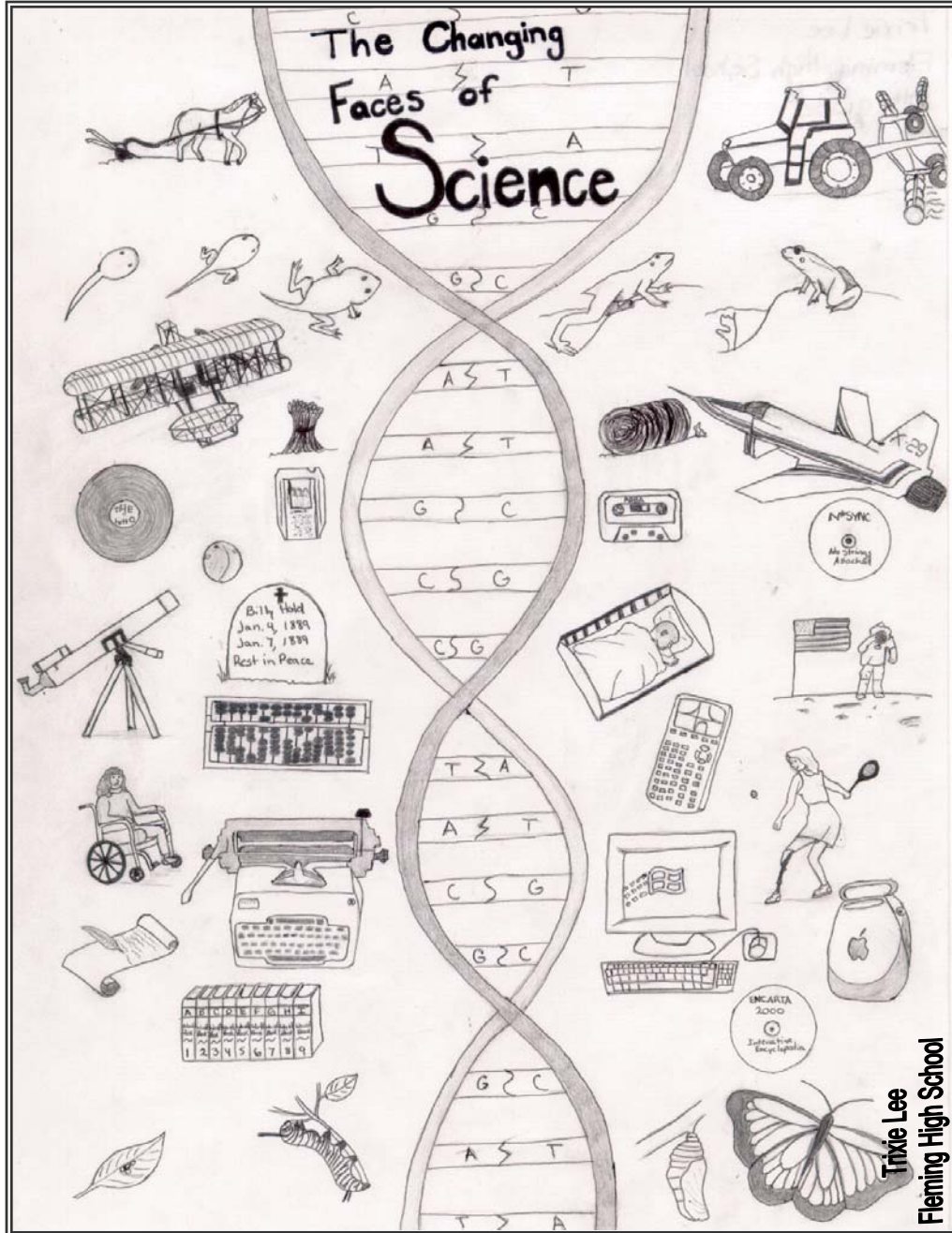


Press Release



2001 Colorado Science and Engineering Fair

Grand Awards Press Release

Junior Division Best Individual Projects

1st Place

Kalen Meine 8th grade
Earth or Bust! Making Fuel to Return from Mars
 Mackintosh Academy Denver

2nd Place

Kelsea Ferrato & Erika Langhart 7th grade
The Big Burn: Immediate Post Fire Effects of the Mesa Verde National Park Fires
 Miller Middle School Durango

3rd Place

Matt Nobles 7th grade
Knotty Math 2
 Pagosa Springs Junior High School Pagosa Springs

Senior Division Best Individual Projects

1st Place

Ryan Patterson 11th grade
The Sign Translator
 Central High School Grand Junction

2nd Place

Keri Propst 12th grade
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression
 Merino Jr/Sr High School Merino

3rd Place

Milena Pastore 11th grade
They Came, They Saw, They Devoured
 Monte Vista High School Monte Vista
 Woodrow

Junior Division Botany

1st Place

Kylee Willard 7th grade
Nutrient Differences in Local Farm Soils
 Fort Lupton Middle School Fort Lupton

2nd Place

Lauren Smith 8th grade
Transformation Efficiency of E. coli Using Aged Cultures
 Mountain Ridge Middle School Colorado Springs

3rd Place

Chelsea Komlo 7th grade
Surviving with Salt
 West Middle School Grand Junction

Honorable Mention

Ciara Hall 8th grade
Arsenic and Green Lace
 St. Mary's of Littleton School Littleton

Honorable Mention

Brad Hertneky 7th grade
What Do Disposable Diapers and Farming Have in Common? Polymers!
 Burlington Middle School Burlington

Honorable Mention

Kathleen Majewski 7th grade
Glowing, Growing, Grown
 St. Mary's of Littleton School Littleton

Honorable Mention

Reid Mattive 6th grade
There's a Fungus Among Us
 Sargent Elementary School Monte Vista

Honorable Mention

Katelyn Starkebaum 8th grade
Sproutin' Up
 Haxtun Junior High School Haxtun

Honorable Mention

John Wilkinson 7th grade
Full Spectrum Beans
 Mountain Ridge Middle School Colorado Springs

