

# Grand Awards

## Senior High Grand Award

- Shankar, Aarthi[11] [SB21], Rampart HS/Regina Miller: “Proteomic characterization of extracellular matrix to identify tumor associated biomolecules part 2”

## Senior High Grand Award Runner Up

- Hahn, Ethan[11] [SD12], Classical Academy - North/Linda Cummings: “Design and construction of a silent magnetohydrodynamic propulsion system”

## Junior High Grand Award

- Carrese, Dominic[6] [6A5], North MS/Greg Busby: “Give me oxygen!: The effects of wastewater treatment”

## Junior High Grand Award Runner Up

- Weyer, Christopher[8] [8C8], Creekside MS/Tracy Matthews: ““Higher” performance pinewood racer”

## Senior Division People’s Choice

- Duffy-Webb, Mickella[9] [SC9], Palmer HS/Carolyn Derr: “H<sub>2</sub>O: How much do you know?”

## Junior Division People’s Choice

- Gant, Kaitlynn[8] [8A4], Carson MS/Pati Hawker: “Peripheral vision”

# Senior Awards

## Senior High Biological Science

### First Place – Senior High Biology

- Kruse, Caleb[11] [SA22], Home School/Tami Kruse: “C the difference III: Quantifying the effects of ocean acidification on phytoplankton and calciferous algae”

### Second Place – Senior High Biology

- Graber, Molly[9] [SA3], Palmer HS/Martha Alvarez: “Manufactured monster: Antibiotic resistance in the water system of Colorado Springs”

### Third Place – Senior High Biology

- Dewey, Ryan[10] [SA4], Palmer HS/Nancy Hampson: “Copper catalysts”
- April, Alexandra[10] [SA18], Coronado HS/Darin Smith: “Petri, petri on the wall, who’s the grossest of them all?”

### Fourth Place – Senior High Biology

- Moran, Taylor[9] [SA15], Palmer HS/Carolyn Derr: “Antioxidants”
- Theobald, Andrew[10] [SA19], Palmer HS/Nancy Hampson: “Manipulating mutations”

### Fifth Place – Senior High Biology

- Jasperse-Sjolander, Liam[9] [SA7], Palmer HS/Martha Alvarez: “A study of bacteriostatic agents”
- Tremmel, Laura[9] [SA12], Palmer HS/Carolyn Derr: “Compost this”
- Braun, Amanda[10] [SA27], Big Sandy Sch./April Lanotte: “Aquatic adaptations”

## Senior High Health/Behavioral Science

### First Place – Senior High Health/Behavioral Science

- Shankar, Aarthi[11] [SB21], Rampart HS/Regina Miller: “Proteomic characterization of extracellular matrix to identify tumor associated biomolecules part 2”

### Second Place – Senior High Health/Behavioral Science

- Rogers, Susannah[10] [SB14], Rampart HS/Robert Young: “The molecular mechanism of combination cancer therapy using chloroquine and avastin”

### Third Place – Senior High Health/Behavioral Science

- Wilbee, Alana[10] [SB1], Palmer HS/Nancy Hampson: “Do you see what I see?”

### Fourth Place – Senior High Health/Behavioral Science

- Raia, Kasey[10] [SB12], Palmer HS/Nancy Hampson: “Music: Efficiency booster or brain drainer?”
- Hinkle, Ellie[9] [SB23], Palmer HS/Carolyn Derr: “You booze it, you lose it”

### Fifth Place – Senior High Health/Behavioral Science

- Pierce, Joanna[10] [SB4], Palmer HS/Nancy Hampson: “Suggested serving sizes vs. actual serving sizes”
- Elkins, Emily[9] [SB11], Palmer HS/Martha Alvarez: “Learning styles”
- Michel, Abigail[9] [SB15], Coronado HS/Lynne Williams: “Teenage health”

## Senior High Physical Science

### First Place – Senior High Physical Science

- Pogar, Timothy[9] [SC13], Palmer HS/Carolyn Derr: “Mpemba effect: Does hot water freeze faster than cold water?”

### Second Place – Senior High Physical Science

- Beasley, Nils[12] [SC4], Mitchell HS/Sean Sorensen: “Measuring sugar concentration of a liquid with a laser pointer”

### Third Place – Senior High Physical Science

- Wallisch, Maria[9] [SC6], Palmer HS/Martha Alvarez: “Which type of orange juice has the most vitamin c?”

