Press Release

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

April 5 - 7, 2007
in the Lory Student Center
at Colorado State University
Fort Collins, Colorado
### 2007 Colorado Science and Engineering Fair
**Special Awards Press Release**

#### Junior Division

<table>
<thead>
<tr>
<th>Best Individual Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Place</strong></td>
</tr>
<tr>
<td>Erik Schnaderbeck</td>
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<td><em>What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries</em></td>
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<tr>
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<td><em>Stop! Type 2 Diabetes in Adolescents</em></td>
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### Senior Division

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<td><em>Reading Fingers: A System for Automatic Guitar Composition</em></td>
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<tr>
<td>Herzl Rocky Mountain Hebrew Academy</td>
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<td>Denver</td>
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<table>
<thead>
<tr>
<th>Best Team Projects</th>
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<tbody>
<tr>
<td><strong>First Place</strong></td>
</tr>
<tr>
<td>Jonathan Bentley &amp; Michelle Saipe</td>
</tr>
<tr>
<td>8th grade</td>
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<tr>
<td><em>Cancer Myths: Are They True? (A Study of the Effects of Vitamins &amp; Chemicals on HeLa Cell Growth)</em></td>
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<td>Stanley British Primary School</td>
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<td>Denver</td>
</tr>
<tr>
<td><strong>Second Place</strong></td>
</tr>
<tr>
<td>Aiden Acquisto &amp; Jaimie Smith</td>
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<tr>
<td>6th grade</td>
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<tr>
<td><em>Reaction with Distraction</em></td>
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<tr>
<td>Stanley British Primary School</td>
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<td>Denver</td>
</tr>
<tr>
<td><strong>Third Place</strong></td>
</tr>
<tr>
<td>Callie Varra</td>
</tr>
<tr>
<td>8th grade</td>
</tr>
<tr>
<td><em>What Grade Is Your Egg?</em></td>
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<tr>
<td>Fruita 8/9 School</td>
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<tr>
<td>Colorado Springs</td>
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<tr>
<td><strong>Third Place</strong></td>
</tr>
<tr>
<td>Laramie Ulam &amp; Brentley Bodycomb</td>
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<tr>
<td>12th grade</td>
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<tr>
<td><em>Optimum Growth of Artemia Salina</em></td>
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<tr>
<td>Canon City High School</td>
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### Junior Division

<table>
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<tr>
<th>Animal Sciences</th>
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<tbody>
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<td>Erik Schnaderbeck</td>
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<td>Monte Vista</td>
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<tr>
<td><strong>Second Place</strong></td>
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<tr>
<td>Nakayla Lestina</td>
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<tr>
<td>7th grade</td>
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<tr>
<td><em>Biological Control of Canada Thistle - Analyzing Three Natural Insect Enemies</em></td>
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<tr>
<td>Dove Creek Middle School</td>
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<td>Dove Creek</td>
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### Senior Division

#### Animal Sciences

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<th>School</th>
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<tbody>
<tr>
<td>First</td>
<td>DJ Horton</td>
<td>12th</td>
<td>Hotchkiss High School</td>
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<tr>
<td></td>
<td><strong>Biological Control of a Common Corn Criminal: Phase 4</strong></td>
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<tr>
<td>Second</td>
<td>Caleb Kruse</td>
<td>9th</td>
<td>Home School</td>
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<td></td>
<td><strong>C The Difference: The Effect of Ascorbic Acid on Fragmented Coral</strong></td>
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<tr>
<td>Third</td>
<td>Katlin Hornig</td>
<td>10th</td>
<td>Sargent Jr/Sr High School</td>
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<tr>
<td></td>
<td><strong>The Equine Emotional and Physical Behavior Connection</strong></td>
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<td>Honorable Mention</td>
<td>Weston Charles</td>
<td>10th</td>
<td>Arriba-Flagler School</td>
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<td></td>
<td><strong>Fowl Company</strong></td>
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<tr>
<td>Team Nomination</td>
<td>Laramie Ulam &amp; Brentley Bodycomb</td>
<td>12th</td>
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#### Behavioral & Social Sciences