Senior Division Botany

1st Place

Nathan Davidson 12th grade
Potential Inoculum Reservoir for PVY in the San Luis Valley, Colorado
 Monte Vista High School Monte Vista

2nd Place

Scott Lancaster 12th grade
Microbial Fuel Cells 2
 Walsh Jr/Sr High School Walsh

3rd Place

Shannon George 11th grade
Inducing Changes in Osmotic Pressure to Clonally Cryopreserved Propagated Buffalo Grass
 Woodlin School Woodrow

Honorable Mention

Levi Klausner 10th grade
Organic Opposition
 Woodlin School Woodrow

Honorable Mention

Nicolas Burrows 9th grade
Go South Young Radish
 Palmer High School Colorado Springs

Honorable Mention

April Mertens 11th grade
An In Vitro Approach to Study the Effects of Genetic Engineering on Antibiotic Resistance
 Merino Jr/Sr High School Merino

**Junior Division
 Earth & Space Sciences**

1st Place

Meredith MacGregor 6th grade
Measuring the Sun's Rotation at Solar Maximum
 Burbank Middle School Boulder

2nd Place

Thatcher Heumann 8th grade
The Heat Is On!
 Summit Middle School Boulder

3rd Place

Lauren Hakes 6th grade
Sunspot Observation
 Miller Middle School Durango

Honorable Mention

Adam Blackford 8th grade
What Methods Control Erosion Best?
 Swink School Swink

**Senior Division
 Earth & Space Sciences**

1st Place

Evan Burgess 12th grade
Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine Erosion
 Fairview High School Boulder

2nd Place

Adam Ginsburg 10th grade
Stability of a Small Planet's Orbit in the Habitable Zone of a Three Body System
 Cherry Creek High School Greenwood Village

3rd Place

Brandon Gosch 9th grade
The Erosion Effect: Soil Movement in the Garden of the Gods
 Palmer High School Colorado Springs

**Junior Division
 Engineering**

1st Place

Kalen Meine 8th grade
Earth or Bust! Making Fuel to Return from Mars
 Mackintosh Academy Denver

2nd Place

Kevin Weber 8th grade
Communicating at the Speed of Light: Free-Air Laser Communications
 Challenger Middle School Colorado Springs

3rd Place

Robert Glissmann 7th grade
To Track . . . Or . . . Not to Track: Examining the Benefits of Solar Tracking
 Summit Middle School Boulder

Team Award Nomination

Mark Loiseau 8th grade
The Use of Simple Fuzzy Logic in Robotics
 Rick's Center for Gifted Children Denver

Honorable Mention

Megan Vogel 8th grade
Slinky the Electric Toy
 Holy Family Catholic School Grand Junction

**Senior Division
 Engineering**

1st Place

Ryan Patterson 11th grade
The Sign Translator
 Central High School Grand Junction

2nd Place

Dak Steiert 10th grade
A Thesis on Liquid Bi-Propellant Rocket Propulsion
 Battle Mountain High School Edwards

3rd Place

Natalie Barnes 12th grade
Are You Done with the Paper Yet, Dear?
 Woodlin School Woodrow

Honorable Mention

Robert Ussery 9th grade
Remotely Piloted Crop Dusting
 Home Schooled Fort Collins

Honorable Mention

Craig Bryan 10th grade
Vulcan Block: A Building System for the Future
 Sargent Jr/Sr High School Monte Vista

Honorable Mention

Michael Yurkoski 10th grade
Autonomous Robot Pet
 Broomfield High School Broomfield

**Junior Division
 Environmental Sciences**

1st Place

Clark Patton 8th grade
Feces Happens
 Summit Middle School Boulder

2nd Place

Corey Swanson 8th grade
The Effect of Radiation on Seed Germination, Plant Growth and Their Chromosomes
 Fort Lupton Middle School Fort Lupton

3rd Place

Tyler Benton 8th grade
The Ecological Study of Microbial CO₂ Respiration of Grazed and Ungrazed Rangeland Grasses
 Hi-Plains Jr/Sr High School Seibert

Honorable Mention

Katherine Hermann 8th grade
The Water Quality of Boulder Creek
 Southern Hills Middle School Boulder

Honorable Mention

Dusty Werner 7th grade
Airvill Population
 St. Anthony's Catholic School Sterling

Honorable Mention

Chris Michel 7th grade
A River Runs Through It: A Study of the South Platte River
 Merino Jr/Sr High School Merino

**Senior Division
 Environmental Sciences**

1st Place

Milena Pastore 11th grade
The Came, They Saw, They Devoured
 Monte Vista High School Monte Vista

2nd Place

Lori Timm 12th grade
Alar Scare: Real or Hysteria?
 Monte Vista High School Monte Vista

3rd Place

Mary Grace Beard 11th grade
Dust Suppression for Agricultural Application
 Walsh Jr/Sr High School Walsh

Honorable Mention

Christine Knoblauch 11th grade
Whose Fault Is It Anyway? The Alamosa River
 Monte Vista High School Monte Vista

Honorable Mention

Ryan Schnell 12th grade
A Possible Control of Pine Beetle Infestations by Overcoming Larval Supercooling
 Fairview High School Boulder

Honorable Mention

Craig Wright 9th grade
Gone with the Wind: Predicting Wind Erosion
 Woodlin School Woodrow

**Junior Division
 Health & Behavioral Sciences**

1st Place

Graham Anderson 7th grade
You're an All-Star! An Experiment about Athletes and Visual Reflexes
 North Middle School Colorado Springs

2nd Place

Alex West 7th grade
Development of a Manipulative Model for Instruction in DNA Sequencing for Use in Public Schools
 West Jefferson Middle School Conifer