### Fourth Place – Senior High Physical Science

- Knapp, Leann[9] [SC10], Palmer HS/Carolyn Derr: “What vegetable turns you on?”

### Fifth Place – Senior High Physical Science

- DeBenedittis, Abigail[10] [SC2], Collegium Home Sch./Keli Stoddard: “Spilled nail polish: Oh no!”
- Loew, Stephen[9] [SC18], Palmer HS/Carolyn Derr: “Water evaporation”

## Senior High Engineering/Mathematics/C.S.

### First Place – Senior High Engineering/Mathematics/C.S.

- Parish, John[10] [SD9], Home School/Maureen Parish: “Where it wasn’t”
- Hahn, Ethan[11] [SD12], Classical Academy - North/Linda Cummings: “Design and construction of a silent magnetohydrodynamic propulsion system”

### Second Place – Senior High Engineering/Mathematics/C.S.

- Krause, Christopher[11] [SD7], The Classical Academy/Candus Muir: “Variograms forewarning disaster”

### Third Place – Senior High Engineering/Mathematics/C.S.

- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”

## Senior High Group Projects

### **First Place – Senior High Group Projects**

- Pavlenko, Tonya[10] & Gudvangen, Laura[10] [SF5], Palmer HS/Nancy Hampson: “The internal battle with melanoma: Triggering immune response using toll ligands”

### **Second Place – Senior High Group Projects**

- Muir II, Lorne[9] & Weeks, Nathan[9] [SF1], The Classical Academy/Candus Muir: “*Unavailable at press time*”

### **Third Place – Senior High Group Projects**

- Pelican, Hanna[10] & Zook, Forre[10] [SF7], Palmer HS/Nancy Hampson: “Resist the TEMPtation”

### **Fourth Place – Senior High Group Projects**

- Bowlin, Natalie[10] & Galletta, Olivia[10] [SF4], Palmer HS/Nancy Hampson: “Mother Nature’s antibiotics”

### **Fifth Place – Senior High Group Projects**

- Holt, Ryana[10] & Louie, Dana[10] [SF6], Palmer HS/Nancy Hampson: “And it’s downstream from there!”

# Junior Awards -- Eighth Grade

## 8th Grade Biological Science

### First Place – 8th Grade Biology

- Kolb, Chandler[8] [8A3], Challenger MS/Scott Grumann: “Am I working my horse too hard, or am I working my horse too little?”

### Second Place – 8th Grade Biology

- Smith, Kristen[8] [8A5], The Classical Academy/Candus Muir: “To eat, or not to eat”

### Third Place – 8th Grade Biology

- Weaver, William[8] [8A1], North MS/Greg Busby: “Eutrophication to death”

## 8th Grade Health & Behavioral Science

### First Place – 8th Grade Health & Behavioral Science

- Phelps, Taylor[8] [8B10], The Classical Academy/Candus Muir: “Now you see it, now you don’t”

### Second Place – 8th Grade Health & Behavioral Science

- Mediate, Quint[8] [8B9], The Classical Academy/Candus Muir: “*Unavailable at press time*”

### Third Place – 8th Grade Health & Behavioral Science

- Haughey, Hannah[8] [8B15], Russell MS/Suzanne Bowes: “Soda hates my guts”

### Fourth Place – 8th Grade Health & Behavioral Science

- Heier, Megan[8] [8B14], Russell MS/Lois Vavra: “Am i still spinning?”

### Fifth Place – 8th Grade Health & Behavioral Science

- Zimmermann, Bea[8] [8B6], North MS/Greg Busby: “Gum and better breath”

## **8th Grade Physical Sciences, Eng., Math., & C.S.**

### **First Place – 8th Grade Physical Sciences, Eng., Math., & C.S.**

- Weyer, Christopher[8] [8C8], Creekside MS/Tracy Matthews: ““Higher” performance pinewood racer”

### **Second Place – 8th Grade Physical Sciences, Eng., Math., & C.S.**

- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”

### **Third Place – 8th Grade Physical Sciences, Eng., Math., & C.S.**

- DeMeyer, Zachary[8] [8C5], The Classical Academy/Candus Muir: “Danger in the kitchen?”

