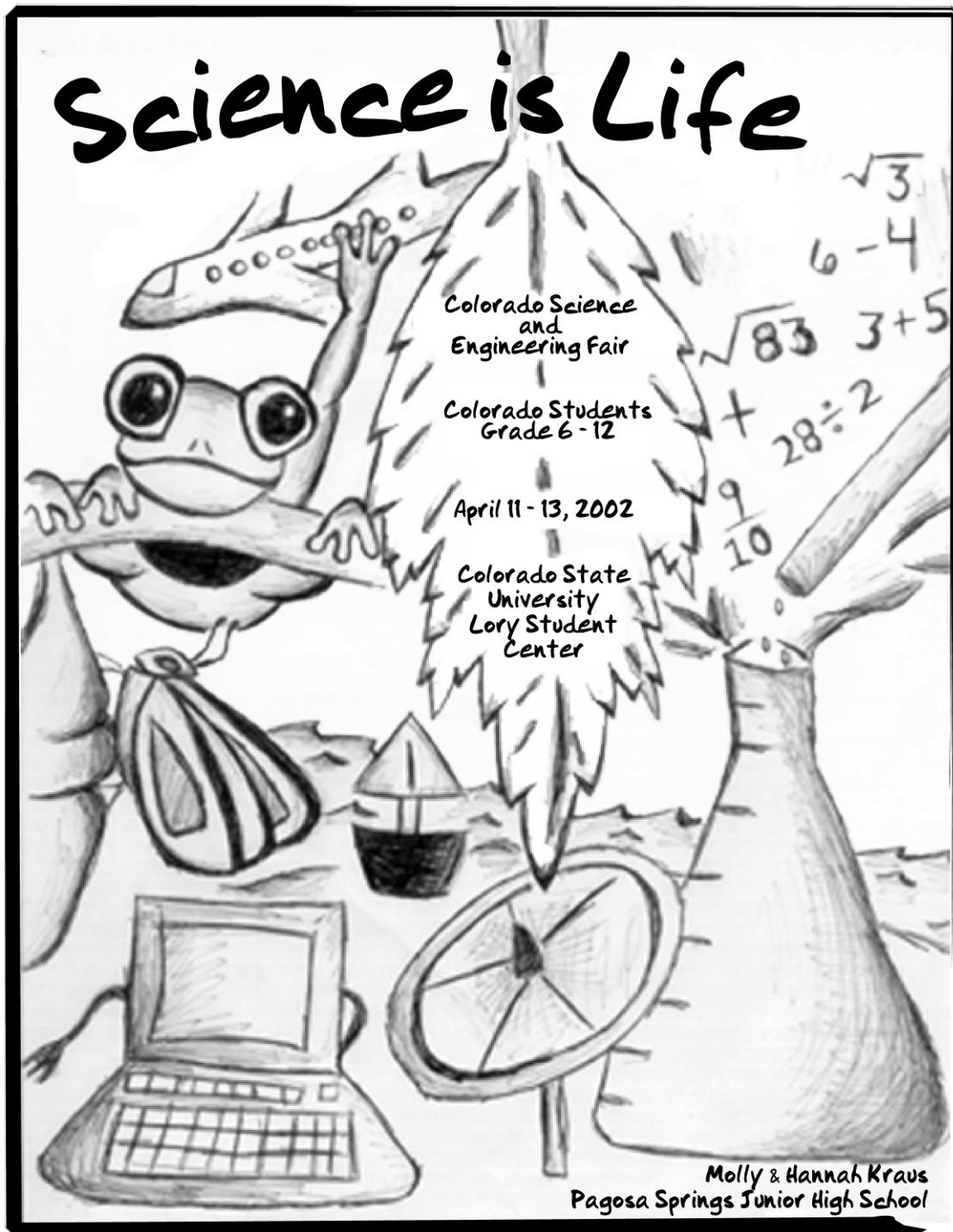


Press Release



2002 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division All Fair

1st Place

Meredith MacGregor 7th grade
Avalanche! A Search for Self-Organized Criticality
 Burbank Middle School Boulder

2nd Place

Adam Sidman 8th grade
Wind Turbine Design
 North Middle School Colorado Springs

3rd Place

Nathan McNew 8th grade
Investigation of Prime Numbers
 Jefferson Academy Junior High School Arvada

Senior Division All Fair

1st Place

Craig Wright 10th grade
Designing a Linear Peristaltic Pump Using Ferrofluids
 Woodlin High School Akron

2nd Place

Josh Haimes 12th grade
WGA Amplification and Thin Film Detection of Methicillin Resistant/Sensitive Staphylococcus aureus
 Boulder High School Boulder

3rd Place

Aaron Burgess & Kristen Rasmussen 11th grade
Aircraft Icing: Why Does It Happen?
 Fairview High School Boulder

Junior Division Botany

1st Place

Harold Klausner 8th grade
Available Nitrogen vs. Legume Nodulation
 Woodlin High School Woodrow

2nd Place

Mallory White 8th grade
The Effects of Agrobacterium tumefaciens on the Growth of Crown Galls on Different Dicotyledonous Plants
 North Middle School Colorado Springs

3rd Place

Ashley Button 6th grade
Don't Invade My Space
 Fort Lupton Middle School Fort Lupton

Honorable Mention

Chris Messick 7th grade
The Role of Preservatives in the Delay of Senescence of Cut Flowers
 Sargent Junior High School Monte Vista

Honorable Mention

Emily Woods 6th grade
Secret Weapons: Allelochemicals in Plants
 Summit Middle School Boulder

Honorable Mention

Mathew Brennan 7th grade
This Is My Space - The Impact of Allelopathy
 St. Columba School Durango

Honorable Mention

Kevin Hurd 7th grade
Jack, Check Your Soil's pH before You Plant Your Beans!
 Holy Family Catholic School Grand Junction

Honorable Mention

Jed Michal 8th grade
Depth vs. Development
 Arriba-Flagler Middle School Flagler

Honorable Mention

Bradley Hertneky 8th grade
The Role of Polymers in Crop Drought Tolerance
 Burlington Middle School Burlington

Senior Division Botany

1st Place

Nicole Thomas 10th grade
WNC 230-14RU Resistant or Immune to Potato Leaf Roll Virus
 Sierra Grande High School Blanca