3rd Place

Ava Hoffman 8th grade
My How Time Flies
 Sargent Jr/Sr High School Monte Vista

Honorable Mention

Kori Tagtmeyer 8th grade
Determining the Presence of Clostridium perfringens
 Hi-Plains Jr/Sr High School Seibert

Honorable Mention

Nathan Spaulding 7th grade
Study of Various Bacteria's Resistance to Bacteriophage
 Platt Middle School Louisville

Honorable Mention

Eris Moore 8th grade
The Hypocrisy of Antibacterial Hand Gels
 Woodlin School Woodrow

Honorable Mention

Alexis Brettschneider 7th grade
Neon's Fluorescent Search
 Highland Middle School Carr

Honorable Mention

Brian Walker 7th grade
Gross! Mung?! What IS the Green Stuff on Nosepads?
 Fort Morgan Middle School Fort Morgan

Honorable Mention

Darrick Ohr 8th grade
Get a Grip: Culturing Bacteria from Handles
 Woodlin School Woodrow

**Senior Division
 Health & Behavioral Sciences**

1st Place

Keri Propst 12th grade
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression
 Merino Jr/Sr High School Merino

2nd Place

Sara McFarland 10th grade
Triclosan: Bacterial Resistance Ahead?
 Hoehne High School Hoehne

3rd Place

Kelly Haller 10th grade
*Nutritional Intervention as a Potential Treatment for
 Dogs with Degenerative Joint Disease*
 Woodlin School Woodrow

Honorable Mention

Crystal Meyrett 11th grade
Can You Eliminate Scrapie Genetically?
 Kiowa High School Kiowa

Honorable Mention

Amy Liu 11th grade
Adverse Effects of Iron Plus Vitamin C on Human Cells
 Cherry Creek High School Greenwood Village

**Junior Division
 Mathematics & Computer Sciences**

1st Place

Matt Nobles 7th grade
Knotty Math 2
 Pagosa Springs Junior High School Pagosa Springs

2nd Place

Tyler Nicely 8th grade
The Effects of MP3 Compression on Music Quality
 Home Schooled Colorado Springs

3rd Place

Adam Sidman 7th grade
Patterns in DNA: The Vocabulary of Life
 North Middle School Colorado Springs

Honorable Mention

Briennan Groves 7th grade
A Math Lesson in Democracy
 Wiggins Jr/Sr High School Wiggins

Honorable Mention

Amanda Parker 8th grade
*The Relationship between Trigonometric Ratios and
 Circular Motion*
 Cherry Creek West Middle School Greenwood Village

**Senior Division
 Mathematics & Computer Sciences**

1st Place

Brian Camley 10th grade
*The New Polynomial Diet (Lose Pixels, Look Better): A
 Legendre Polynomial Based Alternative to JPEG*
 Palmer High School Colorado Springs

2nd Place

Kevin Christopher 12th grade
*Isomap and Neural Networks: A Comparison of
 Dimensionality Reduction Frameworks*
 Cherry Creek High School Greenwood Village

3rd Place

Eric Doner 11th grade
Boris of Course
 Walsh Jr/Sr High School Walsh

**Junior Division
 Physical Sciences**

1st Place

Merika Meertens 7th grade
Sticky Static
 Centennial Middle School Boulder

2nd Place

Meredith Myre 6th grade
The Effect of Heat and Humidity on Membranophones
 Miller Middle School Durango

3rd Place

Rolena Richardson 8th grade
What's Up with Fermentation?
 Berry Creek Middle School Avon

Honorable Mention

Alyssa Hill 8th grade
*Rusty Chevrolet: The Effects of Ice Melting Compounds
 on Car Parts*
 Fort Morgan Middle School Fort Morgan

Honorable Mention

Catehrine Gold 7th grade
Brick-A-Brac
 Rick's Center for Gifted Children Denver

**Senior Division
 Physical Sciences**

1st Place

Jessica Caver 10th grade
*Influence of an Aqueous Environment on the
 Solidification Behavior of Underwater Wet Welds*
 Woodlin School Woodrow

2nd Place

Lucas Ingmire 12th grade
*Newton's Law or Murphy's? The Physics of Falling
 Bread*
 Brush High School Brush

3rd Place

Jessica Sidman 9th grade
*Magnetoplasmadynamics: The Future in Space
 Propulsion?*
 Palmer High School Colorado Springs

Honorable Mention

Philip Kirmuss 10th grade
Wireless Energy
 Bayfield High School Bayfield

**Junior Division
 Zoology**

1st Place

Scott Japhet 7th grade
*Enlightened Nerka: Response of Kokanee Salmon Fry to
 Light and Sound*
 Miller Middle School Durango

2nd Place

Stacey Bartlett 7th grade
Gene Prints: Do Genetics Influence Fingerprints?
 Merino Jr/Sr High School Merino

3rd Place

Nathan Schmidt 7th grade
Will Poisonous Plastics Take You To the Undertaker?
 Merino Jr/Sr High School Merino

Honorable Mention

Mark Baker 6th grade
Fishy Response
 Buchanan Middle School Wray

Honorable Mention

Travis Campbell 6th grade
A Study of Long Term Memory in a Rat
 Miller Middle School Durango

**Senior Division
 Zoology**

1st Place

Betsy Taylor 12th grade
*A Study of Environmental Hormones: Testing PVC
 Extract on Wild Fruit Flies*
 Palmer High School Colorado Springs

2nd Place

Frank Bauer 11th grade
*A Comparative Study of M. Cerebralis Infection in Three
 Different Species of Salmonid Fishes*
 Brush High School Brush

3rd Place

Melissa Pinkerton 12th grade
*Cell Damage: The Effects of Cellular Phone Emissions
 on E. coli and Drosophila melanogaster*
 Monte Vista High School Monte Vista

Honorable Mention

Amber Henry 9th grade
*Forensic Entomology: A Simulation of Sarcophaga
 bullata Development in Varying Temperatures*
 Hi-Plains Jr/Sr High School Seibert

