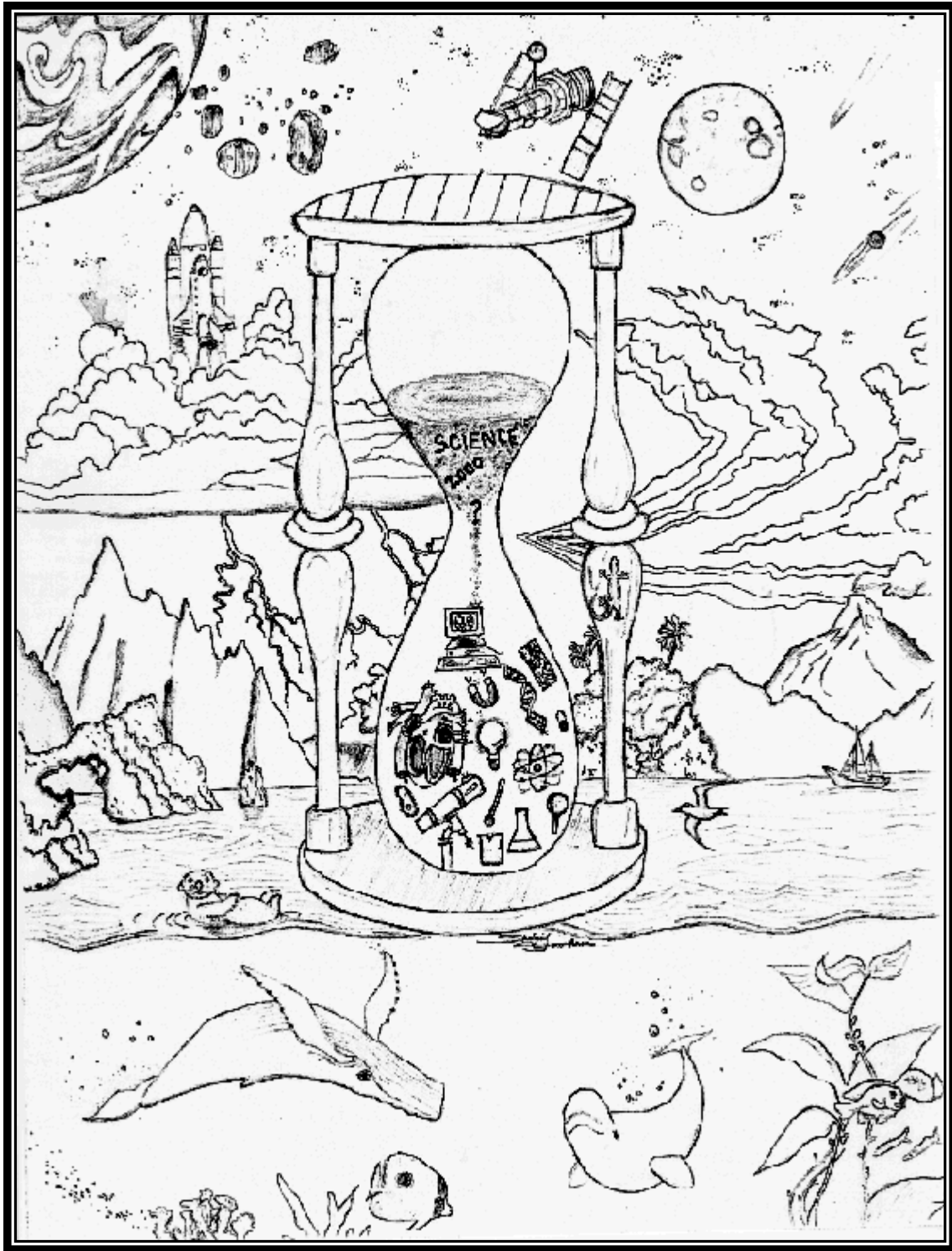


# *Press Release*



# 2000 Colorado Science and Engineering Fair

## Grand Awards Press Release

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### Junior Division All Fair

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#### 1st Place

Hildur Boylston 7<sup>th</sup> grade  
*Beetle Juice*  
 Summit Middle School Boulder

#### 2nd Place

Kira Newman 6<sup>th</sup> grade  
*The Effect of Cadmium on Macrophages*  
 Rick's Center for Gifted Children Denver

#### 3rd Place

Kalen Meine 7<sup>th</sup> grade  
*Talkin' Trash: From Garbage to Gas*  
 Mackintosh Academy Denver

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### Senior Division All Fair

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#### 1st Place

Ryan Patterson 10<sup>th</sup> grade  
*Sleuthbot: A Robotic Search Tool*  
 Central High School Grand Junction

#### 2nd Place

Melina Pastore 10<sup>th</sup> grade  
*Welcome to the Collembola Cafe*  
 Monte Vista High School Monte Vista

#### 3rd Place

Thomas Liu 12<sup>th</sup> grade  
*Mathematical Modeling of Fringe Patterns from Double Stars*  
 Cherry Creek High School Greenwood Village

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### Junior Division Botany

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#### 1st Place

Lauren Smith 7<sup>th</sup> grade  
*Fun with Fungi: The Effects of pH on Yeast Growth*  
 Mountain Ridge Middle School Colorado Springs

#### 2nd Place

Collin Weber 7<sup>th</sup> grade  
*How Low Can You Go? A Possible Treatment for Corn and Freezing Temperatures*  
 Merino Jr/Sr High School Merino

#### 3rd Place

David Bonomo 6<sup>th</sup> grade  
*Which Way Is Up?*  
 St. John the Evangelist Catholic School Loveland

#### Honorable Mention

Jessica Harms 7<sup>th</sup> grade  
*Why Does Grass Grow So Sparsely in Pine Forests?*  
 Pagosa Springs Junior High School Pagosa Springs

#### Honorable Mention

Alexandra Sneed 7<sup>th</sup> grade  
*What in Mountain Dew Makes Plants Grow Better? Do the Dew?*  
 Fort Morgan Middle School Fort Morgan

#### Honorable Mention

Corey Swanson 7<sup>th</sup> grade  
*From Household Chemicals to Injection Wells: Are We Ruining Weld County's Water?*  
 Fort Lupton Middle School Fort Lupton

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### Senior Division Botany

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#### 1st Place

Pavan Sekhar 12<sup>th</sup> grade  
*Phytoextraction and Rhizofiltration of Toxic Metals*  
 Cherry Creek High School Greenwood Village

#### 2nd Place

Nathan Davidson 11<sup>th</sup> grade  
*Potato Virus Y Spread in Potatoes*  
 Monte Vista High School Monte Vista

#### 3rd Place

Lucas Ingmire 11<sup>th</sup> grade  
*Can Monocots and Dicots Be Determined Through Chromatography?*  
 Brush High School Brush