2nd Place

Jacqueline Consaul 11th grade
A Study on the Interaction Between Blackleg and PVY on Potatoes
 Del Norte High School Center

3rd Place

Wumesh Khatri 12th grade
Glycolysis in Isoprene-Emitting Chloroplasts
 Boulder High School Boulder

Honorable Mention

Levi Klausner 11th grade
Selecting for Salt Tolerance in 5 Varieties of Wheat
 Woodlin Undivided High School Woodrow

Honorable Mention

Tyler Benton 9th grade
An Ecological Study of the Efficacy of the Conservation Reserve Program
 Stratton High School Vona

**Junior Division
Earth & Space Sciences**

1st Place

Annie Sandner 8th grade
Aerodynamics of Modern Rocketry
St. Columba School Durango

2nd Place

Jeffrey Hrcir 7th grade
Dinosaur Tracks
East Middle School Grand Junction

3rd Place

Lena Martin 7th grade
Time: Sun vs. Clock
Genoa-Hugo Middle School Genoa

Honorable Mention

Will Scripps 6th grade
Which Helicopter Floats Slowest?
Evergreen Mountain School Evergreen

**Senior Division
Earth & Space Sciences**

1st Place

Brandon Rosgen 11th grade
River Banks - Nature's Erodible Boundaries
Pagosa Springs High School Pagosa Springs

2nd Place

Adam Curry 12th grade
The Cosmic Early Warning
Palisade High School Palisade

3rd Place

Renee Musgrave 9th grade
Rainbow Lightning?
Liberty High School Yuma

**Junior Division
Engineering**

1st Place

Adam Sidman 8th grade
Wind Turbine Design
North Middle School Colorado Springs

2nd Place

Matthew Rotbart 8th grade
*Modeling the Collapse of the World Trade Center: The
Effect of Heat on the Tensile Strength of Steel*
Rocky Mountain Hebrew Academy Denver

3rd Place

Joseph Kelly 7th grade
*How Well Does a Directional Antenna Concentrate Radio
Energy?*
St. John the Evangelist School Loveland

Honorable Mention

Devin Adam 8th grade
A Hot Idea for a Cool Computer
Crawford Elementary School Crawford

Honorable Mention

Molly May 6th grade
A Comparison of Tensile Strength of Various Materials
St. Columba School Durango

Honorable Mention

Daniel Weidlein 6th grade
Into the Wind: Wind Powered Cars
Summit Middle School Boulder

Honorable Mention

Steven Mitton 7th grade
Holy Hovercraft
Mancos Middle School Mancos

**Senior Division
Engineering**

1st Place

Craig Wright 10th grade
Designing a Linear Peristaltic Pump Using Ferrofluids
Woodlin Undivided High School Akron

2nd Place

Robert Ussery 10th grade
Autonomous UAV Design
Ussery Home School Fort Collins

3rd Place

Justin Migacz 11th grade
Thermal Degradation of Josephon Junctions
Cherry Creek High School Englewood

Honorable Mention

Michael Yurkoski 11th grade
Rarr - An Alternative to Human Reconnaissance
Broomfield High School Broomfield

Honorable Mention

Craig Bryan 11th grade
Vulcan Block II
Sargent High School Monte Vista

Honorable Mention

Emma McArdle 11th grade
Is Your Roof Snow Proof?
Monte Vista High School Monte Vista

Honorable Mention

Dak Steiert 11th grade
Ramjet Propulsion for High Altitude Launch and Research
Battle Mountain High School Edwards

Honorable Mention

Leyton Laybourn 10th grade
The Best Superinsulator
Arickaree Undivided High School Cope

**Junior Division
Environmental Sciences**

1st Place

Meaghan Kormondy 8th grade
Paper or Plastic?
St. Mary's School of Littleton Highlands Ranch

2nd Place		
Maggie Reinsvold	8th grade	
<i>The Effect of Magnesium Chloride on Decomposition</i>		
Frontier Academy	Greeley	
3rd Place		
Jacque Beckvermit	8th grade	
<i>Do You Drink Undrinkable Water?</i>		
Turner Middle School	Berthoud	
Honorable Mention		
Laura Biggins	8th grade	
<i>The Effect of Wood Extracts on the Germination of Seeds</i>		
Boltz Junior High School	LaPorte	
Honorable Mention		
Anna Hermann	6th grade	
<i>Under the Stream: Using Aquatic Insects to Determine Water Quality</i>		
Summit Middle School	Louisville	
Honorable Mention		
Lyle Hoffschneider	7th grade	
<i>"Black Gold" Particles: Comparing Particles of Fuel Sources</i>		
Pagosa Springs Junior High School	Pagosa Springs	
Honorable Mention		
Melissa Kanack	7th grade	
<i>Snow 'n' Ice 'n' Everything Not So Nice</i>		
St. John the Evangelist School	Loveland	
Honorable Mention		
Cacia Steensen	7th grade	
<i>Does Pollution Affect Oxygen Production in Aquatic Plants?</i>		
West Jefferson Middle School	Pine	

**Senior Division
Environmental Sciences**

1st Place		
Jessica Caver	11th grade	
<i>Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams</i>		
Woodlin High School	Deer Trail	
2nd Place		
Benjamin Howard	12th grade	
<i>An Evaluation of the Effectiveness of Reformulated Gasoline in Reducing Urban Benzene Concentrations</i>		
Fairview High School	Boulder	
3rd Place		
Katherine Hermann	9th grade	
<i>Predicting Water Quality with Landscape Metrics</i>		
Boulder High School	Louisville	
Honorable Mention		
Stephen Canham	12th grade	
<i>Prevention of Soil Salinization from a Rising Water Table</i>		
Cherry Creek High School	Greenwood Village	
Honorable Mention		
Christine Knoblauch	12th grade	
<i>Where's It Coming From?</i>		
Monte Vista High School	Del Norte	