Honorable Mention

Michelle Itano 11th grade
Locating Genes on a Drosophila Chromosome
 Fairview High School Boulder

Honorable Mention

Alexia Peake 12th grade
*The Effects of Environmental Hazards on
 Over-Expressed dp53 Drosophila*
 Merino Jr/Sr High School Merino

**Junior Division
 Teams**

1st Place

Kelsea Ferrato & Erika Langhart 8th grade
*The Big Burn: Immediate Post-Fire Effects of the Verde
 National Park Fires*
 Miller Middle School Durango

2nd Place

Molly Kraus & Hannah Kraus 8th grade
Biosphere: Controlled Ecological Life Support System
 Pagosa Springs Junior High School Pagosa Springs

3rd Place

John Young & Cody Iszler 8th grade
Pollution from Fireplace Fuels
 Ridgeway School Ridgeway

Honorable Mention

Joel Martin & Douglas Jolly 8th grade
Water Holding Capacities of Lincoln County Soils
 Genoa-Hugo School Hugo

**Senior Division
 Teams**

1st Place

Curtis Larimer & Dave Wacker 9th grade
Mathematics Is Not Yet Ready for Such Problems
 Palmer High School Colorado Springs

2nd Place

Kristen Rasmussen & Aaron Burgess 10th grade
*Microbarometric Turbulence: Measuring Invisible
 Atmospheric Waves with a Homemade Microbarograph*
 Fairview High School Boulder

3rd Place

Jessica McAlister & Jayme Johnson 11th grade
Illuminating the Truth About Melatonin
 Palmer High School Colorado Springs

Honorable Mention

Kendal Bauman & Ashley Chapin 11th grade
*The Effects of Polymer Crystals on Nitrates and Plant
 Growth*
 Pawnee High School Grover

Honorable Mention

Luke Klausner & Bryan Herrera 12th grade
Breaking the Constraints of the Gregorian Time System
Woodlin School Woodrow

Honorable Mention

Samuel Haug 10th grade
Andy Lin 11th grade
Investigation of Antibacterial Detergent
Cherry Creek High School Greenwood Village

Honorable Mention

Valerie Brice, Java Tunson & Anna Nussbaum 11th grade
*The Biological, Chemical and Physical Interaction within
a Wetland's Ecosystem*
Palmer High School Colorado Springs

2001 Colorado Science and Engineering Fair Special Awards Press Release

Colorado Science and Engineering Fair

Ralph Desch Memorial Technical Writing Award

Betsy Taylor 12th grade
 \$100, certificate
 Palmer High School Colorado Springs
A Study of Environmental Hormones: Testing PVC Extract on Wild Fruit Flies

Student Choice Award

Adam Sidman 7th grade
 \$25, trophy
 North Middle School Colorado Springs
Patterns in DNA: The Vocabulary of Life

Evan Burgess 12th grade
 \$25, trophy
 Fairview High School Boulder
Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine Erosion

Bennett Merriman 11th grade
 \$25, trophy
 Wasson High School Colorado Springs
Ionic Propulsion

Poster Art Contest

Molly Kraus & Hannah Kraus
 certificate, \$100
 Pagosa Springs Junior High School Pagosa Springs

Military

United States Army

Jesse Sindler & Sarah Sindler 6th grade
 certificate, \$50 savings bond
 Skyline Elementary School Canon City
Walking on Water

Weston Brownlee, Beau McBrien & Michael Unruh 8th grade
 certificate, \$50 savings bond
 Frontier Academy Greeley
Search for the Stars

Frank Bauer 11th grade
 certificate, \$50 savings bond
 Brush High School Brush
A Comparative Study of M. cerebralis Infection in Three Different Species of Salmonid Fishes

Kayla Cochran 9th grade
 certificate, \$50 savings bond
 Sargent Jr/Sr High School Monte Vista
Hippo Therapy: Hidden Horsepower

Keri Propst 12th grade
 certificate, \$100 savings bond, bronze medallion
 Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

United States Navy & United States Marine Corps Office of Naval Research Award

Keri Propst 12th grade
 Certificate, graphic calculator
 Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

Melissa Pinkerton 12th grade
 Certificate, graphing calculator
 Monte Vista High School Monte Vista
Cell Damage: The Effects of Cellular Phone Emissions on E. coli and Drosophila melanogaster

Christopher Anderson 11th grade
 Certificate, graphing calculator
 Merino Jr/Sr High School Merino
Direct Methanol Fuel Cells for Use in Impressed Current Systems

Eric Doner 11th grade
 certificate, graphing calculator
 Walsh Jr/Sr High School Walsh
Boris of Course

Organizational

American Association of University Women

Kristen Claunch 6th grade
 \$100
 Mountain Ridge Middle School Colorado Springs
Is Your Toothpaste "Egg"cellent?

American Chemical Society Colorado Section

Alyssa Hill 8th grade
 \$100
 Fort Morgan Middle School Fort Morgan
Rusty Chevrolet: The Effects of Ice Melting Compounds on Car Parts

Dak Steier 10th grade
 \$100
 Battle Mountain High School Edwards
A Thesis on Liquid Bi-Propellant Rocket Propulsion

**American Institute of Chemical Engineers
Rocky Mountain Section**

Michael Deen 9th grade
\$75
Christian Fellowship School Denver
Making an Oil Spill Containment Device Containing Polyabsorbant Crystals

Kalen Meine 8th grade
\$100
Mackintosh Academy Denver
Earth or Bust! Making Fuel to Return from Mars

**American Meteorological Society
Denver/Boulder Chapter**

Thatcher Heumann 8th grade
certificate, \$50 gift certificate to Barnes & Nobel
Summit Middle School Boulder
The Heat Is On!