### **Fourth Place – 8th Grade Physical Sciences, Eng., Math., & C.S.**

- Jackson, Dakota[8] [8C9], Russell MS/Suzanne Bowes: “Poo power”

### **Fifth Place – 8th Grade Physical Sciences, Eng., Math., & C.S.**

- Howard, Tanner[8] [8C4], North MS/Greg Busby: “Supercharged”

# Junior Awards -- Seventh Grade

## 7th Grade Biological Science

### First Place – 7th Grade Biology

- Matteson, Haley[7] [7A5], North MS/Erryn Tanner: “Hot plants; Effects of global warming on development of plants, blossoms, seeds & seed pods”

### Second Place – 7th Grade Biology

- Dewey, Madison[7] [7A3], North MS/Erryn Tanner: “Plastics: Friend or foe?”

### Third Place – 7th Grade Biology

- Carter, Dante[7] [7A1], North MS/Erryn Tanner: “Your kitchen cleaners might kill *e coli* but what else do they kill?”

### Fourth Place – 7th Grade Biology

- Barrett, Emma[7] [7A7], The Classical Academy/Julie Mintz: “For the birds!”

## 7th Grade Health & Behavioral Science

### First Place – 7th Grade Health & Behavioral Science

- Fallentine, Nick[7] [7B3], The Classical Academy/Candus Muir: “Gone in 30 seconds”

### Second Place – 7th Grade Health & Behavioral Science

- Pennington, Kathryn[7] [7B7], The Classical Academy/Candus Muir: “Visual interpretation and questionnaire could determine career choice”

### Third Place – 7th Grade Health & Behavioral Science

- Ray, Thomas[7] [7B2], Classical Academy - North/Candus Muir: “Got goggles?”

### Fourth Place – 7th Grade Health & Behavioral Science

- Landon, Rebecca[7] [7B8], Classical Academy - North/Candus Muir: “Dissolve your pain”

## 7th Grade Physical Science

### First Place – 7th Grade Physical Science

- Schneider, Sophia[7] [7C2], North MS/Erryn Tanner: “Neutralization investigation”

### Second Place – 7th Grade Physical Science

- Mike, Aidan[7] [7C1], North MS/Erryn Tanner: “Nitinol (Memory Masters)”

### Third Place – 7th Grade Physical Science

- Hoglin, Brianne[7] [7C14], The Classical Academy/Julie Mintz: “Reaching new heights”

### Fourth Place – 7th Grade Physical Science

- Brim, Kyle[7] [7C7], The Classical Academy/Candus Muir: “You’re fired!”
- Weber, Rachel[7] [7C10], Classical Academy - North/Candus Muir: “*Unavailable at press time*”

### Fifth Place – 7th Grade Physical Science

- Loftin, Nathan[7] [7C6], The Classical Academy/Candus Muir: “Take’em out”
- Weber, Sarah[7] [7C9], Classical Academy - North/Candus Muir: “*Unavailable at press time*”
- Keller, Hannah[7] [7C12], The Classical Academy/Julie Mintz: “Where will it float”
- Roitsch, Kaytlon[7] [7C16], The Classical Academy/Candus Muir: “Paint vs. fire”
- Pantle, Hannah[7] [7C26], The Classical Academy/Julie Mintz: “Batter up!”

## 7th Grade Engineering & Computer Science

### First Place – 7th Grade Engineering & Computer Science

- Feathers, Cellene[7] [7D20], The Classical Academy/Candus Muir: “Recharge and save”

### Second Place – 7th Grade Engineering & Computer Science

- Foster, Haley[7] [7D6], The Classical Academy/Julie Mintz: “Is green clean?”

### Third Place – 7th Grade Engineering & Computer Science

- Bushnell, Jordan[7] [7D10], Irving MS/Chris Smith: “Weathering’s degradation of anthropogenic formations in marble and granite”
- Tustin, Ryan[7] [7D22], The Classical Academy/Julie Mintz: “Waste not want not”

### Fourth Place – 7th Grade Engineering & Computer Science

- Weeks, Justin[7] [7D5], The Classical Academy/Candus Muir: “New and improved sting”
- Thayer, Shelby[7] [7D8], The Classical Academy/Candus Muir: “Heat or speed?”