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<th>Position</th>
<th>Name</th>
<th>Grade</th>
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<tbody>
<tr>
<td>First</td>
<td>Rachel Wynn</td>
<td>11th</td>
<td>Coronado High School</td>
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<tr>
<td></td>
<td><strong>Social Cognition and Working Memory</strong></td>
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<tr>
<td>Second</td>
<td>Kevin Howard</td>
<td>12th</td>
<td>Boulder High School</td>
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<td></td>
<td><strong>Chord Processing and the Critical Band</strong></td>
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<td>Third</td>
<td>Julia Leonard</td>
<td>11th</td>
<td>Palmer High School</td>
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<td><strong>From Plague to Bird Flu: The Media's Influence in Mass Hysteria</strong></td>
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<tr>
<td>Honorable Mention</td>
<td>Heather Anderson</td>
<td>10th</td>
<td>Peyton High School</td>
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<td><strong>Can Spiders Party?</strong></td>
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<td>Team Nomination</td>
<td>Dustin Brady</td>
<td>11th</td>
<td>Wray High School</td>
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<td><strong>Beats of the Brain</strong></td>
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<td><strong>Thinking without Thinking: A Study of Subconscious Biases Towards the Middle East</strong></td>
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### Junior Division

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<tbody>
<tr>
<td>First</td>
<td>Diane Schulze</td>
<td>7th</td>
<td>Cherry Creek Challenge School</td>
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<tr>
<td></td>
<td><strong>Human Embarrassment</strong></td>
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<tr>
<td>Second</td>
<td>Reno Tsosie</td>
<td>8th</td>
<td>Cortez Middle School</td>
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<td><strong>Cultural Relevance in the Navajo Context</strong></td>
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<tr>
<td>Third</td>
<td>Joshua Garcia</td>
<td>8th</td>
<td>Monte Vista Middle School</td>
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<tr>
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<td><strong>Brain Age: How Old Is Your Brain?</strong></td>
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<tr>
<td>Honorable Mention</td>
<td>Jason Francis</td>
<td>7th</td>
<td>Lamar Middle School</td>
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<tr>
<td></td>
<td><strong>Does the Type of Music Affect Your Heart Rate?</strong></td>
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### Junior Division

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

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

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

#### Honorable Mention
Thayer Sauter 6th grade
*Rust*
Wiggins Elementary School Wiggins

#### Junior Division

#### Earth & Space Sciences

#### First Place
Colin Mummery 7th grade
*Ascent from the Deep*
St. Columba School Durango

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

#### Third Place
Alison Seedorf 8th grade
*Soybean Growth*
Yuma Middle School Yuma

#### Junior Division

#### Energy & Transportation

#### First Place
Alex Nickell 7th grade
*Can a Shroud Increase the Electrical Output of a Wind Turbine?*
St. John the Evangelist School Loveland
Second Place
Natashia Barker 8th grade
Burn or Not to Burn: That Is the Question
Haxtun Middle School Haxtun

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

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

Senior Division
Energy & Transportation
First Place
Amanda Rock 12th grade
Biofuels: Oily Alternatives?
Wray High School Wray
Second Place
Mandi Loucks 12th grade
Should Hybrids Fly?
Grand Junction High School Grand Junction
Third Place
Christy Farnsworth 9th grade
Hydrogen a New Twist
Paonia Jr/Sr High School Paonia

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

Junior Division
Engineering
First Place
Nathan Weeks 7th grade
Sound Barrier Designs
The Classical Academy Colorado Springs
Second Place
Charles Bergren 7th grade
AM Loop Antenna Design
Southern Hills Middle School Boulder
Third Place
Morgan Wilson 7th grade
Warming Formula with Formulas
Sargent Jr/Sr High School Monte Vista
Honorable Mention
Addison Kramer 8th grade
Ecologically Friendly Roofing
Cherry Creek Challenge School Denver

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

Senior Division
Engineering
First Place
Daniel Smith 11th grade
Reading Fingers: A System for Automatic Guitar Composition
The Classical Academy Colorado Springs
Second Place
Cameron Kruse 11th grade
The Dirt on Baseball: Standardizing the Baseball Mudding Process
Home School Colorado Springs
Third Place
Ian Donaldson 10th grade
Dynamic Axial Deformation Trends of High-Strength Metal Tube Core Automotive Crush Zones
Broomfield High School Broomfield
Honorable Mention
Maxwell Wheeler 12th grade
A New Frequency for Help! Exploring Propagation Characteristics of the 500 kHz Frequency
Nederland Jr/Sr High School Nederland
Honorable Mention
Daniel Armstrong 12th grade
Designing a Digital Hearing Aid Program
Monte Vista High School Monte Vista

Junior Division
Environmental Sciences
First Place
Alexandra Proietti 8th grade
Fuel of the Future, Toasty with Tamarisk
Holy Family Catholic School Grand Junction
Second Place
Lorne Muir II 7th grade
Hydrophobic Soil Rehabilitation
The Classical Academy Colorado Springs
Third Place
Corey Becker 8th grade
Get'n Down 'n' Dirty
Monte Vista Middle School Monte Vista
Honorable Mention
Rachel Beverlin 7th grade
Geyser Spring: Characteristics of Colorado's Only Geyser
Dolores Middle School Dolores
Honorable Mention
Vincent Burkhardt 7th grade
Do Car Associated Chemicals Affect Daphnia Mortality?
Stanley British Primary School Denver