Molly McClurg 8th grade
certificate, \$50 gift certificate to Barnes & Nobel
Boltz Junior High School Fort Collins
The Heat Is On

**American Vacuum Society
Rocky Mountain Chapter**

Kalen Meine 8th grade
\$50, \$50 for winner's school
Mackintosh Academy Denver
Earth or Bust! Making Fuel to Return from Mars

Kevin Weber 8th grade
\$100, \$100 for winner's school
Challenger Middle School Colorado Springs
Communicating at the Speed of Light: Free-Air Laser Communications

Kristen Rasmussen & Aaron Burgess 10th grade
\$50, \$50 for winner's school
Fairview High School Boulder
Microbarometric Turbulence: Measuring Invisible Atmospheric Waves with a Homemade Microbarograph

Jessica Caver 10th grade
\$100, \$100 for winner's school
Woodlin School Woodrow
Influence of an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

**American Water Works Association
Rocky Mountain Section**

Hayley Finley 9th grade
\$50, plaque
Palmer High School Colorado Springs
Simply Irresistible: Bacterial Immunities to Disinfectants

Christine Knoblauch 11th grade
\$75, plaque
Monte Vista High School Monte Vista
Whose Fault Is It Anyway? The Alamosa River

Anna Peterson 9th grade
\$100, plaque
Rifle High School Rifle
Killer Chemicals

**American Welding Society
Colorado Section**

Kalen Meine 8th grade
trophy, \$25
Mackintosh Academy Denver
Earth or Bust! Making Fuel to Return from Mars

Jessica Caver 10th grade
trophy, \$25
Woodlin School Woodrow
Influence of an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

Analex Corporation

Brad Klingenberg 9th grade
certificate, \$100
Greeley Central High School Greeley
Constrictor: The Development and Implementation of an Alternative Compression Algorithm

**ASM International
Rocky Mountain Chapter**

Alyssa Hill 8th grade
\$50
Fort Morgan Middle School Fort Morgan
Rusty Chevrolet: The Effects of Ice Melting Compounds on Car Parts

Jessica Caver 10th grade
\$75
Woodlin School Woodrow
Influence of an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

**Association for Women Geoscientists
Denver Chapter**

Meredith MacGregor 6th grade
\$50, rock sample
Burbank Middle School Boulder
Measuring the Sun's Rotation at Solar Maximum

Christine Knoblauch 11th grade
\$50, rock sample
Monte Vista High School Monte Vista
Whose Fault Is It Anyway? The Alamosa River

Colorado Association of Science Teachers

Kevin Weber 8th grade
\$50, certificate
Challenger Middle School Colorado Springs
Communicating at the Speed of Light: Free-Air Laser Communications

Kelsea Ferrato & Erika Langhart 8th grade
 \$50, certificate
 Miller Middle School Durango
The Big Burn: Immediate Post-Fire Effects of the Mesa Verde National Park

Jessica Sidman 9th grade
 \$50, certificate
 Palmer High School Colorado Springs
Magnetoplasmadynamics: The Future in Space Propulsion?

Luke Klausner & Bryan Herrera 12th grade
 \$50, certificate
 Woodlin School Woodrow
Breaking the Constraints of the Gregorian Time System

Colorado Biology Teachers Association

Kelsea Ferrato & Erika Langhart 8th grade
 \$25, plaque
 Miller Middle School Durango
The Big Burn: Immediate Post-Fire Effects of the Mesa Verde National Park

Michelle Itano 11th grade
 \$25, plaque
 Fairview High School Boulder
Locating Genes on a Drosophila Chromosome

Colorado Dental Association

Kristin Cluanch 6th grade
 watch
 Mountain Ridge Middle School Colorado Springs
Is Your Toothpaste "Egg"cellent?

Drew Doner 7th grade
 \$25, plaque
 Walsh Jr/Sr High School Walsh
How "Germie" Is Your Toothbrush?

Lauren Neher 10th grade
 \$50, plaque
 Home Schooled Brush
The Effectiveness of Oxacillin vs. Bacitracin on Streptococcal Bacteria

Colorado Foundation for Agriculture

Agriculture in the Classroom Award

Irina Hardesty 8th grade
 certificate, cash award
 West Jefferson Middle School Conifer
Non-Native Noxious Nuisances: A Study of Noxious Weed Frequency

April Mertens 11th grade
 certificate, cash award
 Merino Jr/Sr High School Merino
An In Vitro Approach to Study the Effects of Genetic Engineering on Antibiotic Resistance

Colorado Geological Survey

Thatcher Heumann 8th grade
 \$75
 Summit Middle School Boulder
The Heat Is On!

Evan Burgess 12th grade
 \$75
 Fairview High School Boulder
Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine Erosion

Colorado Medical Society Education Foundation

Bradley Proulx 8th grade
 certificate, \$100 savings bond, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
 St. Mary's of Littleton School Littleton
Up In Smoke

Keri Propst 12th grade
 certificate, \$100 savings bond, invitation to exhibit at the Annual meeting and attendance at Presidential Inaugural Dinner
 Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

Colorado Mineral Society

David Sumpter 8th grade
 \$25, 2 mineral specimens, certificate, book
 Swink School Swink
A Study of Earthquake Potential in Southern Colorado

Sarah Broce 6th grade
 \$40, 2 mineral specimens, certificate, book
 Kim School Kim
Fascinating Footprint Facts

Evan Burgess 12th grade
 \$25, 2 mineral specimens, certificate, book
 Fairview High School Boulder
Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine Erosion

Milena Pastore 11th grade
 \$40, 2 mineral specimens, certificate, book
 Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Colorado Mycological Society

Milena Pastore 11th grade
 \$25, book on fungi, certificate
 Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Colorado Scientific Society

Tyler Keck 7th grade
 \$50
 Monte Vista Middle School Monte Vista
Runaway Water: Does Polyacrylamide Help Reduce Soil Erosion?

David Sumpter 8th grade
\$75
Swink School Swink
A Study of Earthquake Potential in Southern Colorado

Evan Burgess 12th grade
\$75
Fairview High School Boulder
Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine Erosion

Christine Knoblauch 11th grade
\$100
Monte Vista High School Monte Vista
Whose Fault Is It Anyway? The Alamosa River

Colorado Sustainability Project

Charlie Keenan 8th grade
\$75, certificate, information on sustainability
Holy Family Catholic School Grand Junction
Save the Water!