#### Honorable Mention

Scott Lancaster 11<sup>th</sup> grade  
*Microbial Fuel Cells*  
 Walsh Jr/Sr High School Walsh

#### Honorable Mention

Holly McGuire 9<sup>th</sup> grade  
*A Comparative Assay of the Effects of Lead Dioxide on E. coli*  
 Woodlin School Woodrow

#### Honorable Mention

Danielle Diers 9<sup>th</sup> grade  
*How Water Pollution Affects the Life of a Plant*  
 Palmer High School Colorado Springs

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### Junior Division Earth & Space Sciences

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#### 1st Place

Emily Rosa 8<sup>th</sup> grade  
*Geodesy – Measuring the Earth with Original Instruments*  
 Liberty Common School Fort Collins

#### 2nd Place

Karla Harris 7<sup>th</sup> grade  
*Edible Rocks: The Collection and Classification of Micro-Meteorites*  
 Wiggins Jr/Sr High School Wiggins

**3rd Place**  
 Talia Rubin 8<sup>th</sup> grade  
*Is Your Mood Affected By the Weather?*  
 Rocky Mountain Hebrew Academy Denver

**Honorable Mention**  
 Corinne D'Ippolito 8<sup>th</sup> grade  
*The Modern Day Milky Way: What Can We Find Out About It?*  
 Summit Middle School Boulder

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**Senior Division  
 Earth & Space Sciences**

---

**1st Place**  
 Thomas Liu 12<sup>th</sup> grade  
*Mathematical Modeling of Fringe Patterns from Double Stars*  
 Cherry Creek High School Greenwood Village

**2nd Place**  
 Evan Burgess 11<sup>th</sup> grade  
*Predicting Avalanche Risk*  
 Fairview High School Boulder

**3rd Place**  
 Paul Valdez 12<sup>th</sup> grade  
*Sands of Time*  
 John Mall High School Walsenberg

**Honorable Mention**  
 Crystal Hart 9<sup>th</sup> grade  
*An Open or Shut Case*  
 New Vista High School Boulder

**Honorable Mention**  
 Aaron Burgess 9<sup>th</sup> grade  
*Using GPS to Quantify the Relative Lightning Risk of Ridges and Mesas*  
 Fairview High School Boulder

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**Junior Division  
 Engineering**

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**1st Place**  
 Kevin Weber 7<sup>th</sup> grade  
*To Fly or Not to Fly? Exploring Airfoils and Lift*  
 Challenger Middle School Colorado Springs

**2nd Place**  
 Jon Lafferty 7<sup>th</sup> grade  
*It's All Riding on a Magnetic Field*  
 Holy Family Catholic School Grand Junction

**3rd Place**  
 Adam Sidman 6<sup>th</sup> grade  
*Flywheels: A New Spin on Energy Storage*  
 North Middle School Colorado Springs

**Honorable Mention**  
 Jamie Karp 8<sup>th</sup> grade  
*Fabulous Frequencies: Harmonics of a Single and Double Open-Ended Pipe*  
 Holy Family Catholic School Grand Junction

**Honorable Mention**  
 Craig Wright 8<sup>th</sup> grade  
*The Firefly Effect*  
 Woodlin School Woodrow

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**Senior Division  
 Engineering**

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**1st Place**  
 Ryan Patterson 10<sup>th</sup> grade  
*Sleuthbot: A Robotic Search Tool*  
 Central High School Grand Junction

**2nd Place**  
 Leota McDaniel 9<sup>th</sup> grade  
*Designing a MAV*  
 Brush High School Brush

**3rd Place**  
 Justin Migacz 9<sup>th</sup> grade  
*Thermal Degradation of H. T. S. Films*  
 Cherry Creek High School Greenwood Village

**Honorable Mention**  
 Natalie Barnes 11<sup>th</sup> grade  
*Oscar the Grouch's Fine Wine: The Conversion of Biomass to an Energy Intensive Fuel Source*  
 Woodlin School Woodrow

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**Junior Division  
 Environmental Sciences**

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**1st Place**  
 Kalen Meine 7<sup>th</sup> grade  
*Talkin' Trash: From Garbage to Gas*  
 Mackintosh Academy Denver

**2nd Place**  
 Katherine Hermann 7<sup>th</sup> grade  
*The Chemicals and Plant Life in Boulder Creek*  
 Southern Hills Middle School Boulder

**3rd Place**  
 Doug Krause 8<sup>th</sup> grade  
*What Are the Effects of Acid Rain on the Cell Structure of Spirogyra?*  
 Rocky Mountain Hebrew Academy Denver

**Honorable Mention**  
 Andrew Fritzler 7<sup>th</sup> grade  
*Manure Marvels? The Role of Lemna minor and Hoya carnosa in Phytoremediation*  
 Merino Jr/Sr High School Merino

**Honorable Mention**  
 Charlie Keenan 7<sup>th</sup> grade  
*The Water's Always Cleaner on the Other Side of the Lake*  
 Holy Family Catholic School Grand Junction

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**Senior Division  
Environmental Sciences**

---

**1st Place**

Melina Pastore 10<sup>th</sup> grade  
*Welcome to the Collembola Cafe*  
Monte Vista High School Monte Vista

**2nd Place**

Michelle Lyons 12<sup>th</sup> grade  
*Single Celled Spelunkers . . . The Microbes of Glenwood  
Caverns*  
Rifle High School Rifle

**3rd Place**

Ryan Schnell 11<sup>th</sup> grade  
*Aerosols Black Carbon As a Possible Air Pollution  
Measurement*  
Fairview High School Boulder

**Honorable Mention**

Shannon George 10<sup>th</sup> grade  
*Desert Remediation: Selecting for Salt Tolerant Native  
Grasses*  
Woodlin School Woodrow

**Honorable Mention**

Mary Grace Beard 10<sup>th</sup> grade  
*Microbial Decontamination of Soil*  
Walsh Jr/Sr High School Walsh

**Honorable Mention**

Josh Dember 11<sup>th</sup> grade  
*Water Quality*  
Rocky Mountain Hebrew Academy Denver

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**Junior Division  
Health & Behavioral Sciences**

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**1st Place**

Kira Newman 6<sup>th</sup> grade  
*The Effect of Cadmium on Macrophages*  
Rick's Center for Gifted Children Denver

**2nd Place**

Meghann Myers 7<sup>th</sup> grade  
*The Shop Talk Silencer*  
Monte Vista Middle School Monte Vista

**3rd Place**

Lauren Neher 8<sup>th</sup> grade  
*Antiseptics: Their Purpose and Function*  
Home Schooled Brush

**Honorable Mention**

Andrea Buxton 6<sup>th</sup> grade  
*Enamel: Here Today Gone Tomorrow*  
Lamar Middle School Lamar

