Jewels
Crawford School Crawford

2nd Place
Clare O'Connor-Seville 6th grade
Ips Beetles
Dolores Middle School Dolores

3rd Place
Lisa Han 6th grade
*Comparison of Life Spans of the Free Living Nematode C.
elegans from Three Geographical*
Summit Middle School Boulder

Honorable Mention
Justin Boren 7th grade
Dead or Alive
St. Columba School Durango

**Senior Division
Zoology**

1st Place
Jennifer McDonough 9th grade
Cruciferous Platyhelminthes
Palmer High School Colorado Springs

2nd Place
Courtney Eichengreen 10th grade
Bioenergetics and Echinacea
Palmer High School Colorado Springs

3rd Place
Mackenzie Peake 12th grade
*Parkinson's Medication Dilemma: Folate
Supplementation to Reduce L-dopa's Risk*
Merino Jr/Sr High School Merino

Honorable Mention
Phillip Torres 11th grade
*The Best Wing Angle for Absorbing Heat from Light in
Nymphalis antiopa*
Cherry Creek High School Greenwood Village

2003 Colorado Science and Engineering Fair

Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

Jeff Marlow 12th grade
 \$100, certificate
 Cherry Creek High School Greenwood Village
The Role of Oxygen in Cobalt Doped Titanium Oxide Thin Films

Student Choice Award

Ian Springer 8th grade
 \$25, trophy
 Lamar Middle School Lamar
Robotic Rescue - Designing and Building a Light Sensing Robot for Search and Rescue of Disaster Victims

Kelly Cook 9th grade
 \$25, trophy
 Boltz Junior High School Fort Collins
Is What You See, What You Get? Brain Perception and the Physics of Light

Poster Art Contest

Morgan Edwards
 certificate, \$100
 High Country Christian Academy Colorado Springs

Military

United States Air Force

Air Force ROTC Award

Daniel Armstrong 8th grade
 certificate, planner
 Monte Vista Middle School Monte Vista
Medieval Physics

Jennifer McDonough 9th grade
 certificate, planner
 Palmer High School Colorado Springs
Cruciferous Platyhelminthes

Nolan Cmerek 12th grade
 certificate, planner
 Hotchkiss High School Hotchkiss
Effects of Specific Design Modifications on the Capabilities of Airfoils - Phase II

United States Air Force Research Laboratory

The Century of Flight Award

Timothy Schneider 7th grade
 Miller Middle School Durango
Can You Hear Me?

Craig Wright 11th grade
 Woodlin School Woodrow
Designing an Innovative Micropump

United States Army

Matt Zubiel 7th grade
 certificate, \$50 savings bond
 Creekside Middle School Monument
Visual Password System

Jessica Sidman 11th grade
 certificate, \$50 savings bond
 Palmer High School Colorado Springs
The Filtering Effects of Anodonta grandis

Amy Davies 11th grade
 certificate, \$50 savings bond
 Brush High School Brush
Shakin' It Up: A Study on Sedimentation

Emma McArdle 12th grade
 certificate, \$50 savings bond
 Monte Vista High School Monte Vista
Is Your Plastic Board?

Mackenzie Peake 12th grade
 certificate, \$100 savings bond, bronze medallion
 Merino Jr/Sr High School Merino
Parkinson's Medication Dilemma: Folate Supplementation to Reduce L-dopa's Risk

United States Navy & United States Marine Corps

Office of Naval Research Award

Chelsea Oden 7th grade
 certificate
 Monte Vista Middle School Monte Vista
Pursuing Patterns in Primes

Sarah Owens 7th grade
 certificate
 Merino Jr/Sr High School Merino
The Cutting Edge: The Union of Staphylococcus and Lactobacillus in Limiting Surgical Infection

Brian Camley 12th grade
 certificate, educational recognition award valued at over \$50.00 to be used for educational purposes including supplies for a future science project
 Palmer High School Colorado Springs
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification

William Eucker 11th grade
 certificate, educational recognition award valued at over \$50.00 to be used for educational purposes including supplies for a future science project
 George Washington High School Denver
Field Emission Capability vs. Diameter of Vertically Aligned MWNTs

Leyton Laybourn 11th grade
certificate, educational recognition award valued at over \$50.00
to be used for educational purposes including supplies for a
future science project
Arickaree School Anton
*Designing a Constant Temperature Reduced Pressure Drying
System*

Organizational

American Association of University Women

Molly May 7th grade
\$100
St. Columba School
Durango
Magnets and Maglev

American Chemical Society, Colorado Section

Lauren Butero 8th grade
certificate, cash award
Bayfield Middle School Bayfield
Up In Smoke - Flammability Testing Children's Sleepwear

Tyler Keck 9th grade
certificate, cash award
Monte Vista High School Monte Vista
*The Super Absorber: Using Sodium Polyacrylate To Absorb
Metals In Water*

American Institute of Chemical Engineers' Rocky Mountain Section

John Heermann 8th grade
\$75
Haxtun Middle School Haxtun
Oil Pollution Solution II

Jessica Caver 12th grade
\$100
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

American Meteorological Society Denver/Boulder Chapter

Allyson Claybaugh 6th grade
certificate, prize worth \$50
West Jefferson Middle School Conifer
*Tornadoes: The Fearful Weather of Extreme Destruction to
Nature*

Danielle Nuding 10th grade
certificate, prize worth \$50
Liberty High School Joes
Lightning . . . Is It the Answer?

American Vacuum Society Rocky Mountain Chapter

Kevin Gao 8th grade
\$50, \$50 for winner's school
Burbank Middle School Boulder
Ion Propulsion Engine: To Space and Beyond

Jake Harman 6th grade
\$100, \$100 for winner's school
Centennial Middle School Boulder
Predicting Viscosity Using Rotational Velocity

Jeff Marlow 12th grade
\$50, \$50 for winner's school
Cherry Creek High School Greenwood Village
*The Role of Oxygen in Cobalt Doped Titanium Oxide Thin
Films*

Jessica Caver 12th grade
\$100, \$100 for winner's school
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

American Water Works Association Rocky Mountain Section

Rachel Doyle 11th grade
plaque, \$50
Monte Vista High School Monte Vista
*The Effect of Yearly Precipitation on Water Quality in the Rio
Grande River of Colorado*

Tyler Keck 9th grade
plaque, \$75
Monte Vista High School Monte Vista
*The Super Absorber: Using Sodium Polyacrylate to Absorb
Metals in Water*

Balaji Sridhar 10th grade
plaque, \$100
Cherry Creek High School Greenwood Village
Removal of Arsenic Residues from Drinking Water Treatment

Analex Corporation

Gabriel Recchia 12th grade
certificate, \$100
Berthoud High School Berthoud
*Creating Application-Independent Accessibility Software for
the Mobility Impaired*

Brad Klingenberg 12th grade
certificate, \$100
Greeley Central High School Greeley
*Tinder Box: An Exploration in Geopolitical Modeling,
Abstraction, and Statistical Inference*

ASM International Rocky Mountain Chapter

Emily Jones 6th grade
\$50
Windsor Charter Academy Windsor
The Tensile Strength of Guitar Strings

Jeff Marlow 12th grade
\$75
Cherry Creek High School Greenwood Village
*The Role of Oxygen in Cobalt Doped Titanium Oxide Thin
Films*

Association for Women Geoscientists Denver Chapter

Elizabeth Garcia 6th grade
\$50, rock sample
Sargent Elementary School Monte Vista
Rock-n-Roll

Jade Brooks 11th grade
\$50, rock sample
Sierra Grande School Fort Garland/Blanca
Hydrophobicity: How Hydrophobic Soils Affect Runoff within a Watershed