**Junior Division
Health & Behavioral Sciences**

1st Place		
Jeff Loewe	8th grade	
<i>Pick Up the Beat</i>		
Evangelical Christian Academy	Colorado Springs	
2nd Place		
Kelly Cook	8th grade	
<i>Is What You See What You Get?</i>		
Boltz Junior High School	Fort Collins	
3rd Place		
Allison Qubain	8th grade	
<i>Into Thin Air</i>		
Gardner Elementary School	Gardner	
Honorable Mention		
Andrea Buxton	8th grade	
<i>Fluoride: When Is Enough</i>		
Eads Junior High School	Lamar	
Honorable Mention		
Hannah Lowinger	8th grade	
<i>Type A GPA - Are They Synonymous?</i>		
Rocky Mountain Hebrew Academy	Englewood	
Honorable Mention		
Ian Springer	7th grade	
<i>Lunar Changes and Their Effect on Human Behavior</i>		
Lamar Middle School	Lamar	
Honorable Mention		
T. J. Van Bibber	7th grade	
<i>You Are What You Eat</i>		
Sargent Junior High School	Monte Vista	
Honorable Mention		
Kelly Dimmen	6th grade	
<i>Stop in the Name of the Law</i>		
Sabin Middle School	Colorado Springs	

**Senior Division
Health & Behavioral Sciences**

1st Place		
April Mertens	12th grade	
<i>A Promising Cancer Treatment: Tumor Suppression Using the Synergism of NSAID and Aloe</i>		
Merino Jr/Sr High School	Merino	
2nd Place		
Jaymee Jungie	11th grade	
<i>Manipulation of the Krebs Cycle</i>		
Cherry Creek High School	Englewood	
3rd Place		
Brian Camley	11th grade	
<i>Every Breath You Take: The Effects of Radon on Biological Tissue - Damage and Immune Response</i>		
Palmer High School	Colorado Springs	

Honorable Mention

Michelle Keck 12th grade
Remembered and Forgotten: An Examination of Autobiographical Memory, Reminiscence and Cultural Influences on Memory
 Monte Vista High School Monte Vista

Honorable Mention

Jeff Marlow 11th grade
Hydroxyl Radical Neutralization by Non-Steroid Anti-Inflammatory Drugs Related to Alzheimer's Prevention
 Cherry Creek High School Englewood

Honorable Mention

Krista Schroeder 9th grade
Feeling Smart
 Palmer High School Colorado Springs

**Junior Division
 Mathematics & Computer Sciences**

1st Place

Nathan McNew 8th grade
Investigation of Prime Numbers
 Jefferson Academy Junior High School Arvada

2nd Place

Robert Glissmann 8th grade
Never Blinking, Never Sleeping: Image Preparation Improves Machine Vision
 Summit Middle School Boulder

3rd Place

Timothy Schneider 6th grade
Programmable Vacuum Cleaner
 Miller Middle School Durango

Honorable Mention

Max Krakauer 6th grade
Good to the Last Drop: The World Oil Shortage Simulator
 North Middle School Colorado Springs

**Senior Division
 Mathematics & Computer Sciences**

1st Place

Colin Oldberg 9th grade
Light-Operated Logic
 Coronado High School Colorado Springs

2nd Place

Amanda Parker 9th grade
Not So Perfect Sine Waves: A Fourier Analysis of an Audio Oscillator
 Cherry Creek High School Centennial

3rd Place

Eric Solanyk 9th grade
The Strategy to Monopoly: A Computer Simulation of the Probabilities of Movement and the Economics
 Loveland PR Christian School Loveland

Honorable Mention

Lila Hickey 12th grade
Ups & Downs: Simulated Elevator Control
 Brush High School Hillrose

Honorable Mention

Paul Scott 10th grade
Knotty Knumbers: Calculating Alexander's Polynomial
 Woodlin High School Akron

**Junior Division
 Microbiology**

1st Place

Kelly Valdes 8th grade
Thieves Steal Bacteria
 St. Mary's School of Littleton Littleton

2nd Place

Michael Dango 7th grade
The Effect of Salinity on the Effectiveness of Bioremediation on Oil Spills Utilizing Pseudomonas and Penicillin
 Challenger Middle School Colorado Springs

3rd Place

Jesse Sindler 7th grade
Somewhere Over the Rainbow, Fungi Fly
 Canon City Middle School Canon City

Honorable Mention

Ashley Maddux 7th grade
Glow in the Dark - Will Bacteria Accept a Gene from a Jellyfish?
 Pagosa Springs Junior High School Pagosa Springs

Honorable Mention

Alex Schnaderbeck 6th grade
Density of Bacteria on Public Surfaces
 Sargent Elementary School Monte Vista

**Senior Division
 Microbiology**

1st Place

Josh Haimes 12th grade
WGA Amplification and Thin Film Detection of Methicillin Resistant/Sensitive Staphylococcus aureus
 Boulder High School Boulder

2nd Place

Sara McFarland 11th grade
The Effect of Triclosan on Antibiotic
 Hoehne High School Trinidad

3rd Place

Lauren Goulding 9th grade
Chemical Memory: Can Physarum Polycephalum Reproduce a Pattern?
 Palmer High School Colorado Springs

Honorable Mention

Lauryn Etl 10th grade
Antioxidants: Youth at Your Fingertips
 Fleming High School Fleming

**Junior Division
Physical Sciences**

1st Place

Meredith MacGregor 7th grade
Avalanche! A Search for Self-Organized Criticality
Burbank Middle School Boulder

2nd Place

Megan Emmons 7th grade
Friction Over Tribology
Del Norte Middle School Alamosa

3rd Place

John Wilkinson Jr. 8th grade
Sailing with Wind Power!
Mountain Ridge Middle School Colorado Springs

Honorable Mention

Adreanne Brungardt 7th grade
Shake It Up: A Study on Size Separation
Brush Middle School Brush

Honorable Mention

Tyler Hutchinson 6th grade
Catalysts: The Chemical Matchmakers
Holy Family Catholic School Grand Junction

Honorable Mention

Matt Zubiel 6th grade
Predicting UHF Radio Range from Antenna Height
Creskide Middle School Monument

Honorable Mention

Rebecca Richardson 7th grade
Sodium Bicarbonate and pH: What Can It Lead To?
Berry Creek Middle School Avon

**Senior Division
Physical Sciences**

1st Place

Amber Henry 10th grade
An Algorithm Demonstrating Impact Splatter Pattern Due to Angle of Incidence Using a Dichotomous Key
Hi-Plains High School Joes

2nd Place

Adam Brungardt 11th grade
Spinning Samaras: A Study into Seed Distribution
Brush High School Brush

3rd Place

Leota McDaniel 11th grade
An Investigation into the Weissenberg Phenomenon
Brush High School Brush