**Honorable Mention**

Megan Vogel 7<sup>th</sup> grade  
*Oh, What Nerve!*  
Holy Family Catholic School Grand Junction

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**Honorable Mention**

Walker William 8<sup>th</sup> grade  
*Cellular Phones at the Cellular Level*  
Rick's Center for Gifted Children Denver

**Honorable Mention**

Ariana Kiken 8<sup>th</sup> grade  
*Eew . . . You Mean I', Putting That on My Face?*  
Rocky Mountain Hebrew Academy Denver

**Honorable Mention**

Allison Qubain 6<sup>th</sup> grade  
*Verbose Lads and Lassies*  
Gardner School Gardner

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**Senior Division  
Health & Behavioral Sciences**

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**1st Place**

Benjamin Staub 10<sup>th</sup> grade  
*Combating Resistance to Penicillin in Staphylococcus  
epidermis*  
Greeley West High School Greeley

**2nd Place**

Jennifer Green 11<sup>th</sup> grade  
*Bouncing: A Sensory Integration Technique for Children  
with Autism*  
Merino Jr/Sr High School Merino

**3rd Place**

Brian Camley 9<sup>th</sup> grade  
*Of Mice and Men: Amazing Tales*  
Palmer High School Colorado Springs

**Honorable Mention**

Keri Propst 11<sup>th</sup> grade  
*Stopping Stroke Damage: A Quantitative Approach to  
Reduce Malondialdehyde with Ascorbic Acid*  
Merino Jr/Sr High School Merino

**Honorable Mention**

Kristin Hoff 9<sup>th</sup> grade  
*Effects of Vitamin E on the Infection of E. coli by  
Bacteriophage T4*  
Heath Junior High School Greeley

**Honorable Mention**

Dusty Behrens 12<sup>th</sup> grade  
*Arthritic Articular Joints – Is the Glucosamine/Chondroitin  
Sulfate Combo For You? Phase II*  
Merino Jr/Sr High School Merino

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**Junior Division  
Mathematics & Computer Sciences**

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**1st Place**

Nyssa Walker 8<sup>th</sup> grade  
*Playing by the Numbers*  
Community Christian School Thornton

**2nd Place**

Matt Nobles 6<sup>th</sup> grade  
*Knotty Math: How Can Knots Be Used as Mathematical  
Models?*  
Pagosa Springs Intermediate School Pagosa Springs

**3rd Place**  
 Brad Klingenberg 8<sup>th</sup> grade  
*Can Binary Replacement Create Superior Compression?*  
 Heath Junior High School Greeley

**Honorable Mention**  
 Andrea Nickel 8<sup>th</sup> grade  
*Computer Fundamentals and Software Algorithm Efficiency*  
 Windsor Middle School Windsor

**Honorable Mention**  
 Ryan Whitnah 7<sup>th</sup> grade  
*Out of Order: A Comparison of Computer Sorting Algorithms*  
 Cherry Creek Challenge School Denver

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**Senior Division  
 Mathematics & Computer Sciences**

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**1st Place**  
 Kevin Christopher 11<sup>th</sup> grade  
*Neural Networks for Constellation Identification*  
 Cherry Creek High School Greenwood Village

**2nd Place**  
 Pascal Getreuer 10<sup>th</sup> grade  
*Artificial Intelligence*  
 Palmer High School Colorado Springs

**3rd Place**  
 Nicholas Hall 11<sup>th</sup> grade  
*The Higher Dimensions of Spheres*  
 Cherry Creek High School Greenwood Village

**Honorable Mention**  
 Isabelle Zaugg 11<sup>th</sup> grade  
*Can Losing Strategies Win? Parrondo's Paradox*  
 Centauri High School La Jara

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**Junior Division  
 Physical Sciences**

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**1st Place**  
 Robin Blenden 6<sup>th</sup> grade  
*Inductrack Maglev: Phase I*  
 Monte Vista Middle School Monte Vista

**2nd Place**  
 Keith Dean 8<sup>th</sup> grade  
*Stabilized Levitation Assisted by Diamagnetic Repulsion*  
 Bookcliff Middle School Grand Junction

**3rd Place**  
 James Norton 8<sup>th</sup> grade  
*Brewster's Angle: Reflection, Refraction and Polarization*  
 Summit Middle School Boulder

**Honorable Mention**  
 Alana Riksheim 7<sup>th</sup> grade  
*Can You Stop Chilly Windchill?*  
 Summit Middle School Boulder

**Honorable Mention**  
 Rachael Cannon 8<sup>th</sup> grade  
*Which Fabric Is the Most Wind Resistant?*  
 Monte Vista Middle School Monte Vista

**Honorable Mention**  
 Alyssa Hill 7<sup>th</sup> grade  
*That's the Way the Ball Bounces: Does Height Determine Distance?*  
 Fort Morgan Middle School Fort Morgan

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**Senior Division  
 Physical Sciences**

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**1st Place**  
 Jessica Caver 9<sup>th</sup> grade  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*  
 Woodlin School Woodrow

**2nd Place**  
 Krista Davies 12<sup>th</sup> grade  
*The Effects of Varying Wavelengths on Liesegang Rings*  
 Brush High School Brush

**3rd Place**  
 Brian Cleary 11<sup>th</sup> grade  
*Gravity's Magnetic Personality: A Study of the Effects of Magnetism on Free Falling Objects*  
 Fruita Monument High School Fruita

**Honorable Mention**  
 Joslyn Trujillo 11<sup>th</sup> grade  
*Preventing Enzymatic Browning on Apples*  
 Monte Vista High School Monte Vista

**Honorable Mention**  
 Ben Grass 9<sup>th</sup> grade  
*A Comparative Study of the Aerodynamic Efficiency of Newer and Older Body Styles of Pick-up Trucks*  
 Cherry Creek High School Greenwood Village

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**Junior Division  
 Zoology**

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**1st Place**  
 Hildur Boylston 7<sup>th</sup> grade  
*Beetle Juice*  
 Summit Middle School Boulder

**2nd Place**  
 Trevor Filter 6<sup>th</sup> grade  
*Protozoa and Pollution: A Good Mix? I Think Not . . .*  
 Mackintosh Academy Denver

**3rd Place**  
 Wyatt Duea 7<sup>th</sup> grade  
*Behavior of Fancy Guppies*  
 Platt Middle School Boulder

**Honorable Mention**  
 Trae Miller 7<sup>th</sup> grade  
*Laying a Little or a Lot – Should Laying Crumbs Be Bought?*  
 Merino Jr/Sr High School Merino

**Honorable Mention**  
 Morissa Katz 8<sup>th</sup> grade  
*Food and Exercise: Does Exercising Decrease Food Intake?*  
 Rocky Mountain Hebrew Academy Denver