Association of Engineering Geologists Rocky Mountain Section

Joelle Dozoretz 7th grade
AEG folder w/calculator, invitation to present at the AEG
Annual Meeting this September in Vail, CO
Rocky Mountain Hebrew Academy Denver
Shake 'n' Break

Jade Brooks 11th grade
AEG folder w/calculator, invitation to present at the AEG
Annual Meeting this September in Vail, CO
Sierra Grande School Fort Garland/Blanca
Hydrophobicity: How Hydrophobic Soils Affect Runoff within a Watershed

Colorado Association of Science Teachers

Forrest Friesen 8th grade
\$50, certificate
North Middle School Colorado Springs
Magnetically Levitated vs. Conventional Vehicles: The Effects of Friction on Velocity and Acceleration

Taylor Thompson 7th grade
\$50, certificate
Merino Jr/Sr High School Merino
The Effect of Ephedra on Hissing Cockroaches

Brian Camley 12th grade
\$50, certificate
Palmer High School Colorado Springs
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification

Janice Bowers 12th grade
\$50, certificate
Woodlin School Woodrow
Using Blood Spattering As a Forensic Analysis

Colorado Biology Teachers Association

Amber Ladd 7th grade
\$50, plaque
Merino Jr/Sr High School Merino
It's Time to Change: A Comparison of Growth and Leaching of Rotated and Non-Rotated Soils

Levi Klausner 12th grade
Harold Klausner 9th grade
\$50, plaque
Woodlin School Woodrow
Wheat Variety Response to Drought

Colorado Dental Association

Abi McGaha Miller 8th grade
certificate, quasar pen
Boltz Junior High School Fort Collins
The Effects of Whitening Agents on Teeth

Mikaila Way 7th grade
\$25, plaque
West Jefferson Middle School Conifer
An Apple a Day Keeps the Dentist Away?

Andrea Buxton 9th grade
\$50, plaque
McClave High School McClave
The Abrasive Question: Amalgam vs. Composites

Colorado Division of Wildlife

Maggie Reinsvold 9th grade
packet of Colorado Wildlife products, free admission to a
Wildlife Watch Workshop
Frontier Academy Greeley
The Effect of Magnesium Chloride on Aquatic Life

Colorado Environmental Health Association

\$100, plaque
Jessica Sidman 11th grade
Palmer High School Colorado Springs
The Filtering Effects of Anodonta grandis

Colorado Foundation for Agriculture Agriculture in the Classroom Award

Justin Boren 7th grade
certificate, \$50
St. Columba School Durango
Dead or Alive

Adrienne Blum 8th grade
certificate, \$50
Rocky Mountain Hebrew Academy Denver
Saltgreens

Heather Messick 11th grade
certificate, \$50
Sargent High School Monte Vista
The Effects of Seed Treatments in Tuberization of Potatoes

Kayla Zimmerman 11th grade
certificate, \$50
Hotchkiss High School Hotchkiss
The Effect of Three Types of Mulches on Soil Dwelling Bacteria in a Peach Orchard in Western Colorado

Colorado Geological Survey

Jeffrey Hrcncir 8th grade
\$75
East Middle School Grand Junction
Reconstructing the Paleoclimate of the Green River Formation

Jade Brooks 11th grade
\$75
Sierra Grande School Fort Garland/Blanca
Hydrophobicity: How Hydrophobic Soils Affect Runoff within a Watershed

Colorado Medical Society Education Foundation

Jaimie Jennings 6th grade
\$100, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
North Middle School Colorado Springs
Just Wash Your Hands!