Honorable Mention

Kyle Atwater 10th grade
Trebuchet Ballistics
Woodlin Undivided High School Genoa

Honorable Mention

William Eucker 10th grade
Metallurgical Characteristics of the Sacagawea Dollar
George Washington High School Denver

**Junior Division
Zoology**

1st Place

Marty Sandberg 8th grade
Rat Race
St. Mary's School of Littleton Littleton

2nd Place

Lisa Harms 7th grade
Got Silk?
Haxtun Middle School Haxtun

3rd Place

Timothy Sauer 8th grade
Oh, Rats!
St. Mary's School of Littleton Littleton

Honorable Mention

Travis Justin Garoutte 6th grade
Pupation Creation
Centauri Middle School Antonito

**Senior Division
Zoology**

1st Place

Holly McGuire 11th grade
Comparing Extracted and Amplified Mitochondrial DNA
Woodlin Undivided High School Lindon

2nd Place

Robert Bernton 9th grade
In Vivo PLA2 Inhibition
Rocky Mountain Hebrew Academy Littleton

3rd Place

Kori Tagtmeyer 9th grade
Determining Failure of Passive Transfer in Neonatal Bovine Based on Immunoglobulin G Levels
Hi-Plains High School Stratton

Honorable Mention

Trixie Lee 12th grade
The Squeeze Is On: Overcoming Overpopulation
Fleming High School Crook

Honorable Mention

Matthew Simes 12th grade
Relative Abundance of Ponderosa Pine Bird Species Along an Elevational Gradient
Centaurus High School Lafayette

**Junior Division
Team Projects**

1st Place

Alex West 8th grade
Andrew West 6th grade
I'm Exhausted
West Jefferson Middle School Conifer

2nd Place

Jessica Nygren & Caresse Wagner 8th grade
Spaced Out
St. Mary's School of Littleton Littleton

3rd Place

Danika Friedley & Whitney Howard
Erosion and the Formation of Alluvial Fans
 Bayfield Middle School

7th grade

Bayfield

Honorable Mention

Noah Husek & Jonathan Wolfe
Kids Don't Bounce
 Burbank Middle School

8th grade

Boulder

Honorable Mention

Hannah Schumacher & Erin Luck
Burning Up
 Burbank Middle School

7th grade

Boulder

**Senior Division
 Team Projects**

1st Place

Aaron Burgess & Kristen Rasmussen
Aircraft Icing: Why Does It Happen?
 Fairview High School

11th grade

Boulder

2nd Place

Eric King & David Van Wagener
Significant Factors That Affect Perception of Location
 Cherry Creek High School

12th grade

Englewood

3rd Place

David Sanford & Adam Ginsburg
Computer Simulation of Stability of the Orbits in a Multi-Planet System
 Cherry Creek High School

11th grade

Englewood

Honorable Mention

Brittani Cliff & Breanna Anderson
Stress and Immunity: Qualification of Immunoglobulin G and Leukocytes
 Akron High School

10th grade

Akron

Honorable Mention

David Wacker & Curtis Larimer
The Collatz Code
 Palmer High School

10th grade

Colorado Springs

2002 Colorado Science and Engineering Fair Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

Adam Curry	12th grade
\$100, certificate	
Palisade High School	Palisade
<i>The Cosmic Early Warning</i>	

Student Choice Award

Meredith MacGregor	7th grade
\$25, trophy	
Burbank Middle School	Boulder
<i>Avalanche! A Search for Self-Organized Criticality</i>	

Brandon Rosgen	11th grade
\$25, trophy	
Pagosa Springs High School	Pagosa Springs
<i>River Banks - Nature's Erodible Boundaries</i>	

Military

United States Army

Jaymee Jungie	11th grade
certificate, \$50 savings bond	
Cherry Creek High School	Englewood
<i>Manipulation of the Krebs's Cycle</i>	

Amber Henry	10th grade
certificate, \$50 savings bond	
Hi-Plains High School	Joes
<i>An Algorithm Demonstrating Impact Splatter Pattern Due to Angle of Incidence Using a Dichotomous Key</i>	

Michael Yurkoski	11th grade
certificate, \$50 savings bond	
Broomfield High School	Broomfield
<i>Rarr - An Alternative to Human Reconnaissance</i>	

Katherine Hermann	9th grade
certificate, \$50 savings bond	
Boulder High School	Louisville
<i>Predicting Water Quality with Landscape Metrics</i>	

Amanda Parker	9th grade
certificate, silver medallion, \$100 savings bond	
Cherry Creek High School	Centennial
<i>Not So Perfect Sine Waves: A Fourier Analysis of an Audio Oscillator</i>	

United States Navy and United States Marine Corps

Kinsey Freeman	9th grade
certificate, graphing calculator, invitation to the Junior Science and Humanities Symposium	
Palmer High School	Colorado Springs
<i>Factors Affecting Life Span</i>	

Jaymee Jungie	11th grade
certificate, graphing calculator, invitation to the Junior Science and Humanities Symposium	
Cherry Creek High School	Englewood
<i>Manipulation of the Krebs's Cycle</i>	

Craig Wright	10th grade
certificate, graphing calculator, invitation to the Junior Science and Humanities Symposium	
Woodlin Undivided High School	Akron
<i>Designing a Linear Peristaltic Pump Using Ferrofluids</i>	

Adam Curry	12th grade
certificate, graphing calculator, invitation to the Junior Science and Humanities Symposium	
Palisade High School	Palisade
<i>The Cosmic Early Warning</i>	

Organizational

Air and Waste Management Association Rocky Mountain States Section

Lyle Hoffschneider	7th grade
certificate, \$50	
Pagosa Springs Junior High School	Pagosa Springs
<i>"Black Gold" Particles: Comparing Particles of Fuel Sources</i>	

Michael Dango	7th grade
certificate, \$100	
Challenger Middle School	Colorado Springs
<i>The Effect of Salinity on the Effectiveness of Bioremediation on Oil Spills Utilizing Pseudomonas and Penicillin</i>	

Benjamin Howard	12th grade
certificate, \$50	
Fairview High School	Boulder
<i>An Evaluation of the Effectiveness of Reformulated Gasoline in Reducing Urban Benzene Concentrations</i>	

Jessica Caver	11th grade
certificate, \$100	
Woodlin Undivided High School	Deer Trail
<i>Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams</i>	