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

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

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

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

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

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

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

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

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

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

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

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

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

Third Place
Soren Frykholm 8th grade
The Nose Knows: A Better Way to Breathe?
Summit Middle School Boulder
<table>
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<th>Topic</th>
<th>First Place</th>
<th>Second Place</th>
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<tr>
<td>Medicine &amp; Health</td>
<td>Ashley Pollock</td>
<td>Nicholas Greos</td>
<td>Young Kim</td>
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<td>Tissue Distribution and Mitochondrial Function of the Parkinson's Disease Related Protein DJ-1</td>
<td>Evaluation of Concussions in Teen Sports</td>
<td>Chlorophyll as a Sunscreening Agent</td>
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<td>Wiggins Jr/Sr High School</td>
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<tr>
<td>Microbiology</td>
<td>Ashleigh West</td>
<td>Lindsey Rugh</td>
<td>Anika Petach</td>
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<td>The Use of UV Light to Sterilize Leafy Vegetables as a Means of Improving Food Safety</td>
<td>Fire on the Mountain Phase II</td>
<td>Tracking and Preventing the Ophiostoma Fungus of the Mountain Pine Bark Beetle</td>
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<td>Hotchkiss High School</td>
<td>Fairview High School</td>
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<td></td>
<td>Daniel Joos</td>
<td>Anika Petaech</td>
<td>Sarah Boyle</td>
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<td>The Effects of Essential Oils on Microspoum Canus Distortum</td>
<td>Tracking and Preventing the Ophiostoma Fungus of the Mountain Pine Bark Beetle</td>
<td>The Effects of L-glutathione and Ampicillin on the Gram-Negative Bacteria: Escherichia coli</td>
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<td>Durango High School</td>
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### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Leslie Hase</td>
<td>12th</td>
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<tr>
<td>A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health</td>
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<tr>
<td>Merino Jr/Sr High School</td>
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### Junior Division

#### Physics

<table>
<thead>
<tr>
<th>Junior Place</th>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Place</td>
<td>Kerry Betz</td>
<td>8th</td>
</tr>
<tr>
<td></td>
<td>Something's Decaying in My Basement</td>
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<tr>
<td></td>
<td>Summit Middle School</td>
<td>Boulder</td>
</tr>
<tr>
<td>Second Place</td>
<td>Rachel Washam</td>
<td>8th</td>
</tr>
<tr>
<td></td>
<td>Hardened without Heat</td>
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<td></td>
<td>St. John the Evangelist School</td>
<td>Loveland</td>
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<tr>
<td>Third Place</td>
<td>Emily Sandner</td>
<td>6th</td>
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<td>Oil; Fact or Friction - Synthetic vs Petroleum</td>
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<td>St. Columba School</td>
<td>Durango</td>
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<tbody>
<tr>
<td>Savannah Lyle</td>
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<td>On a Roll</td>
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<td>North Middle School</td>
<td>Colorado Springs</td>
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#### Team Nomination

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<tbody>
<tr>
<td>Ashlan Hren &amp; Arianna Vierczhalek</td>
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<td>What About the Brakes?!</td>
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<td>Lake County Middle School</td>
<td>Leadville</td>
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#### Physics

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<td>Fairview High School</td>
<td>Boulder</td>
</tr>
<tr>
<td>Second Place</td>
<td>Vicky Li</td>
<td>11th</td>
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<td>Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms</td>
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<tr>
<td></td>
<td>Fairview High School</td>
<td>Boulder</td>
</tr>
<tr>
<td>Third Place</td>
<td>Matt Wenger</td>
<td>12th</td>
</tr>
<tr>
<td></td>
<td>Brillouin Light Scattering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Doherty High School</td>
<td>Colorado Springs</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelby Messer</td>
<td>9th</td>
</tr>
<tr>
<td>High Voltage</td>
<td></td>
</tr>
<tr>
<td>Genoa-Hugo School</td>
<td>Hugo</td>
</tr>
</tbody>
</table>