Diane Gumina 11th grade
\$100, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
Merino Jr/Sr High School Merino
A Possible Breast Cancer Treatment: Interferon Alpha Combined with Indole-3-Carbinol

Colorado Mineral Society

Jeffrey Hrcir 8th grade
\$25, 2 mineral specimens, certificate, book
East Middle School Grand Junction
Reconstructing the Paleoclimate of the Green River Formation

Elizabeth Garcia 6th grade
\$40, 2 mineral specimens, certificate, book
Sargent Elementary School Monte Vista
Rock-n-Roll

Tyler Benton 10th grade
\$25, 2 mineral specimens, certificate, book
Stratton High School Stratton
Determining Ice Core Storage Efficacy Using Oxygen Isotope Comparisons

Tyler Keck 9th grade
\$40, 2 mineral specimens, certificate, book
Monte Vista High School Monte Vista
The Super Absorber: Using Sodium Polyacrylate to Absorb Metals in Water

Colorado Mycological Society

Michael Dango 8th grade
\$25, book on fungi, certificate
Challenger Middle School Colorado Springs
Augmenting Bioremediation

Colorado Scientific Society

Adreanne Brungardt 8th grade
\$50
Brush Middle School Brush
A Possible Mechanism for Explaining the Lake Nyos Tragedy

Jeffrey Hrcir 8th grade
\$75
East Middle School Grand Junction
Reconstructing the Paleoclimate of the Green River Formation

Adam Maerz 12th grade
\$75
Monarch High School Louisville
Avalanche Prediction Using High Frequency Radar

Tyler Benton 10th grade
\$100
Stratton High School Stratton
Determining Ice Core Storage Efficacy Using Oxygen Isotope Comparisons

Colorado Sustainability Project

John Heermann 8th grade
\$50, certificate, information on sustainability
Haxtun Middle School Haxtun
Oil Pollution Solution II

Michael Dango 8th grade
\$100, certificate, information on sustainability
Challenger Middle School Colorado Springs
Augmenting Bioremediation

Adam Sidman 9th grade
\$50, certificate, information on sustainability
Palmer High School Colorado Springs
Spinning Wind Energy in a New Direction: The Darrieus Vertical Axis Wind Turbine

Leyton Laybourn 11th grade
\$100, certificate, information on sustainability
Arickaree School Anton
Designing a Constant Temperature Reduced Pressure Drying System

Colorado Veterinary Medical Association

Richelle Fritzler 7th grade
certificate, gold medallion, \$50
Merino Jr/Sr High School Merino
Got Milk? Got Hormones? A Study Done with Bovine Somatotropin and Grout

Kelly Haller 12th grade
certificate, gold medallion, \$50
Woodlin School Woodrow
The Effects of N-3 Fatty Acids on Inflammatory Mediators in Arthritic Patients

Colorado State University

Dept. of Biochemistry & Molecular Biology

Lisa Saccomano 11th grade
certificate, \$100
Cherry Creek High School Greenwood Village
Abnormal Otic Invagination with Possible Associations to OAV Spectrum

Colorado State University Department of Chemistry

Leah Flink 8th grade
certificate, cash award
Turner Middle School Berthoud
What Color Was the Black Ink?

Autumn Petros-Good 10th grade
certificate, cash award
Palmer High School Colorado Springs
Colored Chemical Chaos: The Absorption of Light
Wavelengths

Colorado State University

Dept. of Horticulture & Landscape Architecture
Michaela Kaiser 8th grade
\$100
Sargent Junior High School Monte Vista
How Fast Is the Clock Ticking? Titer vs. Time
Tom Herter 10th grade
\$100
Meeker High School Meeker
Hylemya sp.'s Effects on Fitness of Polemonium foliosissimum

Lauren Smith 10th grade
\$100
Rampart High School Colorado Springs
Xanthomonas campestris pv. Vesicatoria: A Study of the
Relationship between Extra-Cellular Material & Heightened
Host Response

Fort Collins Soil Conservation District

Jason Pope 6th grade
\$50, plaque
Fort Lupton Middle School Fort Lupton
Hydroponics vs. Soil
Heather Messick 11th grade
\$50, plaque
Sargent High School Monte Vista
The Effects of Seed Treatments in Tuberization of Potatoes

Intel Corporation

Timothy Schneider 7th grade
laptop computer
Miller Middle School Durango
Can You Hear Me?
Jennifer McDonough 9th grade
laptop computer
Palmer High School Colorado Springs
Cruciferous Platyhelminthes

Kodak Colorado Division

Lauren Butero 8th grade
APS camera
Bayfield Middle School Bayfield
Up in Smoke - Flammability Testing Children's Sleepwear
Danielle Nuding 10th grade
APS camera
Liberty High School Joes
Lightning . . . Is It the Answer?