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**Senior Division****Zoology**

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**1st Place**

Rena Sessions 11<sup>th</sup> grade  
*Do Hemolymph and Cell Suspension Decrease Paralysis in*  
*Munduca sexta?*  
Merino Jr/Sr High School Merino

**2nd Place**

Amanda Baker 12<sup>th</sup> grade  
*Cancer Eye: Probing the Squamous Cell Carcinoma/Matrix*  
*Metalloproeinase Connection*  
Woodlin School Woodrow

**3rd Place**

Tejaswini More 12<sup>th</sup> grade  
*Functional Analysis of ZALK-8, a Novel Type I T6F-B*  
*Receptor in Zebrafish*  
George Washington High School Denver

**Honorable Mention**

Lauren Iske 12<sup>th</sup> grade  
*Oral Glutamine Supplementation on Plasma Glutamine and*  
*Tissue PGE2 Levels in Dogs*  
Hi-Plains Jr/Sr High School Seibert

**Honorable Mention**

Emily Hyatt 9<sup>th</sup> grade  
*The Assessment of Different Mechanisms of Gene Transfer*  
Rocky Mountain Hebrew Academy Denver

**Honorable Mention**

Erin Shelton 11<sup>th</sup> grade  
*"Got Milk?"*  
Weld Central Jr/Sr High School Keenesburg

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**Junior Division****Team Projects**

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**1st Place**

Erika Langhart & Kelsea Ferrato 7<sup>th</sup> grade  
*Florida River Water Health Analysis*  
Miller Middle School Durango

**2nd Place**

Peggy Tautz & Sarah Blei 6<sup>th</sup> grade  
*Which Type of Bridge Holds the Most Weight?*  
Goddard Middle School Littleton

**3rd Place**

Alex Terrien & Brian Austin 8<sup>th</sup> grade  
*Which Procedure Is the Best Way to Germinate Lupine*  
*Seeds?*  
Mount Garfield Middle School Clifton

**Honorable Mention**

Melissa Mills & Lupe Salazar 8<sup>th</sup> grade  
*Waste Not, Chill Not*  
Walsh Jr/Sr High School Walsh

**Honorable Mention**

Charley Frazee & Sarah Alley 8<sup>th</sup> grade  
*Heat It Up*  
Walsh Jr/Sr High School Walsh

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**Senior Division****Team Projects**

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**1st Place**

Eric Doner & Ely Walker 10<sup>th</sup> grade  
*Pollution in Groundwater Study II*  
Walsh Jr/Sr High School Walsh

**2nd Place**

Jessica McAlister & Jamie Johnson 10<sup>th</sup> grade  
*The Colored Light at the End of the Tunnel*  
Palmer High School Colorado Springs

**3rd Place**

Jason Smith, BJ Knuppel, & Leo Gracik 10<sup>th</sup> grade  
*Blown Away: The Effects of Farming Techniques on Wind*  
*Erosion*  
Pawnee School Grover

**Honorable Mention**

Lindsay Henjum & Michelle Seffrood 10<sup>th</sup> grade  
*E. coli on the Move*  
Palmer High School Colorado Springs

**Honorable Mention**

Markelle Gray & Erin Divins 9<sup>th</sup> grade  
*The Effects of Marine Pollution on Polysiphonia*  
Heath Junior High School Greeley

# 2000 Colorado Science and Engineering Fair Special Awards Press Release

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## Colorado Science and Engineering Fair

### *Ralph Desch Memorial Technical Writing Award*

Pavan Sekhar 12<sup>th</sup> grade  
 \$100, certificate  
 Cherry Creek High School Greenwood Village  
*Phytoextraction and Rhizofiltration of Toxic Metals*

### *Student Choice Award*

Rebecca Whitlock 6<sup>th</sup> grade  
 \$25, trophy  
 Cotopaxi School Cotopaxi  
*Is It Worth It?*

Ryan Patterson 10<sup>th</sup> grade  
 \$25, trophy  
 Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

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## Military

### United States Air Force

Alex Lyddon 8<sup>th</sup> grade  
 certificate, medal  
 Euclid Middle School Littleton  
*Gyroscopic Speeds in Stabilization*

Kevin Weber 7<sup>th</sup> grade  
 certificate, medal, planner  
 Challenger Middle School Colorado Springs  
*To Fly or Not to Fly? Exploring Airfoils and Lift*

Steve Wilson 8<sup>th</sup> grade  
 certificate, medal, planner  
 Summit Middle School Boulder  
*Terminating Turbulence*

Michael Graybill 9<sup>th</sup> grade  
 certificate, medal  
 Christian Fellowship School Lakewood  
*Air Resistance on Model Rockets*

Ben Grass 9<sup>th</sup> grade  
 certificate, medal, planner  
 Cherry Creek High School Greenwood Village  
*A Comparative Study of the Aerodynamic Efficiency of Newer and Older Body Styles of Pick-up Trucks*

Shere Brisendine 12<sup>th</sup> grade  
 certificate, medal, planner  
 Walsh Jr/Sr High School Walsh  
*Germ Warfare*

## United States Army

Rena Sessions 11<sup>th</sup> grade  
 certificate, \$50 savings bond  
 Merino Jr/Sr High School Merino  
*Do Hemolymph and Cell Suspension Decrease Paralysis in *Munduca sexta*?*

Melina Pastore 10<sup>th</sup> grade  
 certificate, \$50 savings bond  
 Monte Vista High School Monte Vista  
*Welcome to the Collembola Cafe*

Kevin Christopher 11<sup>th</sup> grade  
 certificate, \$50 savings bond  
 Cherry Creek High School Greenwood Village  
*Neural Networks for Constellation Identification*

Ryan Patterson 10<sup>th</sup> grade  
 certificate, \$50 savings bond  
 Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

Jessica Caver 9<sup>th</sup> grade  
 certificate, \$50 savings bond  
 Woodlin School Woodrow  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*

## United States Navy and United States Marine Corps

Ryan Patterson 10<sup>th</sup> grade  
 certificate, graphing calculator  
 Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

Benjamin Staub 10<sup>th</sup> grade  
 certificate, graphing calculator  
 Greeley West High School Greeley  
*Combating Resistance to Penicillin in *Staphylococcus epidermis**

Stephen Canham 10<sup>th</sup> grade  
 certificate, graphing calculator  
 Cherry Creek High School Greenwood Village  
*Dandelions: The Medicinal Weed?*

Ben Grass 9<sup>th</sup> grade  
 certificate, graphing calculator  
 Cherry Creek High School Greenwood Village  
*A Comparative Study of the Aerodynamic Efficiency of Newer and Older Body Styles of Pick-up Trucks*