### Fifth Place – 7th Grade Engineering & Computer Science

- Wilburn, Conner[7] [7D3], Classical Academy - North/Julie Mintz: “TimBurn!”
- Heier, Caitlin[7] [7D17], Russell MS/Lois Vavra: “It’s getting hot in here”
- Roche, Kara[7] [7D19], The Classical Academy/Candus Muir: “Dyeing to be red”

### First Place – 7th Grade Mathematics & Computer Science

- Purswell, Rachel[7] [7E3], The Classical Academy/Candus Muir: “Get a grip!”

### Second Place – 7th Grade Mathematics & Computer Science

- Ryd, Chandler[7] [7E14], The Classical Academy/Candus Muir: “AC/DC”

**Third Place – 7th Grade Mathematics & Computer Science**

- Sharples, Kohlby[7] [7E7], The Classical Academy/Julie Mintz: “Wireless interference”

**Fourth Place – 7th Grade Mathematics & Computer Science**

- Calabretta, Michael[7] [7E12], The Classical Academy/Julie Mintz: “All fall down”

**Fifth Place – 7th Grade Mathematics & Computer Science**

- Mancini, Jonathan[7] [7E5], Classical Academy - North/Julie Mintz: “Effects of expansive soil”

**Sixth Place – 7th Grade Mathematics & Computer Science**

- Jensen, Luke[7] [7E4], Classical Academy - North/Candus Muir: “*Unavailable at press time*”

# Junior Awards -- Sixth Grade

## 6th Grade Biological Science

### First Place – 6th Grade Biology

- Carrese, Dominic[6] [6A5], North MS/Greg Busby: “Give me oxygen!: The effects of wastewater treatment”

### Second Place – 6th Grade Biology

- Matteson, Sydney[6] [6A3], North MS/Greg Busby: “Heads or tails?: The effects of antibiotics in stream water on *planeria* regeneration”

### Third Place – 6th Grade Biology

- Evenson, Samantha[6] [6A8], Russell MS/Greg Little: “How the type of food effects the growth of the tadpoles.”

## 6th Grade Health & Behavioral Science

### First Place – 6th Grade Health & Behavioral Science

- Reece, Emma[6] [6B3], North MS/Greg Busby: “Visual, auditory, or kinesthetic?”

### Second Place – 6th Grade Health & Behavioral Science

- Walker, Dominic[6] [6B1], North MS/Erryn Tanner: “Are energy drinks good for you?”

### Third Place – 6th Grade Health & Behavioral Science

- Faulkner, Shelby[6] [6B2], North MS/Erryn Tanner: “Dogs gone bananas”

## 6th Grade Physical Science

### First Place – 6th Grade Physical Science

- Frantz, Emma[6] [6C1], North MS/Erryn Tanner: “How temperature affects the strength of magnets”

### Second Place – 6th Grade Physical Science

- Helfer, Maislinn[6] [6C3], North MS/Greg Busby: “Astroturf”

### Third Place – 6th Grade Physical Science

- Wilson, Bobby[6] [6C8], Edison MS/Rachel Kozhevnikova: “Carbonation explosion”

### Fourth Place – 6th Grade Physical Science

- Curnow, Beau[6] [6C6], Falcon MS/Lisa DeHoyos: “Marble roller coaster”

# Junior Awards -- Junior High Group

## Junior High Group Projects

### First Place – Junior High Group Projects

- Gudvangen, Allison[8] & Derr, Claire[8] [JF1], North MS/Greg Busby: “Deadzone”

### Second Place – Junior High Group Projects

- Lynch, Mia[8] & Morrison Pibel, Katie[8] [JF4], North MS/Greg Busby: “A spoon full of insulin helps the sugar go down”

### Third Place – Junior High Group Projects

- Miller, Rachel[8] & Becker, Alexis[8] [JF2], Evangelical Christian/Karen Leidecker: “Fun with fabrics”

### State Fair Invitation

# Special Awards

## **AFCEA Junior 1st**

- Ryd, Chandler[7] [7E14], The Classical Academy/Candus Muir: “AC/DC”

## **AFCEA Junior 2nd**

- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”

## **AFCEA Junior 3rd**

- Feathers, Cellene[7] [7D20], The Classical Academy/Candus Muir: “Recharge and save”