Lockheed Martin Astronautics

Nolan Cmerek 12th grade
Atlas V rocket model
Hotchkiss High School Hotchkiss
Effects of Specific Design Modifications on the Capabilities of
Airfoils - Phase II

National Geophysical Data Center

Dailey Kluck 6th grade
certificate, plaque, \$100 savings bond
Centennial Middle School Boulder
Wind Blocks

National Renewable Energy Laboratory

Dylan McKie 7th grade
\$100
Yuma Middle School Yuma
Fossil Fuels: Who Needs Them?

Optical Society of America Rocky Mountain Section

Lisa Campbell 6th grade
subscription to Discover magazine, certificate
Centennial Middle School Boulder
As Far As the Eye Can See: Experiments with Solar Beads
Kelly Cook 9th grade
subscription to Discover magazine, certificate
Boltz Junior High School Fort Collins
Is What You See, What You Get? Brain Perception and the
Physics of Light

Rocky Mountain Association of Geologists

Jeffrey Hrncir 8th grade
certificate, cash award (mailed later)
East Middle School Grand Junction
Reconstructing the Paleoclimate of the Green River Formation
Elizabeth Garcia 6th grade
certificate, cash award (mailed later)
Sargent Elementary School Monte Vista
Rock-n-Roll
Tyler Benton 10th grade
certificate, cash award (mailed later)
Stratton High School Stratton
Determining Ice Core Storage Efficacy Using Oxygen Isotope
Comparisons

Rocky Mountain Inventors & Entrepreneurs Congress

Educational Applications Award

Gabriel Recchia 12th grade
Berthoud High School Berthoud
Creating Application-Independent Accessibility Software for
the Mobility Impaired

Outstanding Innovation Award

Zachary Zillmann 8th grade
Jefferson Academy Junior High School Broomfield
Wireless Moisture Detector for G-Tube Feedings

Best Divisional Project Awards

Sarah Owens 7th grade
\$50 Merino
Merino Jr/Sr High School
The Cutting Edge: The Union of Staphylococcus and Lactobacillus in Limiting Surgical Infection

Lauren Smith 10th grade
\$50 Colorado Springs
Rampart High School
Xanthomonas campestris pv. Vesicatoria: A Study of the Relationship between Extra-Cellular Material & Heightened Host Response

Robert Ussery 11th grade
\$50 Fort Collins
Ussery Home School
Sailplane Winch Launch Telemetry and Data-Logging

Rocky Mountain Water Environment Association

Jeffrey Lipinski 8th grade
savings bond (mailed later)
St. John the Evangelist School Loveland
What Is the Water Quality of Boyd Lake During a Drought Season?

Adreanne Brungardt 8th grade
savings bond (mailed later)
Brush Middle School Brush
A Possible Mechanism for Explaining the Lake Nyoos Tragedy

Katherine Hermann 10th grade
savings bond (mailed later)
Boulder High School Boulder
The Development of an Analytical Method by Which to Measure 1, 3, 7 - Trimethyl-xanthine in Water Samples

Jessica Sidman 11th grade
savings bond (mailed later)
Palmer High School Colorado Springs
The Filtering Effects of Anodonta grandis

Society of Manufacturing Engineers Chapter 354, Electro-Mechanical

Forrest Friesen 8th grade
certificate, savings bond
North Middle School Colorado Springs
Magnetically Levitated vs. Conventional Vehicles: The Effects of Friction on Velocity and Acceleration