### Junior Division

#### Plant Sciences

<table>
<thead>
<tr>
<th>Junior Place</th>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Place</td>
<td>Andrew Theobald</td>
<td>8th</td>
</tr>
<tr>
<td></td>
<td>Windy Gardens</td>
<td></td>
</tr>
<tr>
<td></td>
<td>North Middle School</td>
<td>Colorado Springs</td>
</tr>
<tr>
<td>Second Place</td>
<td>Justin Lewton</td>
<td>7th</td>
</tr>
<tr>
<td></td>
<td>The Green Thumb Problem</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weld Central Junior High School</td>
<td>Keenesburg</td>
</tr>
<tr>
<td>Third Place</td>
<td>Amber Vesely</td>
<td>8th</td>
</tr>
<tr>
<td></td>
<td>How Does Your Garden Grow?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Boltz Junior High School</td>
<td>Fort Collins</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danielle Rinaldo</td>
<td>7th</td>
</tr>
<tr>
<td>Lotus Flower Has the Power! The Effect of Nulumbo nucife on Fog Formation</td>
<td></td>
</tr>
<tr>
<td>Merino Jr/Sr High School</td>
<td>Merino</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Billy Carruth</td>
<td>6th</td>
</tr>
<tr>
<td>How Magnetism Effects Plant Growth</td>
<td></td>
</tr>
<tr>
<td>Washington Intermediate School</td>
<td>Walsenburg</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hannah Ekblad</td>
<td>8th</td>
</tr>
<tr>
<td>The Effect of Recycled Newspaper on Pea Germination in a Heavy Clay Soil</td>
<td></td>
</tr>
<tr>
<td>Blevins Junior High School</td>
<td>Fort Collins</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>K C Zinn</td>
<td>7th</td>
</tr>
<tr>
<td>Counting on Canela</td>
<td></td>
</tr>
<tr>
<td>Sargent Jr/Sr High School</td>
<td>Monte Vista</td>
</tr>
</tbody>
</table>

#### Honorable Mention

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anna Rooney</td>
<td>8th</td>
</tr>
<tr>
<td>How Sweet Is Your Potato?</td>
<td></td>
</tr>
<tr>
<td>Sargent Jr/Sr High School</td>
<td>Monte Vista</td>
</tr>
<tr>
<td>First Place</td>
<td>Erin Neumann</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Plant Sciences</td>
<td></td>
</tr>
<tr>
<td>Kaitlyn Lingus</td>
<td></td>
</tr>
<tr>
<td>One &quot;Mite&quot;y Mission: Biological Compensation</td>
<td></td>
</tr>
<tr>
<td>Suppression of Convolvulus arvensis Implementing Host-Specific Aceria malherbae . . Phase III</td>
<td></td>
</tr>
<tr>
<td>Branson School</td>
<td>Branson School</td>
</tr>
<tr>
<td>Sargent Jr/Sr High School</td>
<td>Sargent Jr/Sr High School</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Place</th>
<th>Gabriel Sachter-Smith</th>
<th>12th grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peace of Mind Potential for Current Season Spread in Colorado's Post Harvest Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wray High School</td>
<td>Wray High School</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Place</th>
<th>Erin Neumann</th>
<th>12th grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water on Demand: The Effects of Soil Additives on Plant Growth and Germination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nederland Jr/Sr High School</td>
<td>Nederland Jr/Sr High School</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Honorable Mention</th>
<th>Gabriel Sachter-Smith</th>
<th>12th grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybridization of Edible Diploid Eumusa Varieties and Wild Rhodochlamys Musa Species</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nederland Jr/Sr High School</td>
<td>Nederland Jr/Sr High School</td>
<td></td>
</tr>
</tbody>
</table>
2007 Colorado Science and Engineering Fair
Special Awards Press Release

<table>
<thead>
<tr>
<th>Colorado Science and Engineering Fair</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ralph Desch Memorial Technical Writing Award</strong></td>
</tr>
<tr>
<td>John Huffman 12th grade</td>
</tr>
<tr>
<td>certificate, $100</td>
</tr>
<tr>
<td>Eagle Valley High School Gypsum</td>
</tr>
</tbody>
</table>

*Response of Euglena gracilis to Magnesium Chloride Exposure*

**Poster Art Contest**

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

**Student Choice Award**

Abbi Helfer 7th grade |
| certificate, trophy, $100 |
| North Middle School Colorado Springs |

*Pan-Demonium*

Leslie Hase 12th grade |
| certificate, trophy, $100 |
| Merino Jr/Sr High School Merino |

*A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health*

**Pioneers of Science - George L. C. Cuvier**

Avery DiUbaldo 8th grade |
| certificate, $30 |
| Cherry Creek Challenge School Denver |

*Studies of the Pheromonal Capabilities of the Western Harvester Ant*

**Pioneers of Science - Abraham Maslow**

Majed Aldhamari 8th grade |
| certificate, $30 |
| Blevins Junior High School Fort Collins |