Casey Steele 8th grade
\$125, certificate, information on sustainability
Hayden Middle School Hayden
Slick Solutions

Craig Bryan 10th grade
\$75, certificate, information on sustainability
Sargent Jr/Sr High School Monte Vista
Vulcan Block: A Building System for the Future

Milena Pastore 11th grade
\$125, certificate, information on sustainability
Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Colorado Veterinary Medical Association

Kori Tagtmeyer 8th grade
certificate, gold medallion, \$50
Hi-Plains Jr/Sr High School Seibert
Determining the Presence of Clostridium perfringens

Rachel Bradshaw 9th grade
certificate, gold medallion, \$50
Palmer High School Colorado Springs
BINGO: Pet-Facilitated Therapy and the Elderly

Colorado State University

Dept. of Biochemistry & Molecular Biology

Keri Propst 12th grade
certificate, \$100
Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

Colorado State University Department of Chemistry

Lindsay Kallevik 8th grade
certificate, \$100
Evangelical Christian Academy Colorado Springs
De-Ice My Sidewalk!

Jessica Caver 10th grade
certificate, \$100
Woodlin School Woodrow
Influence of an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

Colorado State University

Dept. of Horticulture & Landscape Architecture

John Wilkinson 7th grade
\$100
Mountain Ridge Middle School Colorado Springs
Full Spectrum Beans

Nathan Davidson 12th grade
\$100
Monte Vista High School Monte Vista
Potential Inoculum Reservoir for PVY in the San Luis Valley, Colorado

Fort Collins Soil Conservation District

Tyler Benton 8th grade
\$50, plaque
Hi-Plains Jr/Sr High School Seibert
The Ecological Study of Microbial CO₂ Respiration of Grazed and Ungrazed Rangeland Grasses

Mary Grace Beard 11th grade
\$50, plaque
Walsh Jr/Sr High School Walsh
Dust Suppression for Agricultural Application

Kodak Colorado Division

Corey Swanson 8th grade
35 mm camera
Fort Lupton Middle School Fort Lupton
The Effect of Radiation on Seed Germination, Plant Growth and Their Chromosomes

Lauren Neher 10th grade
35mm camera
Home Schooled Brush
The Effectiveness of Oxacillin vs. Bacitracin on Streptococcal Bacteria

Lockheed Martin Astronautics

Dak Steiert 10th grade
Titan IV B model
Battle Mountain High School Edwards
A Thesis on Liquid Bi-Propellant Rocket Propulsion

National Geophysical Data Center

Thatcher Heumann 8th grade
certificate, plaque, \$100 savings bond
Summit Middle School Boulder
The Heat Is On!

National Renewable Energy Laboratory

Robert Glissmann 7th grade
\$100
Summit Middle School Boulder
To Track . . . Or . . . Not to Track: Examining the Benefits of Solar Tracking

Optical Society of America Rocky Mountain Section

John Wilkinson 7th grade
subscription to Discover magazine, certificate, Optical Society
Discovery kit
Mountain Ridge Middle School Colorado Springs
Full Spectrum Beans

Meredith MacGregor 6th grade
subscription to Discover magazine, certificate, Optical Society
Discovery kit
Burbank Middle School Boulder
Measuring the Sun's Rotation at Solar Maximum

Kevin Weber 8th grade
subscription to Discover magazine, certificate, Optical Society
Discovery kit
Challenger Middle School Colorado Springs
*Communicating at the Speed of Light: Free-Air Laser
Communications*

Rocky Mountain Goats Foundation

Gregory Scott 7th grade
\$100
Evergreen Mountain School Evergreen
Changes in Plant Life of Different Life Zones

Ryan Schnell 12th grade
\$100
Fairview High School Boulder
*A Possible Control of Pine Beetle Infestations by Overcoming
Larval Supercooling*

Rocky Mountain Inventors & Entrepreneurs Congress

Kalen Meine 8th grade
\$50
Mackintosh Academy Denver
Earth or Bust! Making Fuel to Return from Mars

Megan Vogel 8th grade
\$50
Holy Family Catholic School Grand Junction
Slinky the Electrical Toy

Ryan Patterson 11th grade
\$50
Central High School Grand Junction
The Sign Translator

Keri Propst 12th grade
\$50
Merino Jr/Sr High School Merino
*A Possible Cystic Fibrosis Treatment: The Production of
Glutathione by Inducing MRP Expression*

Rocky Mountain Water Environment Association

Katherine Hermann 8th grade
savings bond (mailed later)
Southern Hills Middle School Boulder
The Water Quality of Boulder Creek

Clark Patton 8th grade
savings bond (mailed later)
Summit Middle School Boulder
Feces Happens

Christine Knoblauch 11th grade
savings bond (mailed later)
Monte Vista High School Monte Vista
Whose Fault Is It Anyway? The Alamosa River

Valerie Brice, Java Tunson & Anna Nussbaum 11th grade
savings bond (mailed later)
Palmer High School Colorado Springs
*The Biological, Chemical and Physical Interactions within a
Wetland's Ecosystem*

Society of Women Engineers Rocky Mountain Section

Tiffani Burke 6th grade
certificate, \$40
Miller Middle School Durango
EddieWeb.net: "Education on the Web"

Megan Vogel 8th grade
certificate, \$60
Holy Family Catholic School Grand Junction
Slinky the Electrical Toy

Kinsie Waid 9th grade
certificate, \$40
Palmer High School Colorado Springs
*The Inconceivable Power Source: Are Fuel Cells the Answer to
Our Energy Needs?*

Natalie Barnes 12th grade
certificate, \$60
Woodlin School Woodrow
Are You Done with the Paper Yet, Dear?