American Association of University Women

Meredith MacGregor	7th grade
\$100	
Burbank Middle School	Boulder
<i>Avalanche! A Search for Self-Organized Criticality</i>	

American Institute of Chemical Engineers Rocky Mountain Section

Michael Dango	7th grade
\$75	
Challenger Middle School	Colorado Springs
<i>The Effect of Salinity on the Effectiveness of Bioremediation on Oil Spills Utilizing Pseudomonas and Penicillin</i>	

Jessica Caver 11th grade
 \$100
 Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

**American Meteorological Society
 Denver/Boulder Chapter**

Melissa Kanack 7th grade
 certificate, \$50 gift certificate to Barnes and Nobel
 St. John the Evangelist School Loveland
Snow 'n' Ice 'n' Everything Not So Nice

Benjamin Howard 12th grade
 certificate, \$50 gift certificate to Barnes and Nobel
 Fairview High School Boulder
An Evaluation of the Effectiveness of Reformulated Gasoline in Reducing Urban Benzene Concentrations

**American Vacuum Society
 Rocky Mountain Chapter**

Adam Sidman 8th grade
 \$50, \$50 for winner's school
 North Middle School Colorado Springs
Wind Turbine Design

Daniel Weidlein 6th grade
 \$100, \$100 for winner's school
 Summit Middle School Boulder
Into the Wind: Wind Powered Cars

Craig Wright 10th grade
 \$100, \$100 for winner's school
 Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Jessica Caver 11th grade
 \$100, \$100 for winner's school
 Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

**American Welding Society
 Colorado Section**

Matthew Rotbart 8th grade
 \$25, trophy
 Rocky Mountain Hebrew Academy Denver
Modeling the Collapse of the World Trade Center: The Effect of Heat on the Tensile Strength of Steel

Dak Steiert 11th grade
 \$25, trophy
 Battle Mountain High School Edwards
Ramjet Propulsion for High Altitude Launch and Research

Analex Corporation

Lila Hickey 12th grade
 certificate, \$100
 Brush High School Hillrose
Ups & Downs: Simulated Elevator Control

**ASM International
 Rocky Mountain Chapter**

Matthew Rotbart 8th grade
 \$50
 Rocky Mountain Hebrew Academy Denver
Modeling the Collapse of the World Trade Center: The Effect of Heat on the Tensile Strength of Steel

William Eucker 10th grade
 \$75
 George Washington High School Denver
Metallurgical Characteristics of the Sacagawea Dollar

**Association for Women Geoscientists
 Denver Chapter**

Audrey Keenan 6th grade
 \$50, rock sample
 Holy Family Catholic School Grand Junction
Go with the Flow - A Study of Water Quality in the Upper Colorado River Basin

Jessica Caver 11th grade
 \$50, rock sample
 Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

Colorado Association of Science Teachers

Maxwell Van Pelt 7th grade
 \$50, certificate
 Rocky Mountain School Boulder
An Investigation of Automated Highways

Devin Adam 8th grade
 \$50, certificate
 Crawford Elementary School Crawford
A Hot Idea for a Cool Computer

Julie Ann Chelewski 9th grade
 \$50, certificate
 Rifle High School Silt
Turning the Red Planet Green

Robert Ussery 10th grade
 \$50, certificate
 Ussery Home School Fort Collins
Autonomous UAV Design

**Colorado Dental Association &
 Arkansas Valley Dental Society**

Kayla Kinch & Britney Bunker 6th grade
 watch, Wal-Mart gift card
 Ellicott Middle School Calhan
Smile

Brittani Cliff & Breanna Anderson 10th grade
 watch, Wal-Mart gift card
 Akron High School Akron
Stress and Immunity: Qualification of Immunoglobulin G and Leukocytes

Andrea Buxton 8th grade
 \$25, plaque, Wal-Mart gift card
 Eads Junior High School Lamar
Fluoride: When Is Enough

Sara McFarland 11th grade
\$50 plaque, Wal-Mart gift card
Hoehne High School Trinidad
The Effect of Triclosan on Antibiotic Resistance

Colorado Division of Wildlife

Trixie Lee 12th grade
packet of Colorado Wildlife products, free admission to a Wildlife Watch Workshop
Fleming High School Crook
The Squeeze Is On: Overcoming Overpopulation

Colorado Foundation for Agriculture *Agriculture in the Classroom Award*

Kelly Valdes 8th grade
certificate, \$50
St. Mary's School of Littleton Littleton
Thieves Steal Bacteria

Travis Justin Garoutte 6th grade
certificate, \$50
Centauri Middle School Antonito
Pupation Creation

Jacqueline Consaul 11th grade
certificate, \$50
Del Norte High School Center
A Study on the Interaction Between Blackleg and PVY on Potatoes

Stephen Canham 12th grade
certificate, \$50
Cherry Creek High School Greenwood Village
Prevention of Soil Salinization from a Rising Water Table

Colorado Geological Survey

Lena Martin 7th grade
\$75
Genoa-Hugo Middle School Genoa
Time: Sun vs. Clock

Adam Curry 12th grade
\$75
Palisade High School Palisade
The Cosmic Early Warning

Colorado Medical Society Education Foundation

Kelly Dimmen 6th grade
\$100, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
Sabin Middle School Colorado Springs
Stop in the Name of the Law

Krista Schroeder 9th grade
\$100, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
Palmer High School Colorado Springs
Feeling Smart

Colorado Mineral Society

Audrey Keenan 6th grade
\$25, 2 mineral specimens, certificate, book
Holy Family Catholic School Grand Junction
Go with the Flow - A Study of Water Quality in the Upper Colorado River Basin

Jeffrey Hrncir 7th grade
\$25, 2 mineral specimens, certificate, book
East Middle School Grand Junction
Dinosaur Tracks

Brandon Rosgen 11th grade
\$25, 2 mineral specimens, certificate, book
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Adam Curry 12th grade
\$25, 2 mineral specimens, certificate, book
Palisade High School Palisade
The Cosmic Early Warning

Colorado Mycological Society

Lauryn Etl 10th grade
\$25, book on fungi, certificate
Fleming High School Fleming
Antioxidants: Youth at Your Fingertips

Colorado Scientific Society

Adreanne Brungardt 7th grade
\$50
Brush Middle School Brush
Shake It Up: A Study on Size Separation

Meredith MacGregor 7th grade
\$75
Burbank Middle School Boulder
Avalanche! A Search for Self-Organized Criticality

Christine Knoblauch 12th grade
\$75
Monte Vista High School Del Norte
Where's It Coming From?