*Chromatic Adaptation*

**Pioneers of Science - Margaret Mead**

Cody Hervert 8th grade |
| certificate, $30 |
| Eagle County Charter Academy Edwards |

*Intoxicated - Intechnicated "What's the Difference"*

**Pioneers of Science - Alfred Bernhard Nobel**

Katie Romano 6th grade |
| certificate, $30 |
| Harrison Middle School Canon City |

*The Day After . . . A Day at the Beach*

**Pioneers of Science - Marie Curie**

Jorge Arredondo 8th grade |
| certificate, $30 |
| Cheyenne Wells Middle School Cheyenne Wells |

*Chlorinated Water vs. Carbon Filters*

**Pioneers of Science - Alfred Lothar Wegner**

Dylan Cleveland 6th grade |
| certificate, $30 |
| Canon City Middle School Canon City |

*Does the Earth Move Under Your Feet?*

**Pioneers of Science - James Prescott Joule**

Taylor Bond 6th grade |
| certificate, $30 |
| St. Peter’s Lutheran School Monte Vista |

*Get Your Head Out of the Cloud Point*

**Pioneers of Science - Sir William Grove**

Isaiah Branch-Boyle 8th grade |
| certificate, $30 |
| St. Columba School Durango |

*Journey to a Hydrogen Future*

**Pioneers of Science - James Buchanan Eads**

Jana Elrick 7th grade |
| certificate, $30 |
| Flagler Public School Flagler |

*Whether it Weathers*

**Pioneers of Science - Nicola Tesla**

Noah Jordan 6th grade |
| certificate, $30 |
| Windsor Charter Academy Windsor |

*A Sticky Situation*

**Pioneers of Science - Rachel Louise Carson**

Alyssa Loveland 7th grade |
| certificate, $30 |
| Lamar Middle School Lamar |

*Did Lamar Receive Any Acid Snow?*

**Pioneers of Science - Charles Babbage**

Joshua Shettler 8th grade |
| certificate, $30 |
| Holy Family Catholic School Grand Junction |

*Mathematical Algorithms and the Physics of a Roller Coaster*

**Pioneers of Science - Albert Schweitzer**

Laci Pennington 7th grade |
| certificate, $30 |
| Lamar Middle School Lamar |

*Does Heat Affect Your Hair Strength?*

**Pioneers of Science - Hippocrates**

Kally Williams 6th grade |
| certificate, $30 |
| Cortez Middle School Cortez |

*How Do Different Beverages Effect Human Teeth?*
Pioneers of Science - Jonas Edward Salk
Brenna Christensen 6th grade
Miller Middle School Durango
Jammin’ Germs

Pioneers of Science - Albert Einstein
Phillip Foy 8th grade
Otis Jr/Sr High School Otis
Amazing Ice

Pioneers of Science - Sir Isaac Newton
Sami Hourieh 6th grade
Parkview Elementary School Lamar
Electromagnets and Iron Bolts

Pioneers of Science - Luther Burbank
Alexa Major 7th grade
Fowler Junior High School Fowler
Good Salt, Bad Salt - Which Is Which?

Military

United States Air Force
Air Force ROTC Award
Graham Robinson 8th grade
Cortez Middle School Cortez
Keeping Planes from Crashing!

Dillon Rose 7th grade
Springfield Jr/Sr High School Springfield
Go Fly a Brick

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

Cole Bostrom 11th grade
Brush High School Brush
Design and Construction of a Micro Air Vehicle

United States Navy & United States Marine Corps
Office of Naval Research Award
Tim Schneider 11th grade
Durango High School Durango
Photronics

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

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Mandi Loucks 12th grade
Grand Junction High School Grand Junction
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Cole Bostrom 11th grade
Brush High School Brush
Design and Construction of a Micro Air Vehicle

United States Army

John Kwon 9th grade
Pine Creek High School Colorado Springs
Exploration through the "Monsters" of the Universe

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

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

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

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

United States Navy & United States Marine Corps
Office of Naval Research Award
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Lamar High School Lamar
Inside The Matrix: Solving Sudoku Puzzles Using Visual Basic
Organizational

Air & Waste Management Association
Rocky Mountain States Section
Hannah Carrese 8th grade North Middle School Colorado Springs Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant
Evan Duggan 12th grade Cherry Creek High School Greenwood Village Removal of Targeted Organic Compounds from Municipal Waste Water

American Association of University Women
Brooke Grissom 8th grade Fowler Junior High School Fowler Soil Erosion: A Growing Problem

American Chemical Society
Colorado Local Section
Austin Traphagan 8th grade Yuma Middle School Yuma Smile--It's About Time
Vicky Li 11th grade Fairview High School Boulder Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms

American Institute of Chemical Engineers
Rocky Mountain Section
Katelyn Yowell 8th grade Genoa-Hugo School Hugo Chlorophyll Chromatography
Nathan Weeks 7th grade The Classical Academy Colorado Springs Sound Barrier Designs
Bailey Leppek & Derek Kramer 11th grade Cherry Creek High School Greenwood Village Ethanol Synthesis from Different Biodegradable Household Waste Products
Eric Keeling 12th grade La Veta Jr/Sr High School La Veta A Study on Rhizofiltration with Helianthus annuus and Its Effect on Coal Bed Methane Produced Water

American Statistical Association
Colorado/Wyoming Chapter
Jack Donelson 8th grade Littleton Predicting Success in Basketball by Statistical Analysis
Soren Frykholm 8th grade Boulder The Nose Knows: A Better Way to Breathe?
Fletcher Gorman 11th grade Fleming High School Fleming Tunes: The New Brain Food
Kevin Howard 12th grade Boulder Chord Processing and the Critical Band

American Vacuum Society
Rocky Mountain Chapter
Kerry Betz 8th grade Boulder Mitigating Global Warming by Utilizing Albedo Geoengineering
Hannah Carrese 8th grade Colorado Springs Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant
Gwyneth Glissmann 10th grade Lafayette Grating-Stabilized Diode Lasers for Cooling Sr-87 Atoms

Armbruster Associates
Charles Armbruster Memorial Award
Elizabeth Napier 6th grade Durango Flying High
Ambrose Soehn 8th grade Boulder Natural vs. Synthetic: Polymers in Today's World
David Wu 10th grade
Cherry Creek High School Greenwood Village
Analyzing Hydrogen Storage in a Mg-Al-Zn Alloy

Association for Women Geoscientists Laramide Chapter
Samantha Ensz 8th grade
"Achievement Medal", $50, mineral specimen
Hi-Plains Jr/Sr High School Seibert
Successful Soil
Saraiya Ruano 11th grade
"Achievement Medal", $50, mineral specimen
Coronado High School Colorado Springs
The Road Less Traveled

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

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

Colorado Association of Science Teachers
Jeffrey Hibbert 8th grade
certificate, $50
Lone Star School Otis
Wastewater Watts: A Study of Microbial Fuel Cells
David Michel 7th grade
certificate, $50
Merino Jr/Sr High School Merino
Aloe Vera Myth or Medicine? The Effect of Aloe Vera on M. sexta and G. portentosa
Erin Neumann 12th grade
certificate, $50
Wray High School Wray
Water on Demand: The Effects of Soil Additives on Plant Growth and Germination
Rebecca Siegel & Zoe Dostal 10th grade
certificate, $50
Palmer High School Colorado Springs
Thinking without Thinking: A Study of Subconscious Biases Towards the Middle East

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

Colorado Biology Teacher's Association
Erik Schnaderbeck 8th grade
certificate, $75
Sargent Jr/Sr High School Monte Vista
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries
Ashley Pollock 12th grade
certificate, $75
Wiggins Jr/Sr High School Wiggins
Tissue Distribution and Mitochondrial Function of the Parkinson's Disease Related Protein DJ-1

Colorado Dental Association
Austin Traphagan 8th grade
plaque, $25, invitation to present projects at the Colorado Dental Association's Annual Meeting
Yuma Middle School Yuma
Smile--It's About Time
Leslie Hase 12th grade
plaque, $50, invitation to present projects at the Colorado Dental Association's Annual Meeting
Merino Jr/Sr High School Merino
A Combat Against Cavity Causing Bacteria: Raisins as a Functional Food for Oral Health

Colorado Division of Wildlife
Vincent Burkhardt 7th grade
certificate, DOW Book or video
Stanley British Primary School Denver
Do Car Associated Chemicals Affect Daphnia
Erik Schnaderbeck 8th grade
$50, packet of Colorado Division of Wildlife products
Sargent Jr/Sr High School Monte Vista
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries
Alex Schnaderbeck 11th grade
certificate, DOW Book or video
Coronado High School Colorado Springs
The Road Less Traveled

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

Rebecca Siegel & Zoe Dostal 11th grade
certificate, DOW Book or video
Coronado High School Colorado Springs
The Road Less Traveled

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David Michel 7th grade
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Merino Jr/Sr High School Merino
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Erin Neumann 12th grade
certificate, $50
Wray High School Wray
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Rebecca Siegel & Zoe Dostal 10th grade
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Erik Schnaderbeck 8th grade
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What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries
Alex Schnaderbeck 11th grade
certificate, DOW Book or video
Coronado High School Colorado Springs
The Road Less Traveled