## **AFCEA Senior 1st**

- Parish, John[10] [SD9], Home School/Maureen Parish: “Where it wasn’t”

## **AFCEA Senior 2nd**

- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”

## **AFCEA Senior 3rd**

- Gaddipati, Ravi[9] [SD6], Discovery Canyon HS/Terrie Watts: “Improving efficiency of electromagnetic projectile accelerators”

## **American Association of University Women, Junior**

- Feathers, Cellene[7] [7D20], The Classical Academy/Candus Muir: “Recharge and save”

## **American Association of University Women, Senior**

- Graber, Molly[9] [SA3], Palmer HS/Martha Alvarez: “Manufactured monster: Antibiotic resistance in the water system of Colorado Springs”

## **American Meteorological Society**

- Kruse, Caleb[11] [SA22], Home School/Tami Kruse: “C the difference III: Quantifying the effects of ocean acidification on phytoplankton and calciferous algae”

## **American Psychological Association**

- Wilbee, Alana[10] [SB1], Palmer HS/Nancy Hampson: “Do you see what I see?”

## **American Society for Materials, International**

- Mike, Aidan[7] [7C1], North MS/Erryn Tanner: “Nitinol (Memory Masters)”

## **Association for Women Geoscientists**

- Bushnell, Jordan[7] [7D10], Irving MS/Chris Smith: “Weathering’s degradation of anthropogenic formations in marble and granite”

## **BSCS Senior - First Prize**

- April, Alexandra[10] [SA18], Coronado HS/Darin Smith: “Petri, petri on the wall, who’s the grossest of them all?”

## **BSCS Senior - Second Prize**

- Jasperse-Sjolander, Liam[9] [SA7], Palmer HS/Martha Alvarez: “A study of bacteriostatic agents”

## **BSCS Junior - First Prize**

- Hope-Goldman, Miette[7] [7A4], North MS/Erryn Tanner: “Grey water vs. tap water”

## **BSCS Junior - Second Prize**

- Kolb, Chandler[8] [8A3], Challenger MS/Scott Grumann: “Am I working my horse too hard, or am I working my horse too little?”

## **Citizen’s Project**

- Dodder, Spencer[7] [7A6], The Classical Academy/Candus Muir: “To wash or not to wash: That is the question”
- Mediate, Quint[8] [8B9], The Classical Academy/Candus Muir: “*Unavailable at press time*”
- Graber, Molly[9] [SA3], Palmer HS/Martha Alvarez: “Manufactured monster: Antibiotic resistance in the water system of Colorado Springs”

## **Colorado Associates in Medical Physics**

- DeMeyer, Zachary[8] [8C5], The Classical Academy/Candus Muir: “Danger in the kitchen?”

## **Colorado College Psychology**

- Fallentine, Nick[7] [7B3], The Classical Academy/Candus Muir: “Gone in 30 seconds”

## **Colorado Geological Survey**

- Gemignani, Mitch[7] [7D23], Russell MS/Lois Vavra: “Mass Wasting”
- Holt, Ryana[10] & Louie, Dana[10] [SF6], Palmer HS/Nancy Hampson: “And it’s downstream from there!”

## **Colorado Springs Mineralogical Society, First**

- Gemignani, Mitch[7] [7D23], Russell MS/Lois Vavra: “Mass Wasting”

## **Colorado Springs Mineralogical Society, Second**

- Bushnell, Jordan[7] [7D10], Irving MS/Chris Smith: “Weathering’s degradation of anthropogenic formations in marble and granite”

## **Colorado Springs Mineralogical Society, Third**

- Mancini, Jonathan[7] [7E5], Classical Academy - North/Julie Mintz: “Effects of expansive soil”

## **Comfort Zone Jr. High**

- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”

## **Comfort Zone Sr. High**

- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”

## **Criterion Bicycles**

- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”
- Tremmel, Laura[9] [SA12], Palmer HS/Carolyn Derr: “Compost this”

## **Discovery Education / 3M**

- Matteson, Sydney[6] [6A3], North MS/Greg Busby: “Heads or tails?: The effects of antibiotics in stream water on *planeria* regeneration”
- Faulkner, Shelby[6] [6B2], North MS/Erryn Tanner: “Dogs gone bananas”
- Matteson, Haley[7] [7A5], North MS/Erryn Tanner: “Hot plants; Effects of global warming on development of plants, blossoms, seeds & seed pods”
- Fallentine, Nick[7] [7B3], The Classical Academy/Candus Muir: “Gone in 30 seconds”
- Southcott, Matt[7] [7B10], Russell MS/Lois Vavra: “Battle of the sexes multitasking”
- Schubert, Marika[7] [7B11], Russell MS/Regina Miller: “Fear, who’s got it?”
- Weeks, Justin[7] [7D5], The Classical Academy/Candus Muir: “New and improved sting”
- Purswell, Rachel[7] [7E3], The Classical Academy/Candus Muir: “Get a grip!”