Craig Wright 11th grade
certificate, savings bond
Woodlin School Woodrow
Designing an Innovative Micropump

Society of Women Engineers Rocky Mountain Section

Molly May 7th grade
certificate, \$50 Durango
St. Columba School
Magnets and Maglev

Kristine Thompson 6th grade
certificate, \$75 Conifer
West Jefferson Middle School
A Water Powered Gameboy

Sarah Finney 12th grade
certificate, \$50 Hotchkiss
Hotchkiss High School
Unstoppable Windpower

Emma McArdle 12th grade
certificate, \$75 Monte Vista
Monte Vista High School
Is Your Plastic Board?

Soil and Water Conservation Society Colorado Chapter

Jason Pope 6th grade
\$25, certificate, ribbon
Fort Lupton Middle School Fort Lupton
Hydroponics vs. Soil

Dailey Kluck 6th grade
\$50, certificate, ribbon
Centennial Middle School Boulder
Wind Blocks

Maggie Reinsvold 9th grade
\$25, certificate, ribbon
Frontier Academy Greeley
The Effect of Magnesium Chloride on Aquatic Life

Levi Klausner 12th grade
Harold Klausner 9th grade
\$50, certificate, ribbon
Woodlin School Woodrow
Wheat Variety Response to Drought

University of Colorado Denver Health Sciences Center Medical Scientist Training Program

Diane Gumina 11th grade
certificate, \$50 Merino
Merino Jr/Sr High School
A Possible Breast Cancer Treatment: Interferon Alpha Combined with Indole-3-Carbinol

Kelly Haller 12th grade
certificate, \$50 Woodrow
Woodlin School
The Effects of N-3 Fatty Acids on Inflammatory Mediators in Arthritic Patients

United States Department of Commerce

Adam Maerz 12th grade
alternate for summer employment opportunity
Monarch High School Louisville
Avalanche Prediction Using High Frequency Radar

Laurie Cornell 12th grade
summer employment opportunity
Nederland Middle/Senior High School Nederland
Pass the Salt: The Ecological Impacts of Magnesium Chloride De-Icer on Roadside Vegetables in the Nederland Region

United States Geological Survey

Elizabeth Garcia 6th grade
Sargent Elementary School Monte Vista
Rock-n-Roll

Jade Brooks 11th grade
Sierra Grande School Fort Garland/Blanca
Hydrophobicity: How Hydrophobic Soils Affect Runoff within a Watershed

Yale University Science & Engineering Association

Craig Wright 11th grade
certificate, pewter medallion (mailed later)
Woodlin School Woodrow
Designing an Innovative Micropump

Zonta Club of Boulder County Amelia Earhart Award

Natalia Wilkins 8th grade
Sarah Cornish 7th grade
\$100
Ricks Center for Gifted Students Denver
Gravity vs. Velocity

Scholarships

Adams State College Foundation Adams State College Scholarships

Christina Russell 11th grade
one-year full resident tuition & fees scholarship
Merino Jr/Sr High School Merino
Let's Read: A Comparative Study of Child Behavior and Daily Reading

Scott Headrick 10th grade
one-year full resident tuition & fees scholarship
Gilpin County School Black Hawk
Slow Down

Tyler Keck 9th grade
one-year full resident tuition & fees scholarship
Monte Vista High School Monte Vista
The Super Absorber: Using Sodium Polyacrylate to Absorb Metals in Water

Rachel Doyle 11th grade
one-year full resident tuition & fees scholarship
Monte Vista High School Monte Vista
The Effect of Yearly Precipitation on Water Quality in the Rio Grande River of Colorado

Chad Kembel 10th grade
one-year full resident tuition & fees scholarship
Brush High School Brush
Mathematics of a Rotating Cylinder

Jade Brooks 11th grade
one-year full resident tuition & fees scholarship
Sierra Grande School Fort Garland/Blanca
Hydrophobicity: How Hydrophobic Soils Affect Runoff within a Watershed