Colorado Environmental Health Association
Hannah Carrese 8th grade
certificate, $50
North Middle School Colorado Springs
Hg - The Lethal Element: Emissions from a Coal-Fired Power Plant
Colorado Foundation for Agriculture
Agriculture in the Classroom Award

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

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

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

Colorado Geological Survey & Division of Reclamation Mining and Safety

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

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

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

Colorado Mineral Society

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

Colorado Mycological Society

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

Colorado Scientific Society

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

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

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

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

Katlin Hornig 10th grade
certificate & gold medallion from the Auxiliary to the AVMA, $50 from the CVMA, $30 from the CVMA Auxiliary
Sargent Jr/Sr High School Monte Vista
The Equine Emotional and Physical Behavior Connection

Colorado Medical Society

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

Nicholas Greos 12th grade
$100
Cherry Creek High School Greenwood Village
Evaluation of Concussions in Teen Sports
Colorado-Wyoming Society of American Foresters
Alexandra Proietti 8th grade
$100 savings bond
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk
Dylan Proietti 10th grade
$100 savings bond
Grand Junction High School Grand Junction
From Eradication to Utilization: Cooking Tastily with Tamarisk

Colorado State University
Dept. of Biochemistry & Molecular Biology
Ashley Pollock 12th grade
certificate, $100
Wiggins Jr/Sr High School Wiggins
Tissue Distribution And Mitochondrial Function Of The Parkinson's Disease Related Protein DJ-1

Colorado State University
Department of Chemistry
Tessa Kester 7th grade
certificate, $100
West Middle School Grand Junction
Why Did My Hair Turn Green?

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

Colorado State University
Dept. of Horticulture & Landscape Architecture
Anna Rooney 8th grade
$100
Sargent Jr/Sr High School Monte Vista
How Sweet Is Your Potato?

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

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

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

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

Charles Bergren 7th grade
microprocessor kit and digital multimeter (value $150)
Southern Hills Middle School Boulder
AM Loop Antenna Design

Fort Collins Conservation District
Alexandra Proietti 8th grade
$50, plaque
Holy Family Catholic School Grand Junction
Fuel of the Future, Toasty with Tamarisk
Dylan Proietti 10th grade
$50, plaque
Grand Junction High School Grand Junction
From Eradication to Utilization: Cooking Tastily with Tamarisk

Human Factors & Ergonomics Society
Rocky Mountain Chapter
Aiden Acquisto & Jaimie Smith 6th grade
$100
Stanley British Primary School Denver
Reaction with Distraction

Institute of Electrical and Electronics Engineers
Austin Cerny 8th grade
$100
Eagle County Charter Academy Edwards
Slow Computer Got You Down?

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

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

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

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

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

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

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

MAST Hotline

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

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

MWH Americas, Inc.

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

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

National Geophysical Data Center

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

National Renewable Energy Laboratory

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

Optical Society of America Rocky Mountain Section

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

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

Rio Tinto Minerals, Inc.

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

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

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

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

Rocky Mountain Association of Geologists

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

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

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

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

Rocky Mountain Goats Foundation

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

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

Rocky Mountain Water Environment Association

Taylor Fogg 7th grade
$50
The Classical Academy Colorado Springs
Poop, Etc.
Dana Louie 8th grade
North Middle School Colorado Springs
Understanding Eutrophication

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

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

Society for Advancement of Chicanos and Native Americans in Science
Reno Tsosie 8th grade
Cortez Middle School Cortez
Cultural Relevance in the Navajo Context

Dani Gonzales 11th grade
Grand Valley High School Parachute
The Effect an Organic Diet Has on Health Related Quality of Life

Society for Mining, Metallurgy and Exploration, Colorado Section
Kerry Betz 8th grade
Summit Middle School Boulder
Something's Decaying in My Basement

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

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

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

Society of Manufacturing Engineers, Northern Colorado, Chapter 354
Keith Vieweg 12th grade
Monte Vista On Line Academy Monte Vista
Cooling Results: The Effect of Temperature on the Warp of Plastic in Manufacturing

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

Society of Women Engineers Rocky Mountain Section
Emily Sandner 6th grade
St. Columba School Durango
Oil; Fact or Friction - Synthetic vs Petroleum

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

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

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

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

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

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

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

The International Society for Optical Engineering
Lauren Adlhoch 7th grade
St. John the Evangelist School Loveland
Can I Measure the Height of the Moon’s Mountains and the Depths of Its Craters?
Matt Wenger 12th grade
Doherty High School Colorado Springs
Brillouin Light Scattering