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## Organizational

### Air and Waste Management Association Rocky Mountain States Section

Katherine Hermann 7<sup>th</sup> grade  
 certificate, \$50  
 Southern Hills Middle School Boulder  
*The Chemicals and Plant Life in Boulder Creek*

Kalen Meine 7<sup>th</sup> grade  
certificate, \$100  
Mackintosh Academy Denver  
*Talkin' Trash: From Garbage to Gas*

Pavan Sekhar 12<sup>th</sup> grade  
certificate, \$50  
Cherry Creek High School Greenwood Village  
*Phytoextraction and Rhizofiltration of Toxic Metals*

Ryan Schnell 11<sup>th</sup> grade  
certificate, \$100  
Fairview High School Boulder  
*Aerosol Black Carbon As a Possible Air Pollution Measurement*

### American Association of University Women

Lauren Smith 7<sup>th</sup> grade  
\$100  
Mountain Ridge Middle School Colorado Springs  
*Fun with Fungi: The Effects of pH on Yeast Growth*

### American Institute of Chemical Engineers Rocky Mountain Section

Pavan Sekhar 12<sup>th</sup> grade  
\$50  
Cherry Creek High School Greenwood Village  
*Phytoextraction and Rhizofiltration of Toxic Metals*

Kalen Meine 7<sup>th</sup> grade  
\$100  
Mackintosh Academy Denver  
*Talkin' Trash: From Garbage to Gas*

### American Meteorological Society Denver/Boulder Chapter

Kayla Harris 6<sup>th</sup> grade  
certificate, subscription to Weatherwise magazine, weather radio  
Lamar Middle School Lamar  
*What Does It Take to Be a Weather Watcher?*

Ryan Schnell 11<sup>th</sup> grade  
certificate, subscription to Weatherwise magazine, weather radio  
Fairview High School Boulder  
*Aerosol Black Carbon As a Possible Air Pollution Measurement*

### American Vacuum Society Rocky Mountain Chapter

Adam Sidman 6<sup>th</sup> grade  
\$50, \$50 for winner's school  
North Middle School Colorado Springs  
*Flywheels: A New Spin on Energy Storage*

Keith Dean 8<sup>th</sup> grade  
\$100, \$100 for winner's school  
Bookcliff Middle School Grand Junction  
*Stabilized Levitation Assisted by Diamagnetic Repulsion*

Caleb Creel 12<sup>th</sup> grade  
\$50, \$50 for winner's school  
Pagosa Springs High School Pagosa Springs  
*The Fabrication, Testing and Analysis of a YBCO High Temperature Ceramic Superconductor*

Krista Davies 12<sup>th</sup> grade  
\$100, \$100 for winner's school  
Brush High School Brush  
*The Effects of Varying Wavelengths on Liesegang Rings*

### American Welding Society Colorado Section

Anne McLaughlin 6<sup>th</sup> grade  
\$25, trophy  
Miller Middle School Durango  
*Prosthetics*

Jessica Caver 9<sup>th</sup> grade  
\$25, trophy  
Woodlin School Woodrow  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*

### Analex Corporation

William Hickey 12<sup>th</sup> grade  
certificate, \$100  
Brush High School Brush  
*Orderly Ants*

### ASM International Rocky Mountain Chapter

Jessica Caver 9<sup>th</sup> grade  
\$50  
Woodlin School Woodrow  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*

Caleb Creel 12<sup>th</sup> grade  
\$75  
Pagosa Springs High School Pagosa Springs  
*The Fabrication, Testing and Analysis of a YBCO High Temperature Ceramic Superconductor*

### Association for Women Geoscientists Denver Chapter

Aanna Blacker 7<sup>th</sup> grade  
\$50, rock sample  
Alta Vista Charter School Lamar  
*Landfills vs. Recycling*

Michelle Lyons 12<sup>th</sup> grade  
\$50, rock sample  
Rifle High School Rifle  
*Single Celled Spelunkers . . . The Microbes of Glenwood Canyon*

### Colorado Association of Science Teachers

Kalen Meine 7<sup>th</sup> grade  
\$50, certificate  
Mackintosh Academy Denver  
*Talkin' Trash: From Garbage to Gas*

Alex Lyddon 8<sup>th</sup> grade  
\$50, certificate  
Euclid Middle School Littleton  
*Gyroscopic Speeds in Stabilization*

Ryan Patterson 10<sup>th</sup> grade  
\$50, certificate  
Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

Henry Berkowitz 11<sup>th</sup> grade  
\$50, certificate  
Cherry Creek High School Greenwood Village  
*Applying Heflon to Windshields*



## Colorado Biology Teachers Association

Collin Weber \$25, plaque Merino Jr/Sr High School <i>How Low Can You Go? A Possible Treatment for Corn and Freezing Temperatures</i>	7 <sup>th</sup> grade Merino
Lauren Iske \$25, plaque Hi-Plains Jr/Sr High School <i>Oral Glutamine Supplementation on Plasma Glutamine and Tissue PGE2 Levels in Dogs</i>	12 <sup>th</sup> grade Seibert

## Colorado Dental Association

Melissa Timko \$25, plaque Merino Jr/Sr High School <i>Spit for Science! The Caries Question Answered by Class</i>	7 <sup>th</sup> grade Merino
Heather Wright \$50, plaque, Akron High School <i>Identifying the Amount of Hg Leached from Silver Dental Amalgams</i>	12 <sup>th</sup> grade Akron

## Colorado Foundation for Agriculture *Agriculture in the Classroom Award*

Janessa Dermer certificate, \$50 Merino Jr/Sr High School <i>Beef's Protection Against E. coli Infection – Corn or Hay?</i>	7 <sup>th</sup> grade Merino
Nathan Davidson certificate, \$50 Monte Vista High School <i>Potato Virus Y Spread in Potatoes</i>	11 <sup>th</sup> grade Monte Vista

## Colorado Geological Survey

Emily Rosa \$75 Liberty Common School <i>Geodesy – Measuring the Earth with Original Instruments</i>	8 <sup>th</sup> grade Fort Collins
Evan Burgess \$75 Fairview High School <i>Predicting Avalanche Risk</i>	11 <sup>th</sup> grade Boulder

## Colorado Medical Society

Lauren Neher \$100 Home Schooled <i>Antiseptics: Their Purpose and Function</i>	8 <sup>th</sup> grade Brush
Benjamin Staub \$100 Greeley West High School <i>Combating Resistance to Penicillin in Staphylococcus epidermis</i>	10 <sup>th</sup> grade Greeley