Soil and Water Conservation Society Colorado Chapter

Bear Shash 7th grade
\$25, voucher from Hach Company, certificate, ribbon
Gardner School Gardner
What's Lurking in Your Water?

Tyler Benton 8th grade
\$50, voucher from Hach Company, certificate, ribbon
Hi-Plains Jr/Sr High School Seibert
*The Ecological Study of Microbial CO₂ Respiration of Grazed
and Ungrazed Rangeland Grasses*

Alicia McDaniel & Cassie Kembel 11th grade
\$25, voucher from Hach Company, certificate, ribbon
Brush High School Brush
Alkaloids in Morgan County, Colorado Plants

Ann Tietmeyer 12th grade
\$50, voucher from Hach Company, certificate, ribbon
Pawnee High School Grover
The Effects of Polyacrylamide on Soil Erosion

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

Keri Propst 12th grade
\$100
Merino Jr/Sr High School Merino
*A Possible Cystic Fibrosis Treatment: The Production of
Glutathione by Inducing MRP Expression*

United States Department of Commerce

Evan Burgess 12th grade
plaque
Fairview High School Boulder
*Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine
Erosion*

Melissa Pinkerton 12th grade
plaque
Monte Vista High School Monte Vista
*Cell Damage: The Effects of Cellular Phone Emissions on
Escherchia coli and Drosophila melanogaster*

Ryan Schnell 12th grade
plaque
Fairview High School Boulder
*A Possible Control of Pine Beetle Infestations by Overcoming
Larval Supercooling*

United States Geological Survey

Meredith MacGregor 6th grade
Burbank Middle School Boulder
Measuring the Sun's Rotation at Solar Maximum

Brandon Gosch 9th grade
Palmer High School Colorado Springs
The Erosion Effect: Soil Movement in the Garden of the Gods

**Yale University Science & Engineering
Association**

Ryan Patterson 11th grade
certificate, pewter medallion (mailed later)
Central High School Grand Junction
The Sign Translator

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

Meredith MacGregor 6th grade
\$100
Burbank Middle School Boulder
Measuring the Sun's Rotation at Solar Maximum

Scholarships

**Adams State College Foundation
Adams State College Scholarships**

Scott Lancaster 12th grade
one-year full resident tuition & fees scholarship
Walsh Jr/Sr High School Walsh
Microbial Fuel Cells 2

Brandon Gosch 9th grade
one-year full resident tuition & fees scholarship
Palmer High School Colorado Springs
The Erosion Effect: Soil Movement in the Garden of the Gods

Christopher Anderson 11th grade
one-year full resident tuition & fees scholarship
Merino Jr/Sr High School Merino
*Direct Methanol Fuel Cells for Use in Impressed Current
Systems*

Mary Grace Beard 11th grade
one-year full resident tuition & fees scholarship
Walsh Jr/Sr High School Walsh
Dust Suppression for Agricultural Application

Amy Liu 11th grade
one-year full resident tuition & fees scholarship
Cherry Creek High School Greenwood Village
Adverse Effects of Iron Plus Vitamin C on Human Cells

Eric Doner 11th grade
one-year full resident tuition & fees scholarship
Walsh Jr/Sr High School Walsh
Boris of Course

Pam Cantonwine 12th grade
one-year full resident tuition & fees scholarship
Salida High School Salida
*How Temperature Affects the Growth of Crystals in the
Compound Mannitol*

Holly McGuire 10th grade
one-year full resident tuition & fees scholarship
Woodlin School Woodrow
Tracing the Evolution of the PV-92 Alu Element

**Colorado School of Mines
Colorado School of Mines Scholarships**

Bennett Merriman 11th grade
\$2,000, 4-year scholarship
Wasson High School Colorado Springs
Ionic Propulsion

Ryan Patterson 11th grade
four-year full resident tuition
Central High School Grand Junction
The Sign Translator

**Colorado State University
Colorado State University Scholarship**

Nathan Davidson 12th grade
renewable \$1,000 scholarship
Monte Vista High School Monte Vista
*Potential Inoculum Reservoir for PVY in the San Luis Valley,
Colorado*

Evan Burgess 10th grade
renewable \$1,000 scholarship
Fairview High School Boulder
*Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine
Erosion*

Brian Camley 11th grade
renewable \$1,000 scholarship
Palmer High School Colorado Springs
The New Polynomial Diet (Lose Pixels, Look Better): A Legendre Polynomial Based Alternative to JPEG

Jessica Caver 10th grade
renewable \$1,000 scholarship
Woodlin School Woodrow
Influence on an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

Betsy Taylor 12th grade
renewable \$1,000 scholarship
Palmer High School Colorado Springs
A Study of Environmental Hormones: Testing PVC Extract on Wild Fruit Flies

Colorado State University All Fair Scholarship

Ryan Patterson 11th grade
renewable \$2,500 scholarship
Central High School Grand Junction
The Sign Translator

Milena Pastore 11th grade
renewable \$2,500 scholarship
Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Keri Propst 12th grade
renewable \$2,500 scholarship
Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

Intel Foundation *Intel Scholarship*

Keri Propst 12th grade
\$1,000 scholarship to the college of choice
Merino Jr/Sr High School Merino
A Possible Cystic Fibrosis Treatment: The Production of Glutathione by Inducing MRP Expression

Nathan Davidson 12th grade
\$1,000 scholarship to the college of choice
Monte Vista High School Monte Vista
Potential Inoculum Reservoir for PVY in the San Luis Valley, Colorado

Science Service

ASM International Foundation

Most Outstanding Exhibit in Materials Science

Jessica Caver 10th grade
certificate, Biodiversity Hotspots map
Woodlin School Woodrow
Influence of an Aqueous Environment on the Solidification Behavior of Underwater Wet Welds

Conservation International

Award in Biodiversity Conservation Science 2001

Valerie Brice, Java Tunson & Anna Nussbaum 11th grade
certificate, Biodiversity Hotspots map
Palmer High School Colorado Springs
The Biological, Chemical and Physical Interactions within a Wetland's Ecosystem

Discovery Communications, Inc.