Phillip Torres 11th grade
one-year full resident tuition & fees scholarship
Cherry Creek High School Greenwood Village
The Best Wing Angle for Absorbing Heat from Light in Nymphalis antiopa

Tom Herter 10th grade
one-year full resident tuition & fees scholarship
Meeker High School Meeker
Hylemya sp.'s Effects on Fitness of Polemonium foliosissimum

David Bloemker 11th grade
one-year full resident tuition & fees scholarship
Brush High School Brush
Winging It - A Variable Camber Airfoil

Kayla Zimmerman 11th grade
one-year full resident tuition & fees scholarship
Hotchkiss High School Hotchkiss
The Effect of Three Types of Mulches on Soil Dwelling Bacteria in a Peach Orchard in Western Colorado

Colorado School of Mines

Colorado School of Mines Scholarships

Jeff Marlow 12th grade
four-year full resident tuition
Cherry Creek High School Greenwood Village
The Role of Oxygen in Cobalt Doped Titanium Oxide Thin Films

Jessica Caver 12th grade
four-year full resident tuition
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

Brian Camley 12th grade
four-year full resident tuition
Palmer High School Colorado Springs
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification

Leota McDaniel 12th grade
four-year full resident tuition
Brush High School Brush
An Investigation into the Leidenfrost Phenomenon

Intel Foundation
Ryan Patterson Scholarship

Leota McDaniel 12th grade
\$2,000 scholarship to the college of choice
Brush High School Brush
An Investigation into the Leidenfrost Phenomenon

Colorado Science and Engineering Fair
Teacher of the Year Award

Gary Wilkinson
certificate, \$1,000 to use towards science fair research in the classroom
Monte Vista High School Monte Vista

Science Service

Discovery Communications, Inc.
Discovery Young Scientist Challenge

Chelsea Oden 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Monte Vista Middle School Monte Vista
Pursuing Patterns in Primes

certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Holli Linman 8th grade
Crawford School Crawford
Flying Jewels

Anita Lowe 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Turner Middle School Berthoud
The Effects of Pulsed DC Electricity on Pond Water Bacteria

Katie Luff 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
North Middle School Colorado Springs
The Rehabilitation of Burned Areas

Ashley Wilkinson 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Timberview Middle School Colorado Springs
Got Water?

Matt Zubiel 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Creekside Middle School Monument
Visual Password System

Adreanne Brungardt 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Brush Middle School Brush
A Possible Mechanism for Explaining the Lake Nyos Tragedy

Cacia Steensen 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
West Jefferson Middle School Conifer
Forest Fire Fuels

Jake Harman 6th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Centennial Middle School Boulder
Predicting Viscosity Using Rotational Velocity

Meredith MacGregor 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Burbank Middle School Boulder
Dropping into Chaos

Justin Garoutte 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Centauri Middle School La Jara
The Milky Way

Michaela Kaiser 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Sargent Junior High School Monte Vista
How Fast Is the Clock Ticking? Titer vs. Time

Yael Munishor 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Rocky Mountain Hebrew Academy Denver
Got Milk?

KJ Ward 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Genoa-Hugo School Hugo
Does Your Drink Have the Kick of Carbonation?

Jeffrey Hrncir 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
East Middle School Grand Junction
Reconstructing the Paleoclimate of the Green River Formation

Richelle Fritzler 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Merino Jr/Sr High School Merino
Got Milk? Got Hormones? A Study Done with Bovine Somatotropin and Grout

Zachary Zillmann 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Jefferson Academy Junior High School Broomfield
Wireless Moisture Detector for G-Tube Feedings

Mikaila Way 7th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
West Jefferson Middle School Conifer
An Apple a Day Keeps the Dentist Away?

Clare O'Connor-Seville 6th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Dolores Middle School Dolores
Ips Beetles

Timothy Schneider 7th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Miller Middle School Durango
Can You Hear Me?