## Colorado Mineral Society

Edward Munsell \$25, 2 mineral specimens, certificate, book St. John the Evangelist Catholic School <i>Crystals – What Affects Their Size, Shape and Hardness?</i>	8 <sup>th</sup> grade Loveland
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Jeremy Walter \$25, 2 mineral specimens, certificate, book Challenger Middle School <i>Can Buildings Withstand an Earthquake?</i>	7 <sup>th</sup> grade Colorado Springs
Michelle Lyons \$25, 2 mineral specimens, certificate, book Rifle High School <i>Single Celled Spelunkers . . . The Microbes of Glenwood Canyon</i>	12 <sup>th</sup> grade Rifle
Katherine Muterspaugh \$25, 2 mineral specimens, certificate, book Palmer High School <i>Shake, Rattle and Roll</i>	9 <sup>th</sup> grade Colorado Springs

## Colorado Mycological Society

Wendi Swan \$25, book on fungi, certificate Woodlin School <i>Contributions Towards a Monograph of Cytospora Species in Colorado</i>	11 <sup>th</sup> grade Woodrow
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## Colorado Psychological Society

Talia Rubin certificate, psychology textbook Rocky Mountain Hebrew Academy <i>Is Your Mood Affected By the Weather?</i>	8 <sup>th</sup> grade Denver
Brian Camley certificate, psychology textbook Palmer High School <i>Of Mice and Men: Amazing Tales</i>	9 <sup>th</sup> grade Colorado Springs
Katie Smith certificate, psychology textbook Weld Central Jr/Sr High School <i>Does TV Violence and Its Effect on the Hypothalamus Make Us More Susceptible to Violent Acts?</i>	10 <sup>th</sup> grade Keenesburg

## Colorado Scientific Society

Karla Harris \$50 Wiggins Jr/Sr High School <i>Edible Rocks: The Collection and Classification of Micro-Meteorites</i>	7 <sup>th</sup> grade Wiggins
Emily Rosa \$75 Liberty Common School <i>Geodesy – Measuring the Earth with Original Instruments</i>	8 <sup>th</sup> grade Fort Collins
Evan Burgess \$75 Fairview High School <i>Predicting Avalanche Risk</i>	11 <sup>th</sup> grade Boulder
Paul Valdez \$100 John Mall High School <i>Sands of Time</i>	12 <sup>th</sup> grade Walsenburg

## Colorado Section of the American Chemical Society

Megan Malon certificate, savings bond North Middle School <i>The Relationship between the Solubility of Compounds and Rates of Evaporation</i>	8 <sup>th</sup> grade Colorado Springs
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Caleb Creel 12<sup>th</sup> grade  
certificate, cash award  
Pagosa Springs High School Pagosa Springs  
*The Fabrication, Testing and Analysis of a YBCO High  
Temperature Ceramic Superconductor*

### Colorado State University

#### Dept. of Biochemistry & Molecular Biology

Tejaswini More 12<sup>th</sup> grade  
certificate, \$100  
George Washington High School Denver  
*Functional Analysis of ZALK-8, a Novel Type I T6F-B Receptor, in  
Zebrafish*

### Colorado State University

#### Department of Chemistry

Tracy Douglass 8<sup>th</sup> grade  
\$100  
Woodlin School Woodrow  
*Determining the Corrosion Resistance and Degradation of Treated  
Iron Nails*

Burgandy Brown 9<sup>th</sup> grade  
\$100  
Skyview High School Thornton  
*The Chemistry of Photography Using Salted Paper Prints*

### Colorado State University

#### Dept. of Horticulture & Landscape Architecture

David Bonomo 6<sup>th</sup> grade  
\$100  
St. John the Evangelist Catholic School Loveland  
*Which Way Is Up?*

Nathan Davidson 11<sup>th</sup> grade  
\$100  
Monte Vista High School Monte Vista  
*Potato Virus Y Spread in Potatoes*

### Colorado Sustainability Project, Inc.

Kate Quick 8<sup>th</sup> grade  
\$50, book on sustainability  
North Middle School Colorado Springs  
*Recycling Water Using Aquatic Plants*

Aanna Blacker 7<sup>th</sup> grade  
\$100, book on sustainability  
Alta Vista Charter School Lamar  
*Landfills vs. Recycling*

Natalie Barnes 11<sup>th</sup> grade  
\$50, book on sustainability  
Woodlin School Woodrow  
*Oscar the Grouch's Fine Wine: The Conversion of Biomass to an  
Energy Intensive Fuel Source*

Megan McDavid 9<sup>th</sup> grade  
\$100, book on sustainability  
Palmer High School Colorado Springs  
*Let There Be Light!*

### Colorado Veterinary Medical Association

Janessa Dermer 7<sup>th</sup> grade  
certificate, gold medallion, \$50  
Merino Jr/Sr High School Merino  
*Beef's Protection Against E. coli Infection – Corn or Hay?*

Amanda Baker 12<sup>th</sup> grade  
certificate, gold medallion, \$50  
Woodlin School Woodrow  
*Cancer Eye: Probing the Squamous Cell Carcinoma/Matrix  
Metalloproeinase Connection*

### Fort Collins Soil Conservation District

Joel Martin & Cody Jolly 7<sup>th</sup> grade  
\$50, plaque  
Genoa-Hugo School Hugo  
*Reducing Water Erosion on Farmland*

Mary Grace Beard 10<sup>th</sup> grade  
\$50, plaque  
Walsh Jr/Sr High School Walsh  
*Microbial Decontamination of Soil*

### Hach Scientific Foundation

Katherine Hermann 7<sup>th</sup> grade  
\$50  
Southern Hills Middle School Boulder  
*The Chemicals and Plant Life in Boulder Creek*

Michael York 7<sup>th</sup> grade  
\$75  
Brentwood Middle School Greeley  
*Nitrates in Different Types of Soil*

Doug Krause 8<sup>th</sup> grade  
\$100  
Rocky Mountain Hebrew Academy Denver  
*What Are the Effects of Acid Rain on the Cell Structure of  
Spirogyra?*

### Institute of Arctic and Alpine Research

#### University of Colorado

Erika Langhart & Kelsea Ferrato 7<sup>th</sup> grade  
Certificate, baseball cap, subscription to institute's academic  
journal  
Miller Middle School Durango  
*Florida River Water Health Analysis*

### Kodak Colorado Division

Erika Langhart & Kelsea Ferrato 7<sup>th</sup> grade  
35mm camera  
Miller Middle School Durango  
*Florida River Water Health Analysis*

Amanda Baker 12<sup>th</sup> grade  
35mm camera  
Woodlin School Woodrow  
*Cancer Eye: Probing the Squamous Cell Carcinoma/Matrix  
Metalloproeinase Connection*

### Lockheed Martin Astronautics

Ryan Patterson 10<sup>th</sup> grade  
Blue Planet, The Dream is Alive (books)  
Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

### National Geophysical Data Center

Emily Rosa 8<sup>th</sup> grade  
certificate, plaque, \$100 savings bond  
Liberty Common School Fort Collins  
*Geodesy – Measuring the Earth with Original Instruments*