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

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

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

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

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

University of Colorado Health Sciences Center
Medical Scientist Training Program
Ashley Pollock 12th grade
$50
Wiggins Jr/Sr High School Wiggins
Tissue Distribution and Mitochondrial Function of the Parkinson's Disease Related Protein DJ-1

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

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

Zonta Club of Boulder County
Amelia Earhart Award
Elizabeth Napier 6th grade
$100
Escalante Middle School Durango
Flying High

Scholarships

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

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

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

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

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

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

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

Adam Goss 11th grade
scholarships valued as the equivalent to one-year resident tuition and fees
Brush High School Brush
Computer Simulation of Erosion Patterns
Jennifer Manfredo 9th grade
scholarships valued as the equivalent to one-year resident tuition and fees
Canon City High School  Canon City
*Auditory Processing: Can You Interpret It Now?*

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

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

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

**Colorado School of Mines**

*Colorado School of Mines Scholarships*

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

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

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

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

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

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

**Syracuse Pulp and Paper Foundation**

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

**Intel Foundation**

*Ryan Patterson Scholarship*

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

**Lockheed Martin**

*CSEF Teacher of the Year Award*

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

**University of Colorado - Boulder**

*College of Engineering and Applied Science Scholarships*

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

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

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

**American Meteorological Society**

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

Austin Nichols 11th grade
certificate
Brush High School  Brush
*The Controlled Growth of Penitente Structures*
Stephen Wilfong 12th grade
certificate
Moffat High School Moffat
Return of the Deadly Snow: A Study of Avalanche Risk Based on Layers and Types of Snow

American Psychological Association

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

Discovery Channel

Discovery Channel Young Scientist Challenge

Erik Schnaderbeck 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Sargent Jr/Sr High School Monte Vista
What Water Characteristics Affect Aquatic Invertebrates at Tailwater Fisheries

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

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

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

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

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

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

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

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

Nakayla Lestina 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
North Middle School Colorado Springs
Windy Gardens

Reno Tsosie 8th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Dove Creek Middle School Dove Creek
Biological Control of Canada Thistle - Analyzing Three Natural Insect Enemies

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

Lorne Muir II 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
Otis Jr/Sr High School Otis
S.O.S. Save Our Soil

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

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

Lorne Muir II 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition
competition
The Classical Academy Colorado Springs
Hydrophobic Soil Rehabilitation

Rahul Shankar 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition

Mountain Ridge Middle School Colorado Springs
A Software Tool to Calculate Alignment of Nucleotide Sequences to Classify the Cryptoprocta Ferox

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

Sara Volz 6th grade
certificate, lapel pin, nomination to enter the DCYSC national competition

North Middle School Colorado Springs
What Common Substances Best Kill Bacteria on the Skin?

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

Justin Lewton 7th grade
certificate, lapel pin, nomination to enter the DCYSC national competition

Weld Central Junior High Keenesburg
The Green Thumb Problem

Herbert Hoover Presidential Library Association
Herbert Hoover Young Engineer Award
Daniel Smith 11th grade
certificate, medallion
Herzl Rocky Mountain Hebrew Denver
Reading Fingers: A System for Automatic Guitar Composition

Intel Corporation
Intel Excellence in Computer Science Award
Tommaso Buvoli 12th grade
certificate, $200 (to be mailed in July)
Fairview High School Boulder
Machine Learning and Data Classification

National High School & Two-Year College
Mathematics Honor Society
Mu Alpha Theta Award
Chelsea Oden 11th grade
certificate
Monte Vista High School Monte Vista
A Wrinkle in Prime: An Investigation of Prime Properties in a Four-Dimensional Sieve of Eratosthenes

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

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

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

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

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

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

Society for In Vitro Biology
Outstanding Achievement for Ability and Creativity in In Vitro Biology Award
Young Kim 11th grade
certificate
Cherry Creek High School Greenwood Village
Chlorophyll as a Sunscreening Agent

United States Department of Commerce/NOAA
Taking the Pulse of the Planet Award
Gwyneth Glissmann 10th grade
certificate, medallion
Peak to Peak Charter School Lafayette
Mitigating Global Warming By Utilizing Albedo Geoengineering

United States Metric Association
Best Use of the International System of Units Award
David Wu 10th grade
certificate
Cherry Creek High School Greenwood Village
Analyzing Hydrogen Storage in A Mg-Al-Zn Alloy
Antonia Lira  
9th grade
Lamar High School  
Does Sun Guard Detergent Wash an Invisible Shield into Clothing to Reduce Ultraviolet Light?

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