- Grissom, Emily[8] [8B1], Evangelical Christian/Karen Leidecker: “Diabetes: The mystery of testing”
- Jacobs, Lerae[8] [8C2], Peyton MS/Jenni Esser: “No pressure”

### **Estes Industries**

- Frantz, Emma[6] [6C1], North MS/Erryn Tanner: “How temperature affects the strength of magnets”
- Laird, Thomas[9] [SC14], Palmer HS/Carolyn Derr: “Fuel cells: The engine replacement?”

### **Fargo Pizza**

- Loftin, Nathan[7] [7C6], The Classical Academy/Candus Muir: “Take’em out”
- Hinkle, Ellie[9] [SB23], Palmer HS/Carolyn Derr: “You booze it, you lose it”

### **I-SWEEP**

- Johnson, Rachel[10] [SC1], Home School/Becky Johnson: “Residual heat for oven’s optimal energy efficiency”

### **I-SWEEP**

- Feathers, Cellene[7] [7D20], The Classical Academy/Candus Muir: “Recharge and save”
- Mata-Lovato, Dylan[9] & Kostadinov, Simeon[9] [SF12], Palmer HS/Carolyn Derr: “The age of recycling”

### **Intel Corp. Excellence in Computer Science**

- Krause, Christopher[11] [SD7], The Classical Academy/Candus Muir: “Variograms forewarning disaster”

### **Memorial Hospital Laboratory**

- Carter, Dante[7] [7A1], North MS/Erryn Tanner: “Your kitchen cleaners might kill *e coli* but what else do they kill?”
- Lyle, Savannah[8] [8A2], North MS/Greg Busby: “Vitamin C: A potential treatment for cold sores?”
- Dewey, Ryan[10] [SA4], Palmer HS/Nancy Hampson: “Copper catalysts”
- Bowlin, Natalie[10] & Galletta, Olivia[10] [SF4], Palmer HS/Nancy Hampson: “Mother Nature’s antibiotics”

### **Mu Alpha Theta**

- Mobley, Jonathan[9] [SC15], Palmer HS/Carolyn Derr: “Speed of light”

### **National Oceanic and Atmospheric Administration**

- Bushnell, Jordan[7] [7D10], Irving MS/Chris Smith: “Weathering’s degradation of anthropogenic formations in marble and granite”

### **National Society of Professional Engineers**

- Parish, John[10] [SD9], Home School/Maureen Parish: “Where it wasn’t”

### **Old Town Bike Shop**

- Tremmel, Laura[9] [SA12], Palmer HS/Carolyn Derr: “Compost this”

### **Pikes Peak Peace and Justice Commission**

- Walker-Langman, Shelby[9] & Helin, Tisha[9] [SF17], Palmer HS/Martha Alvarez: “The attraction is the reaction in fractions”

### **Psych Soc of the Pikes Peak Region Senior First Place**

- Michel, Abigail[9] [SB15], Coronado HS/Lynne Williams: “Teenage health”

### **Psych Soc of the Pikes Peak Region Senior Second Place**

- Hinkle, Ellie[9] [SB23], Palmer HS/Carolyn Derr: “You booze it, you lose it”

## **Psych Soc of the Pikes Peak Region Junior First Place**

- Schubert, Marika[7] [7B11], Russell MS/Regina Miller: “Fear, who’s got it?”

## **Psych Soc of the Pikes Peak Region Junior Second Place**

- Reuter, Michaela[7] [7B6], Classical Academy - North/Candus Muir: “Stretching the truth”

## **Ricoh**

- Thayer, Shelby[7] [7D8], The Classical Academy/Candus Muir: “Heat or speed?”