## National Renewable Energy Laboratory

Kalen Meine 7<sup>th</sup> grade  
\$100  
Mackintosh Academy Denver  
*Talkin' Trash: From Garbage to Gas*

## Rocky Mountain Association of Geologists

Edward Munsell 8<sup>th</sup> grade  
certificate, cash award (to be mailed to the winners)  
St. John the Evangelist Catholic School Loveland  
*Crystals – What Affects Their Size, Shape and Hardness?*

Paul Valdez 12<sup>th</sup> grade  
certificate, cash award (to be mailed to the winners)  
John Mall High School Walsenburg  
*Sands of Time*

## Rocky Mountain Bioengineering Symposium

Keri Propst 11<sup>th</sup> grade  
Lodging, banquet tickets for two to present project at conference  
Merino Jr/Sr High School Merino  
*Stopping Stroke Damage: A Quantitative Approach to Reduce Malondialdehyde with Ascorbic Acid*

## Rocky Mountain Inventors & Entrepreneurs Congress

Kyle Cureau 8<sup>th</sup> grade  
\$50  
Berry Creek Middle School Edwards  
*The Force Is with You*

Dusty Behrens 12<sup>th</sup> grade  
\$50  
Merino Jr/Sr High School Merino  
*Arthritic Articular Joints – Is the Glucosamine/Chondroitin Sulfate Combo for You?*

## Rocky Mountain Section of the American Water Works Association

Brad Cook 9<sup>th</sup> grade  
trophy, \$50  
Walsh Jr/Sr High School Walsh  
*What's the pH of Your Water?*

Josh Dember 11<sup>th</sup> grade  
trophy, \$75  
Rocky Mountain Hebrew Academy Denver  
*Water Quality*

Katie Gelvin 11<sup>th</sup> grade  
trophy, \$100  
Liberty High School Joes  
*Water: Let's Make It Perfectly Clear!*

## Rocky Mountain Section of the Optical Society of America

Ian Cain 8<sup>th</sup> grade  
subscription to Discover magazine, certificate  
Dolores Middle School Dolores  
*Solar Cell Performance*

Thomas Liu 12<sup>th</sup> grade  
subscription to Discover magazine, certificate  
Cherry Creek High School Greenwood Village  
*Mathematical Modeling of Fringe Patterns from Double Stars*

## Rocky Mountain Water Environment Association

Kelsea Ferrato & Erika Langhart 7<sup>th</sup> grade  
savings bond (to be mailed to the winners)  
Miller Middle School Durango  
*Florida River Water Health Analysis*

Corey Swanson 7<sup>th</sup> grade  
savings bond (to be mailed to the winners)  
Fort Lupton Middle School Fort Lupton  
*From Household Chemicals to Injection Wells: Are We Ruining Weld County's Water?*

Carys Horgan & Courtney Cudlip 9<sup>th</sup> grade  
savings bond (to be mailed to the winners)  
Cherry Creek High School Greenwood Village  
*The Effectiveness of Anacharis in Phytoremediation of Aqueous Copper Pollution*

Eric Doner 10<sup>th</sup> grade  
savings bond (to be mailed to the winners)  
Walsh Jr/Sr High School Walsh  
*Pollution in Groundwater Study II*

## Space Imaging

Emily Rosa 8<sup>th</sup> grade  
National Geographic Satellite Atlas of the World, IKONOS First Image of Washington DC Poster, IKONOS Launch Video  
Liberty Common School Fort Collins  
*Geodesy – Measuring the Earth with Original Instruments*

## Society of Manufacturing Engineers Chapter 354, Electro-Mechanical

Jessica Caver 9<sup>th</sup> grade  
certificate, \$50  
Woodlin School Woodrow  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*

## Society of Women Engineers Rocky Mountain Chapter

Jamie Karp 8<sup>th</sup> grade  
\$40, certificate  
Holy Family Catholic School Grand Junction  
*Fabulous Frequencies: Harmonics of a Single and Open-Ended Pipe*

Anne McLaughlin 6<sup>th</sup> grade  
\$60, certificate  
Miller Middle School Durango  
*Prosthetics*

Natalie Barnes 11<sup>th</sup> grade  
\$40, certificate  
Woodlin School Woodrow  
*Oscar the Grouch's Fine Wine: The Conversion of Biomass to an Energy Intensive Fuel Source*

Leota McDaniel 9<sup>th</sup> grade  
\$60, certificate  
Brush High School Brush  
*Designing a MAV*

**Soil and Water Conservation Society  
Colorado Chapter**

Kate Quick 8<sup>th</sup> grade  
\$50, \$100 voucher from Hach Company, certificate, ribbon  
North Middle School Colorado Springs  
*Recycling Water Using Aquatic Plants*

Mary Grace Beard 10<sup>th</sup> grade  
\$50, \$100 voucher from Hach Company, certificate, ribbon  
Walsh Jr/Sr High School Walsh  
*Microbial Decontamination of Soil*

**Tracy Teyler Memorial  
Poster Art Contest**

Trixi Lee 10<sup>th</sup> grade  
\$100, certificate  
Fleming High School Fleming

**United States Department of Commerce**

Michelle Lyons 12<sup>th</sup> grade  
plaque  
Rifle High School Rifle  
*Single Celled Spelunkers . . . The Microbes of Glenwood Canyon*

Thomas Liu 12<sup>th</sup> grade  
plaque  
Cherry Creek High School Greenwood Village  
*Mathematical Modeling of Fringe Patterns from Double Stars*

Paul Valdez 12<sup>th</sup> grade  
plaque  
John Mall High School Walsenburg  
*Sands of Time*

**United States Geological Survey**

Emily Rosa 8<sup>th</sup> grade  
Liberty Common School Fort Collins  
*Geodesy – Measuring the Earth with Original Instruments*

Paul Valdez 12<sup>th</sup> grade  
John Mall High School Walsenburg  
*Sands of Time*

**Yale University Science & Engineering Association**

Natalie Barnes 11<sup>th</sup> grade  
certificate, pewter medallion (mailed to the winner)  
Woodlin School Woodrow  
*Oscar the Grouch's Fine Wine: The Conversion of Biomass to an Energy Intensive Fuel Source*

**Zonta Club of Boulder County**

*Amelia Earhart Award*

Corinne D'Ippolito 8<sup>th</sup> grade  
\$100  
Summit Middle School Boulder  
*The Modern Day Milky Way: What Can We Find Out About It?*

**Scholarships**

**Adams State College Foundation**

*Adams State College Scholarship*

Scott Lancaster 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Walsh Jr/Sr High School Walsh  
*Microbial Fuel Cells*

Evan Burgess 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Fairview High School Boulder  
*Predicting Avalanche Risk*