Brandon Rosgen 11th grade
\$100
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Colorado Section of the American Chemical Society

Rosie Li 7th grade
certificate, cash award
North Middle School Colorado Springs
Salt Water Conductivity

certificate, cash award
William Eucker 10th grade
George Washington High School Denver
Metallurgical Characteristics of the Sacagawea Dollar

Colorado Sustainability Project

Melissa Kanack 7th grade
\$50, certificate, information on sustainability
St. John the Evangelist School Loveland
Snow 'n' Ice 'n' Everything Not So Nice

Adam Sidman 8th grade
\$100, certificate, information on sustainability
North Middle School Colorado Springs
Wind Turbine Design

Craig Bryan 11th grade
\$50, certificate, information on sustainability
Sargent High School Monte Vista
Vulcan Block II

Brandon Rosgen 11th grade
\$100, certificate, information on sustainability
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Colorado Veterinary Medical Association

Nicholas Edwards 7th grade
certificate, gold medallion, \$50
Juniper Drive Middle School Colorado Springs
The Five Senses of Training a Dog

certificate, gold medallion, \$50
Kori Tagtmeyer 9th grade
Hi-Plains High School Seibert
Determining Failure of Passive Transfer in Neonatal Bovine Based on Immunoglobulin G Levels

Colorado State University

Dept. of Biochemistry & Molecular Biology

Jeff Marlow 11th grade
certificate, \$100
Cherry Creek High School Englewood
Hydroxyl Radical Neutralization by Non-Steroid Anti-Inflammatory Drugs Related to Alzheimer's Prevention

Tyler Hutchinson 6th grade
certificate, cash award
Holy Family Catholic School Grand Junction
Catalysts: The Chemical Matchmakers

Benjamin Howard 12th grade
certificate, cash award
Fairview High School Boulder
An Evaluation of the Effectiveness of Reformulated Gasoline in Reducing Urban Benzene Concentrations

Colorado State University

Dept. of Horticulture & Landscape Architecture

Emily Woods 6th grade
\$100
Summit Middle School Boulder
Secret Weapons: Allelochemicals in Plants

Tyler Benton 9th grade
\$100
Stratton High School Vona
An Ecological Study of the Efficacy of the Conservation Reserve Program

Fort Collins Soil Conservation District

Jeffrey West 7th grade
\$50, plaque
Lamar Middle School Lamar
Will Size Affect the Amount of Soil Blown Away?

Tyler Stuart 9th grade
\$50, plaque
Palmer High School Manitou Springs
H2uh-O

Intel Corporation

Meredith MacGregor 7th grade
laptop computer
Burbank Middle School Boulder
Avalanche! A Search for Self-Organized Criticality

Craig Wright 10th grade
laptop computer
Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Kodak Colorado Division

Tyler Keck 8th grade
APS camera
Monte Vista Middle School Monte Vista
To Corrode or Not to Corrode: Preventing Microbiologically Influenced Corrosion (MIC) on Steel Using a Polyurethane Coating

Brandon Rosgen 11th grade
APS camera
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Lockheed Martin Astronautics

Dak Steiert 11th grade
Atlas II AS Rocket model
Battle Mountain High School Edwards
Ramjet Propulsion for High Altitude Launch and Research

National Geophysical Data Center

Lyle Hoffschneider 7th grade
certificate, plaque, \$100 savings bond
Pagosa Springs Junior High School Pagosa Springs
"Black Gold" Particles: Comparing Particles of Fuel Sources

National Renewable Energy Laboratory

Adam Sidman 8th grade
\$100
North Middle School Colorado Springs
Wind Turbine Design

Rocky Mountain Association of Geologists

Danika Friedley & Whitney Howard 7th grade
certificate, cash award (to be mailed to the winners)
Bayfield Middle School Bayfield
Erosion and the Formation of Alluvial Fans

Katherine Hermann 9th grade
certificate, cash award (to be mailed to the winners)
Boulder High School Louisville
Predicting Water Quality with Landscape Metrics

Stephen Canham 12th grade
certificate, cash award (to be mailed to the winners)
Cherry Creek High School Greenwood Village
Prevention of Soil Salinization from a Rising Water Table

Rocky Mountain Goats Foundation

Stacy Dominguez 6th grade
\$100
Pagosa Springs Intermediate School Pagosa Springs
Local Lake Quality = Happy pHish

Brandon Rosgen 11th grade
\$100
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Rocky Mountain Inventors & Entrepreneurs Congress

Best Junior Exhibit Award

Ross Brunkhardt 7th grade
\$50
Merino Jr/Sr High School Sterling
Take on a Shake - The Use of Base Isolators to Prevent Earthquake Damage

Best Classroom Presentation Potential

Meredith MacGregor 7th grade
\$50
Burbank Middle School Boulder
Avalanche! A Search for Self-Organized Criticality

Excellent Senior Exhibit Award

Adam Curry 12th grade
\$50
Palisade High School Palisade
The Cosmic Early Warning

Excellent Senior Exhibit Award

April Mertens 12th grade
\$50
Merino Jr/Sr High School Merino
A Promising Cancer Treatment: Tumor Suppression Using the Synergism of NSAID and Aloe

Outstanding Exhibit: Near-term Potential for Implementation

Robert Glissmann 8th grade
\$50
Summit Middle School Boulder,
Never Blinking, Never Sleeping: Image Preparation Improves Machine Vision

Rocky Mountain Section of the American Water Works Association

Christine Knoblauch 12th grade
plaque, \$50
Monte Vista High School Del Norte
Where's It Coming From?

Jessica Caver 11th grade
plaque, \$75
Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

Chris Anderson 12th grade
plaque, \$100
Merino Jr/Sr High School Merino
Renewable Protection: The Solar and Hydrogen Approach to Pipeline Cathodics

Rocky Mountain Section of the Optical Society of America

Kelly Cook 8th grade
subscription to Discover magazine, certificate
Boltz Junior High School Fort Collins
Is What You See What You Get?