Discovery Young Scientist Challenge

Kylee Willard 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Fort Lupton Middle School Fort Lupton
Nutrient Difference in Local Farm Soils

Meredith MacGregor 6th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Burbank Middle School Boulder
Measuring the Sun's Rotation at Solar Maximum

Kalen Meine 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Mackintosh Academy Denver
Earth or Bust! Making Fuel to Return from Mars

Clark Patton 8th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Summit Middle School Boulder
Feces Happens

Graham Anderson 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
North Middle School Colorado Springs
You're an All-Star! An Experiment About Athletes and Visual Reflexes

Matt Nobles 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Pagosa Springs Junior High School Pagosa Springs
Knotty Math 2

Marika Meertens 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Centennial Middle School Boulder
Sticky Static

Scott Japhet 7th grade
certificate, DYSC nomination, t-shirt will be provided to those submitting their projects for competition
Miller Middle School Durango
Enlightened Nerka: Response of Kokanee Salmon Fry to Light and Sound

Kelsea Ferrato & Erika Langhart 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Miller Middle School Durango
*The Big Burn: Immediate Post-Fire Effects of the Mesa Verde
National Park Fires*

Lauren Smith 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Mountain Ridge Middle School Colorado Springs
Transformation Efficiency of E. coli Using Aged Cultures

Thatcher Heumann 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Summit Middle School Boulder
The Heat Is On!

Kevin Weber 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Challenger Middle School Colorado Springs
*Communicating at the Speed of Light: Free-Air
Communications*

Corey Swanson 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Fort Lupton Middle School Fort Lupton
*The Effect of Radiation on Seed Germination, Plant Growth
and Their Chromosomes*

Alex West 7th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
West Jefferson Middle School Conifer
*Development of a Manipulative Model for Instruction in DNA
Sequencing for Use in Public Schools*

Tyler Nicely 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Home Schooled Colorado Springs
The Effects of MP3 Compression on Music Quality

Meredith Myre 6th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Miller Middle School Durango
The Effect of Heat and Humidity on Membranophones

Stacey Bartlett 7th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Merino Jr/Sr High School Merino
Gene Prints: Do Genetics Influence Fingerprints?

Molly Kraus & Hannah Kraus 8th grade
certificate, DYSC nomination, t-shirt will be provided to those
submitting their projects for competition
Pagosa Springs Junior High School Pagosa Springs
Biosphere: Controlled Ecological Life Support System

Eastman Kodak Company

Jacqueline Consaul 10th grade
certificate, Kodak camera and film (mailed later)
Del Norte High School Del Norte
*The Effects of Blackleg (Erwinia carotovora) Inoculation on
Three Sites on a Russet Norkotah 2 Potato Plant*

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

Ryan Patterson 11th grade
medallion, certificate
Central High School Grand Junction
The Sign Translator

Intel Corporation

Intel Excellence in Environmental Health & Safety Award

Milena Pastore 11th grade
certificate, \$200 (mailed later)
Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Intel Excellence in Computer Science Award

Brian Camley 10th grade
certificate, \$200 (mailed later)
Palmer High School Colorado Springs
*The New Polynomial Diet (Lose Pixels, Look Better): A
Legendre Polynomial Based Alternative to JPEG*

NACE International

Alyssa Hill 8th grade
certificate
Fort Morgan Middle School Fort Morgan
*Rusty Chevrolet: The Effects of Ice Melting Compounds on Car
Parts*

Scientific American

Nathan Davidson 12th grade
certificate, subscription to Scientific American
Monte Vista High School Monte Vista
*Potential Inoculum Reservoir for PVY in the San Luis Valley,
Colorado*

Evan Burgess 12th grade
certificate, subscription to Scientific American
Fairview High School Boulder
*Dating Paleo-Glaciers with a GIS-Based Analysis of Moraine
Erosion*

Ryan Patterson 11th grade
certificate, subscription to Scientific American
Central High School Grand Junction
The Sign Translator

Milena Pastore 11th grade
certificate, subscription to Scientific American
Monte Vista High School Monte Vista
They Came, They Saw, They Devoured

Keri Propst 12th grade
certificate, subscription to Scientific American
Merino Jr/Sr High School Merino
*A Possible Cystic Fibrosis Treatment: The Production of
Glutathione by Inducing MRP Expression*

Brian Camley 10th grade
certificate, subscription to Scientific American
Cherry Creek High School Greenwood Village
*The New Polynomial Diet (Lose Pixels, Look Better): A
Legendre Polynomial Based Alternative to JPEG*

Jessica Caver 10th grade
certificate, subscription to Scientific American
Woodlin School Woodrow
*Influence of an Aqueous Environment on the Solidification
Behavior of Underwater Wet Welds*

Betsy Taylor 12th grade
certificate, subscription to Scientific American
Palmer High School Colorado Springs
*A Study of Environmental Hormones: Testing PVC Extract on
Wild Fruit Flies*

Curtis Larimer & Dave Wacker 9th grade
certificate, subscription to Scientific American
Palmer High School Colorado Springs
Mathematics Is Not Ready for Such Problems

Society for In Vitro Biology

April Mertens 11th grade
certificate
Merino Jr/Sr High School Merino
*An In Vitro Approach to Study the Effects of Genetic
Engineering on Antibiotic Resistance*

United States Metric Association

Brandon Gosch 9th grade
certificate
Palmer High School Colorado Springs
The Erosion Effect: Soil Movement in the Garden of the Gods

United States Public Health Service

Bradley Proulx 8th grade
certificate
St. Mary's of Littleton School Littleton
Up in Smoke

Water Environment Federation

Stockholm Junior Water Prize

Christine Knoblauch 11th grade
certificate, nomination to compete in the US State, National,
and International SJWP competition
Monte Vista High School Monte Vista
Whose Fault Is It Anyway? The Alamosa River