## **Society for In-Vitro Biology**

- McIntyre, Cameron[9] [SA14], Palmer HS/Carolyn Derr: “Delaying fruit ripening at home”

## **Society of Women Engineers Jr. Division**

- Purswell, Rachel[7] [7E3], The Classical Academy/Candus Muir: “Get a grip!”

## **Society of Women Engineers Sr. Division**

- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”

## **Soil and Water Conservation Society**

- Matteson, Haley[7] [7A5], North MS/Erryn Tanner: “Hot plants; Effects of global warming on development of plants, blossoms, seeds & seed pods”
- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”
- Barrett, Layne[9] [SD1], The Classical Academy/Candus Muir: “*Unavailable at press time*”
- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”

## **Stockholm Water Prize**

- Graber, Molly[9] [SA3], Palmer HS/Martha Alvarez: “Manufactured monster: Antibiotic resistance in the water system of Colorado Springs”
- Liposky, Emma[10] [SC17], Palmer HS/Nancy Hampson: “Naturally distilling water”
- Kirkpatrick, Ashleigh[10] [SD4], Palmer HS/Nancy Hampson: “Water desalination”

## **Ted’s Bike Shop**

- Jacobs, Kyle[7] [7E6], The Classical Academy/Julie Mintz: “Fuel cells fueling the future”

## **U. S. Air Force**

- Bukowski, Michael[6] [6C10], Divine Redeemer Cath. Sch./Jeff Klassen: “Can a boat float in mid-air?”
- Calabretta, Michael[7] [7E12], The Classical Academy/Julie Mintz: “All fall down”
- Volz, Sara[8] [8C6], Cheyenne Mountain Ch. Acad./David Volz: “Making biodiesel more environmentally viable”
- Barrett, Layne[9] [SD1], The Classical Academy/Candus Muir: “*Unavailable at press time*”

## **U. S. Army Award Certificate**

- Liposky, Emma[10] [SC17], Palmer HS/Nancy Hampson: “Naturally distilling water”
- Gaddipati, Ravi[9] [SD6], Discovery Canyon HS/Terrie Watts: “Improving efficiency of electromagnetic projectile accelerators”
- Krause, Christopher[11] [SD7], The Classical Academy/Candus Muir: “Variograms forewarning disaster”
- Parish, John[10] [SD9], Home School/Maureen Parish: “Where it wasn’t”

## **U. S. Dept. of Health and Human Services Outstanding Certificate**

- Besaha, Sophia[9] [SA16], Palmer HS/Martha Alvarez: “Ouch!: Are horseshoes necessary?”

## **U. S. Metric Association Certificate of Achievement**

- Townsend, Jordan[9] [SB16], Coronado HS/Caleb Muth: “Who needs water when we have all this plastic?”

## **U. S. Navy & Marines**

- Laird, Thomas[9] [SC14], Palmer HS/Carolyn Derr: “Fuel cells: The engine replacement?”
- Helfer, Abbi[9] [SD3], Palmer HS/Carolyn Derr: “Solar power”
- Kirkpatrick, Ashleigh[10] [SD4], Palmer HS/Nancy Hampson: “Water desalination”
- Hahn, Ethan[11] [SD12], Classical Academy - North/Linda Cummings: “Design and construction of a silent magnetohydrodynamic propulsion system”

## **Water Environment Federation**

- Graber, Molly[9] [SA3], Palmer HS/Martha Alvarez: “Manufactured monster: Antibiotic resistance in the water system of Colorado Springs”
- Liposky, Emma[10] [SC17], Palmer HS/Nancy Hampson: “Naturally distilling water”
- Kirkpatrick, Ashleigh[10] [SD4], Palmer HS/Nancy Hampson: “Water desalination”

## **Western Museum of Mining and Industry - Sr. Division**

- Liposky, Emma[10] [SC17], Palmer HS/Nancy Hampson: “Naturally distilling water”

## **Western Museum of Mining and Industry - Jr. Division**

- Tustin, Ryan[7] [7D22], The Classical Academy/Julie Mintz: “Waste not want not”

## **Yale Science & Engineering Association**

- Racioppo, Peter[11] & Kim, Daewoong[11] & Nguyen, Linda[11] [SF27], Fountain-Fort Carson HS/Colleen Barry: “Analysis of numerical ordering in males and females”