Robert Glissmann 8th grade
subscription to Discover magazine, certificate
Summit Middle School Boulder
Never Blinking, Never Sleeping: Image Preparation Improves Machine Vision

Rocky Mountain Water Environment Association

Anna Hermann 6th grade
savings bond (to be mailed to the winners)
Summit Middle School Louisville
Under the Stream: Using Aquatic Insects to Determine Water Quality

Jacque Beckvermit 8th grade
savings bond (to be mailed to the winners)
Turner Middle School Berthoud
Do You Drink Undrinkable Water?

Katherine Hermann 9th grade
savings bond (to be mailed to the winners)
Boulder High School Louisville
Predicting Water Quality with Landscape Metrics

Christine Knoblauch 12th grade
savings bond (to be mailed to the winners)
Monte Vista High School Del Norte
Where's It Coming From?

Society of Manufacturing Engineers Chapter 354, Electro-Mechanical

Eddie Kreimier 9th grade
certificate, \$200 savings bond
Rifle High School Rifle
If I Only Had a Heart (Valve)

Society of Women Engineers Rocky Mountain Section

April Brooks 8th grade
certificate, \$50
O'Connell Middle School Lakewood
The Fastest Power

Molly May 6th grade
certificate, \$75
St. Columba School Durango
A Comparison of Tensile Strength of Various Materials

Amanda Parker 9th grade
certificate, \$50
Cherry Creek High School Centennial
Not So Perfect Sine Waves: A Fourier Analysis of an Audio Oscillator

Lindy Doddridge 12th grade
certificate, \$75
Liberty High School Kirk
From Prickly to Paper Part II

Soil and Water Conservation Society Colorado Chapter

Caitlin Hladky 6th grade
\$25, certificate, ribbon
Fort Lupton Middle School Fort Lupton
Does pH Affect Seed Germination and Growth Rate?

Anna Hermann 6th grade
 \$50, certificate, ribbon
 Summit Middle School Louisville
Under The Stream: Using Aquatic Insects to Determine Water Quality

Katherine Hermann 9th grade
 \$25, certificate, ribbon
 Boulder High School Louisville
Predicting Water Quality with Landscape Metrics

Brandon Rosgen 11th grade
 \$50, certificate, ribbon
 Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

**Tracy Teyler Memorial
 Poster Art Contest**

Lauren Goulding 9th grade
 \$100, certificate
 Palmer High School Colorado Springs

**University of Colorado Denver
 Health Sciences Center Medical Scientist Training
 Program**

Jaymee Jungie 11th grade
 \$100
 Cherry Creek High School Englewood
Manipulation of the Krebs' Cycle

United States Department of Commerce

Chris Anderson 12th grade
 alternate
 Merino Jr/Sr High School Merino
Renewable Protection: The Solar and Hydrogen Approach to Pipeline Cathodics

Eric Doner 12th grade
 opportunity for summer employment
 Walsh High School Walsh
Operation: Voice Control

United States Geological Survey

Jeffrey Hrnacir 7th grade
 East Middle School Grand Junction
Dinosaur Tracks

Brandon Rosgen 11th grade
 Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Yale University Science & Engineering Association

Leota McDaniel 11th grade
 certificate, pewter medallion (mailed to the winner)
 Brush High School Brush
An Investigation into the Weissenberg Phenomenon

**Zonta Club of Boulder County
 Amelia Earhart Award**

Annie Sandner 8th grade
 \$100
 St. Columba School Durango
Aerodynamics of Modern Rocketry

Scholarships

**Adams State College Foundation
 Adams State College Scholarship**

Jacqueline Consaul 11th grade
 one year full resident tuition & fees scholarship
 Del Norte High School Center
A Study on the Interaction Between Blackleg and PVY on Potatoes

Brandon Rosgen 11th grade
 one year full resident tuition & fees scholarship
 Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Leyton Laybourn 10th grade
 one year full resident tuition & fees scholarship
 Arickaree Undivided High School Cope
The Best Superinsulator

Christine Knoblauch 12th grade
 one year full resident tuition & fees scholarship
 Monte Vista High School Del Norte
Where's It Coming From?

April Mertens 12th grade
 one year full resident tuition & fees scholarship
 Merino Jr/Sr High School Merino
A Promising Cancer Treatment: Tumor Suppression Using the Synergism of NSAID and Aloe

Colin Oldberg 9th grade
 one year full resident tuition & fees scholarship
 Coronado High School Colorado Springs
Light-Operated Logic

Sara McFarland 11th grade
 one year full resident tuition & fees scholarship
 Hoehne High School Trinidad
The Effect of Triclosan on Antibiotic Resistance

Megan Quick 12th grade
 one year full resident tuition & fees scholarship
 Palmer High School Colorado Springs
A Comparison of the Efficiencies of Tracking Photovoltaic Cells vs. Mounted Photovoltaic Cells

Matthew Simes 12th grade
 one year full resident tuition & fees scholarship
 Centaurus High School Lafayette
Relative Abundance of Ponderosa Pine Bird Species Along an Elevational Gradient

Colorado School of Mines

Colorado School of Mines Scholarship

Adam Curry 12th grade
 four-year full resident tuition
 Palisade High School Palisade
The Cosmic Early Warning

Chris Anderson 12th grade
 four-year full resident tuition
 Merino Jr/Sr High School Merino
Renewable Protection: The Solar and Hydrogen Approach to Pipeline Cathodics

Lila Hickey 12th grade
four-year full resident tuition
Brush High School Hillrose
Ups & Downs: Simulated Elevator Control

Benjamin Howard 12th grade
four-year full resident tuition
Fairview High School Boulder
An Evaluation of the Effectiveness of Reformulated Gasoline in Reducing Urban Benzene Concentrations

Colorado State University
Colorado State University Scholarship

Nicole Thomas 10th grade
non-renewable \$1,000 scholarship
Sierra Grande High School Blanca
WNC 230-14RU Resistant or Immune to Potato Leaf Roll Virus

Brandon Rosgen 11th grade
non-renewable \$1,000 scholarship
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Craig Wright 10th grade
non-renewable \$1,000 scholarship
Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Jessica Caver 11th grade
non-renewable \$1,000 scholarship
Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

April Mertens 12th grade
non-renewable \$1,000 scholarship
Merino Jr/Sr High School Merino
A Promising Cancer Treatment: Tumor Suppression Using the Synergism of NSAID and Aloe