Eastman Kodak Company

Linsi Stoddard 10th grade
certificate, Kodak camera and film (mailed later)
Stoddard Home School Colorado Springs
Flaming Firs

Herbert Hoover Presidential Library Association *The Herbert Hoover Young Engineer Award*

Robert Ussery 11th grade
medallion, certificate
Ussery Home School Fort Collins
Sailplane Winch Launch Telemetry and Data-Logging

Intel Corporation

Intel Excellence in Environmental Health & Safety Award

Jessica Caver 12th grade
certificate, \$200 (mailed later)
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

Intel Excellence in Computer Science Award

Brian Camley 12th grade
certificate, \$200 (mailed later)
Palmer High School Colorado Springs
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification

International Society for Optical Engineering

Andy Ralston & Josh King 8th grade
certificate, entry into drawing for cash award
Bookcliff Middle School Grand Junction
Bouncing Light

NACE International

Jeff Marlow 12th grade
certificate
Cherry Creek High School Greenwood Village
The Role of Oxygen in Cobalt Doped Titanium Oxide Thin Films

Scientific American

Andrew Leifer, Raymund To & David Pothier 12th grade
certificate, subscription to Scientific American
Fairview High School Boulder

Fractals, Power-Laws and the Weibull Distribution: Mathematically Modeling Crumpled Paper

Brian Camley 12th grade
certificate, subscription to Scientific American
Palmer High School Colorado Springs
The Telltale Heart of Darkness: Differentiating Between Authors - Beyond Naïve Bayesian Classification

Graham Anderson 9th grade
certificate, subscription to Scientific American
Palmer High School Colorado Springs
What a Scorching State! Is Urban Growth Worsening Drought in Colorado?

Jessica Caver 12th grade
certificate, subscription to Scientific American
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

Tyler Keck 9th grade
certificate, subscription to Scientific American
Monte Vista High School Monte Vista
The Super Absorber: Using Sodium Polyacrylate to Absorb Metals in Water

Lisa Saccomano 11th grade
certificate, subscription to Scientific American
Cherry Creek High School Greenwood Village
Abnormal Otic Invagination with Possible Associations to OAV Spectrum

Robert Ussery 11th grade
certificate, subscription to Scientific American
Ussery Home School Fort Collins
Sailplane Winch Launch Telemetry and Data-Logging

Jennifer McDonough 9th grade
certificate, subscription to Scientific American
Palmer High School Colorado Springs
Cruciferous Platyhelminthes

Kayla Zimmerman 11th grade
certificate, subscription to Scientific American
Hotchkiss High School Hotchkiss
The Effect of Three Types of Mulches on Soil Dwelling Bacteria in a Peach Orchard in Western Colorado

Lauren Smith 10th grade
certificate, subscription to Scientific American
Rampart High School Colorado Springs
Xanthomonas campestris pv. Vesicatoria: A Study of the Relationship between Extra-Cellular Material and Heightened Host Response

Leota McDaniel 12th grade
certificate, subscription to Scientific American
Brush High School Brush
An Investigation into the Leidenfrost Phenomenon

Society for In Vitro Biology

Diane Gumina 11th grade
certificate
Merino Jr/Sr High School Merino
*A Possible Breast Cancer Treatment: Interferon Alpha
Combined with Indole-3-Carbinol*

United States Metric Association

Jessica Caver 12th grade
certificate
Woodlin School Woodrow
Designing and Testing Solids to Remove Arsenic

United States Public Health Service

Mackenzie Kitson 7th grade
certificate
Pagosa Springs Junior High School Pagosa Springs
Sugar and Weight: How Do They Relate?

Water Environment Federation

Stockholm Junior Water Prize

Jessica Sidman 11th grade
certificate, nomination to compete in the US State, National,
and International SJWP competition
Palmer High School Colorado Springs
The Filtering Effects of Anodonta grandis