Mary Grace Beard 10<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Walsh Jr/Sr High School Walsh  
*Microbial Decontamination of Soil*

Natalie Barnes 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Woodlin School Woodrow  
*Oscar the Grouch's Fine Wine: The Conversion of Biomass to an Energy Intensive Fuel Source*

Jennifer Green 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Merino Jr/Sr High School Merino  
*Bouncing: A Sensory Integration Technique for Children with Autism*

Isabelle Zaugg 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Centauri High School La Jara  
*Can Losing Strategies Win? Parrondo's Paradox*

Krista Davies 12<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Brush High School Brush  
*The Effects of Varying Wavelengths on Liesegang Rings*

Eric Oestman 11<sup>th</sup> grade  
one year full resident tuition & fees scholarship  
Wray High School Wray  
*Home for the Homeless Ladybugs*

**Colorado School of Mines**

*Colorado School of Mines Scholarship*

Will Helling 12<sup>th</sup> grade  
one-year \$1,000 scholarship  
Weld Central Jr/Sr High School Greeley  
*Object Recognition Through the Use of Linear Neural Networks*

Paul Valdez 12<sup>th</sup> grade  
four-year \$2,000 scholarship  
John Mall High School Walsenburg  
*Sands of Time*

Krista Davies 12<sup>th</sup> grade  
four-year \$2,000 scholarship  
Brush High School Brush  
*The Effects of Varying Wavelengths on Liesegang Rings*

Michelle Lyons 12<sup>th</sup> grade  
four-year \$2,000 scholarship  
Rifle High School Rifle  
*Single Celled Spelunkers . . . The Microbes of Glenwood Canyon*

Thomas Liu 12<sup>th</sup> grade  
four-year full tuition scholarship  
Cherry Creek High School Greenwood Village  
*Mathematical Modeling of Fringe Patterns from Double Stars*

**Colorado State University**  
*Colorado State University Scholarship*

Pavan Sekhar 12<sup>th</sup> grade  
renewable \$1,000 scholarship  
Cherry Creek High School Greenwood Village  
*Phytoextraction and Rhizofiltration of Toxic Metals*

Benjamin Staub 10<sup>th</sup> grade  
renewable \$1,000 scholarship  
Greeley West High School Greeley  
*Combating Resistance to Penicillin in Staphylococcus epidermis*

Kevin Christopher 11<sup>th</sup> grade  
renewable \$1,000 scholarship  
Cherry Creek High School Greenwood Village  
*Neural Networks for Constellation Identification*

Jessica Caver 9<sup>th</sup> grade  
renewable \$1,000 scholarship  
Woodlin School Woodrow  
*Determining the Effects of Annealing on a Metallurgical Explosive Bond*

Rena Sessions 11<sup>th</sup> grade  
renewable \$1,000 scholarship  
Merino Jr/Sr High School Merino  
*Do Hemolymph and Cell Suspension Decrease Paralysis in *Munduca sexta*?*

*Colorado State University All Fair Scholarship*

Ryan Patterson 10<sup>th</sup> grade  
renewable \$2,500 scholarship  
Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

Milena Pastore 10<sup>th</sup> grade  
renewable \$2,500 scholarship  
Monte Vista High School Monte Vista  
*Welcome to the Collembola Cafe*

Thomas Liu 12<sup>th</sup> grade  
renewable \$2,500 scholarship  
Cherry Creek High School Greenwood Village  
*Mathematical Modeling of Fringe Patterns from Double Stars*

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**Science Service**

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**Conservation International**

*Award in Biodiversity Conservation Science 2000*

Shannon George 10<sup>th</sup> grade  
certificate, t-shirt  
Woodlin School Woodrow  
*Desert Remediation: Selecting for Salt Tolerant Native Grasses*

**Discovery Communications, Inc.**

*Discovery Young Scientist Challenge*

Lauren Smith 7<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Mountain Ridge Middle School Colorado Springs  
*Fun with Fungi: The Effects of pH on Yeast Growth*

Emily Rosa 8<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Liberty Common School Fort Collins  
*Geodesy – Measuring the Earth with Original Instruments*

Kevin Weber 7<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Challenger Middle School Colorado Springs  
*To Fly or Not to Fly? Exploring Airfoils and Lift*

Kalen Meine 7<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Mackintosh Academy Denver  
*Talkin' Trash: From Garbage to Gas*

Kira Newman 6<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Rick's Center for Gifted Children Denver  
*The Effect of Cadmium on Macrophages*

Nyssa Walker 8<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Community Christian School Thornton  
*Playing by the Numbers*

Robin Blenden 6<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Monte Vista Middle School Monte Vista  
*Inductrack Maglev: Phase I*

Hildur Boylston 7<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Summit Middle School Boulder  
*Beetle Juice*

Erika Langhart & Kelsea Ferrato 7<sup>th</sup> grade  
certificate, DYSC nomination, t-shirt will be provided to those  
submitting their projects for competition  
Miller Middle School Durango  
*Florida River Water Health Analysis*

**Eastman Kodak Company**

Teresa Bloemker 12<sup>th</sup> grade  
certificate, Kodak camera and film (mailed later)  
Brush High School Brush  
*Turning Up the Beat*

**Herbert Hoover Presidential Library Association**

*The Herbert Hoover Young Engineer Award*

Ryan Patterson 10<sup>th</sup> grade  
medallion, certificate  
Central High School Grand Junction  
*Sleuthbot: A Robotic Search Tool*

**Intel Corporation**

*Intel Excellence in Computer Science Award*

Kevin Christopher 11<sup>th</sup> grade  
certificate, \$200 (mailed later)  
Cherry Creek High School Greenwood Village  
*Neural Networks for Constellation Identification*

*Intel Excellence in Environmental Health & Safety  
Award*

Milena Pastore 10<sup>th</sup> grade  
certificate, \$200 (mailed later)  
Monte Vista High School Monte Vista  
*Welcome to the Collembola Cafe*

**National Council of Teachers of Mathematics**

Nicholas Hall 11<sup>th</sup> grade  
Certificate, NCTM publication  
Cherry Creek High School Greenwood Village  
*The Higher Dimensions of Spheres*

**Society for In Vitro Biology**

Scott Lancaster 11<sup>th</sup> grade  
certificate  
Walsh Jr/Sr High School Walsh  
*Microbial Fuel Cells*

**United States Public Health Service**

Kira Newman 6<sup>th</sup> grade  
certificate  
Rick's Center for Gifted Children Denver  
*The Effect of Cadmium on Macrophages*

**Water Environment Federation**

*Stockholm Junior Water Prize*

Katherine Hermann 7<sup>th</sup> grade  
certificate  
Southern Hills Middle School Louisville  
*The Chemicals and Plant Life in Boulder Creek*