Colin Oldberg 9th grade
non-renewable \$1,000 scholarship
Coronado High School Colorado Springs
Light-Operated Logic

Josh Haimes 12th grade
non-renewable \$1,000 scholarship
Boulder High School Boulder
WGA Amplification and Thin Film Detection of Methicillin Resistant/Sensitive Staphylococcus aureus

Amber Henry 10th grade
non-renewable \$1,000 scholarship
Hi-Plains High School Joes
An Algorithm Demonstrating Impact Splatter Pattern Due to Angle of Incidence Using a Dichotomous Key

Holly McGuire 11th grade
non-renewable \$1,000 scholarship
Woodlin Undivided High School Lindon
Comparing Extracted and Amplified Mitochondrial DNA

Colorado State University All Fair Scholarship

Craig Wright 10th grade
non-renewable \$1,000 scholarship
Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Josh Haimes 12th grade
non-renewable \$1,000 scholarship
Boulder High School Boulder
WGA Amplification and Thin Film Detection of Methicillin Resistant/Sensitive Staphylococcus aureus

Aaron Burgess & Kristen Rasmussen 11th grade
non-renewable \$1,000 scholarship
Fairview High School Boulder
Aircraft Icing: Why Does It Happen?

Intel Corporation
Ryan Patterson Scholarship

Lila Hickey 12th grade
\$2,000 scholarship to the college of choice
Brush High School Hillrose
Ups & Downs: Simulated Elevator Control

Science Service

Conservation International
Award in Biodiversity Conservation Science 2002

Matthew Simes 12th grade
certificate, Biodiversity Hotspots map (mailed later)
Centaurus High School Lafayette
Relative Abundance of Ponderosa Pine Bird Species Along an Elevational Gradient

Discovery Communications, Inc.
Discovery Young Scientist Challenge

Harold Klausner 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Woodlin Undivided High School Woodrow
Available Nitrogen vs. Legume Nodulation

Annie Sandner 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
St. Columba School Durango
Aerodynamics of Modern Rocketry

Adam Sidman 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
North Middle School Colorado Springs
Wind Turbine Design

Meaghan Kormondy 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
St. Mary's School of Littleton Highlands Ranch
Paper or Plastic?

Jeff Loewe 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Evangelical Christian Academy Colorado Springs
Pick Up the Beat

Nathan McNew 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Jefferson Academy Junior High School Arvada
Investigation of Prime Numbers

Meredith MacGregor 7th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Burbank Middle School Boulder
Avalanche! A Search for Self-Organized Criticality

Marty Sandberg 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
St. Mary's School of Littleton Littleton
Rat Race

Alex West 8th grade
Andrew West 6th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
West Jefferson Middle School Conifer
I'm Exhausted

certificate, DYSC nomination, t-shirt will be provided to those
Kelly Valdes 8th grade
submitting their projects for competition
St. Mary's School of Littleton Littleton
Thieves Steal Bacteria

Eastman Kodak Company

Jacqueline Consaul 11th grade
certificate, Kodak camera and film (mailed later)
Del Norte High School Center
A Study on the Interaction Between Blackleg and PVY on Potatoes

Herbert Hoover Presidential Library Association

The Herbert Hoover Young Engineer Award

Craig Wright 10th grade
medallion, certificate
Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Intel Corporation

Intel Excellence in Computer Science Award

Colin Oldberg 9th grade
certificate, \$200 (mailed later)
Coronado High School Colorado Springs
Light-Operated Logic

Intel Excellence in Environmental Health & Safety Award

Jessica Caver 11th grade
certificate, \$200 (mailed later)
Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

NACE International

Tyler Keck 8th grade
certificate
Monte Vista Middle School Monte Vista
To Corrode or Not to Corrode: Preventing Microbiologically Influenced Corrosion (MIC) on Steel Using a Polyurethane Coating

Scientific American

Nicole Thomas 10th grade
certificate, subscription to Scientific American
Sierra Grande High School Blanca
WNC 230-14RU Resistant or Immune to Potato Leaf Roll Virus

Brandon Rosgen 11th grade
certificate, subscription to Scientific American
Pagosa Springs High School Pagosa Springs
River Banks - Nature's Erodible Boundaries

Craig Wright 10th grade
certificate, subscription to Scientific American
Woodlin Undivided High School Akron
Designing a Linear Peristaltic Pump Using Ferrofluids

Jessica Caver 11th grade
certificate, subscription to Scientific American
Woodlin Undivided High School Deer Trail
Evaluating Designer Solids for Remediation of Heavy Elements in Aqueous Waste Streams

April Mertens 12th grade
certificate, subscription to Scientific American
Merino Jr/Sr High School Merino
A Promising Cancer Treatment: Tumor Suppression Using the Synergism of NSAID and Aloe

Colin Oldberg 9th grade
certificate, subscription to Scientific American
Coronado High School Colorado Springs
Light-Operated Logic

Amber Henry 10th grade
certificate, subscription to Scientific American
Hi-Plains High School Joes
An Algorithm Demonstrating Impact Splatter Pattern Due to Angle of Incidence Using a Dichotomous Key

Holly McGuire 11th grade
certificate, subscription to Scientific American
Woodlin Undivided High School Lindon
Comparing Extracted and Amplified Mitochondrial DNA

Aaron Burgess & Kristen Rasmussen 11th grade
certificate, subscription to Scientific American
Fairview High School Boulder
Aircraft Icing: Why Does It Happen?

Josh Haimes 12th grade
certificate, subscription to Scientific American
Boulder High School Boulder
WGA Amplification and Thin Film Detection of Methicillin Resistant/Sensitive Staphylococcus aureus

Society for In Vitro Biology

Levi Klausner 11th grade
certificate
Woodlin Undivided High School Woodrow
Selecting for Salt Tolerance in 5 Varieties of Wheat

United States Metric Association

Alex Lande 7th grade
certificate
Ignacio Junior High School Ignacio
The Truth Behind Jurassic Park

Adam Brungardt
certificate

11th grade

Brush High School

Brush

Spinning Samaras: A Study into Seed Distribution

United States Public Health Service

T. J. Van Bibber
certificate

7th grade

Sargent Junior High School

Monte Vista

You Are What You Eat

Water Environment Federation

Stockholm Junior Water Prize

Katherine Hermann
certificate

9th grade

Boulder High School

Louisville

Predicting Water Quality with Landscape Metrics