

Pikes Peak Regional Science Fair 2020 Final Results

Grand Awards

International Science Fair Invitation

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”
- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”
- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Senior Division Grand Award

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

Senior Division Grand Award Runner Up

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Junior Division Grand Award

- Kai Morton[8] [JD2], The Classical Academy/Candus Muir: “Chemical problem? Chemical solution”

Junior Division Grand Award Runner Up

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”

Senior Division People’s Choice

- Xander Duvall[9] [SD4], Thomas MacLaren School/Tanya Duvall: “Analysis of neutral hydrogen radio emissions in the Milky Way galactic plane”

Junior Division People’s Choice

- Tatum Duvall[6] [JC4], Thomas MacLaren School/Tanya Duvall: “A study on the prevalence of *salmonella* in the saliva of Vizsla dogs fed raw vs.cooked diet”

Senior Awards

Sr. Medicine, Health, Social, Behavioral Sci.

First Place – Sr. Medicine, Health, Social, Behavioral Sci.

- Ethan Gavin[9] [SA2], The Classical Academy/Candus Muir: “Analyzing the effects of micro-sleeps on reaction-time in adolescent brains in correlation with sleep”

Second Place – Sr. Medicine, Health, Social, Behavioral Sci.

- Hudson Kruse[9] [SA6], Schullandheim/Tami Kruse: “Searching for blunders: Discovering the relative factors which influence faulty thought process in chess”

Sr. Biochem & Chemistry

First Place – Sr. Biochem & Chemistry

- Ana Barovic[12] [SB6], Colorado Springs Early Colleges/Kristin Rowan: “The effect of light on black tea using TLC”

Second Place – Sr. Biochem & Chemistry

- Kate Kaczmarek[10] [SB2], The Classical Academy/Candus Muir: “The effect of organism based calcium carbonate on ocean acidification”

Sr. Plant Sciences

First Place – Sr. Plant Sciences

- Meghan Enright[9] [SC5], The Classical Academy/Candus Muir: “The effect of different mediums on a vegetatively propagated *aloe vera* plant”

Second Place – Sr. Plant Sciences

- Gabriel Ellias[11] [SC1], Cheyenne Mountain High School/Janie Mueller: “Ozonated water’s effect on *Bacillus cereus* on soybeans”

Sr. Physical Sciences

First Place – Sr. Physical Sciences

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

Second Place – Sr. Physical Sciences

- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”

Sr. Environmental Sciences

First Place – Sr. Environmental Sciences

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Second Place – Sr. Environmental Sciences

- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”

Junior Awards

Jr. Environmental Science

First Place – Jr. Environmental Science

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”

Second Place – Jr. Environmental Science

- Samantha Schaefer[8] [JA2], The Classical Academy/Candus Muir: “Cactus, tree, or flower . . . Who has more power?”

Jr. Biochemistry & Chemistry

First Place – Jr. Biochemistry & Chemistry

- Kevin Lester[8] [JB5], The Classical Academy/Candus Muir: “Cookie Monster got a DUI?!”

Second Place – Jr. Biochemistry & Chemistry

- Josefina Leonard[7] [JB4], Classical Conversations/James Leonard: “In cloth alone”

Jr. Medicine, Health, Microbio, Soc./Behavioral

First Place – Jr. Medicine, Health, Microbio, Soc./Behavioral

- Daniel Strevett[8] [JC3], The Classical Academy/Candus Muir: “An analysis of the effect of varied tooth disinfectants on *streptococcus mutans*”

Second Place – Jr. Medicine, Health, Microbio, Soc./Behavioral

- Tatum Duvall[6] [JC4], Thomas MacLaren School/Tanya Duvall: “A study on the prevalence of *salmonella* in the saliva of Vizsla dogs fed raw vs.cooked diet”

Third Place – Jr. Medicine, Health, Microbio, Soc./Behavioral

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”

Jr. Energy, Transportation, Eng., Physics

First Place – Jr. Energy, Transportation, Eng., Physics

- Kai Morton[8] [JD2], The Classical Academy/Candus Muir: “Chemical problem? Chemical solution”

Second Place – Jr. Energy, Transportation, Eng., Physics

- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”

Third Place – Jr. Energy, Transportation, Eng., Physics

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

State Fair

State Fair Invitations

State Fair Invitation

- Samantha Schaefer[8] [JA2], The Classical Academy/Candus Muir: “Cactus, tree, or flower . . . Who has more power?”
- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”
- Naomi Kruse[6] [JA4], Schullandheim/Tami Kruse: “I speak for the trees: Tree-ring analysis of *pinus ponderosa* to learn local climate history”
- Josefina Leonard[7] [JB4], Classical Conversations/James Leonard: “In cloth alone”
- Kevin Lester[8] [JB5], The Classical Academy/Candus Muir: “Cookie Monster got a DUI?!”
- Daniel Strevett[8] [JC3], The Classical Academy/Candus Muir: “An analysis of the effect of varied tooth disinfectants on *streptococcus mutans*”
- Tatum Duvall[6] [JC4], Thomas MacLaren School/Tanya Duvall: “A study on the prevalence of *salmonella* in the saliva of Vizsla dogs fed raw vs.cooked diet”
- Tori Plett[8] [JC5], The Classical Academy/Candus Muir: “Dinner’s on me”
- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”
- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”
- Kai Morton[8] [JD2], The Classical Academy/Candus Muir: “Chemical problem? Chemical solution”
- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”
- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”
- Ethan Gavin[9] [SA2], The Classical Academy/Candus Muir: “Analyzing the effects of micro-sleeps on reaction-time in adolescent brains in correlation with sleep”
- Tyler Gregg[10] [SA3], Miami Yoder Secondary School/Angela Grimes: “*Bos taurus* protein meat deterioration (frozen vs refrigerated)”
- Hudson Kruse[9] [SA6], Schullandheim/Tami Kruse: “Searching for blunders: Discovering the relative factors which influence faulty thought process in chess”
- Ben Homan[9] [SB1], Palmer Ridge High School/Paul Homan: “A thermogravimetric analysis of carbon dioxide absorption by polyethyleneimine”
- Kate Kaczmarek[10] [SB2], The Classical Academy/Candus Muir: “The effect of organism based calcium carbonate on ocean acidification”
- Ana Barovic[12] [SB6], Colorado Springs Early Colleges/Kristin Rowan: “The effect of light on black tea using TLC”
- Gabriel Ellias[11] [SC1], Cheyenne Mountain High School/Janie Mueller: “Ozonated water’s effect on *Bacillus cereus* on soybeans”
- Meghan Enright[9] [SC5], The Classical Academy/Candus Muir: “The effect of different mediums on a vegetatively propagated *aloe vera* plant”

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”
- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”
- Katelyn McAvoy[11] [SE1], The Vanguard School/Cheryl Holling: “The effects of oil spills on the shoreline population of *artemia*”
- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”
- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Special Awards

AFCEA Junior 1st

- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”

AFCEA Junior 2nd

- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”

AFCEA Junior 3rd

- Naomi Kruse[6] [JA4], Schullandheim/Tami Kruse: “I speak for the trees: Tree-ring analysis of *pinus ponderosa* to learn local climate history”

AFCEA Senior 1st

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

AFCEA Senior 2nd

- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”

AFCEA Senior 3rd

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

AFCEA Teacher Junior

- Candus Muir, The Classical Academy

AFCEA Teacher Senior

- Mr. Delagato, The Classical Academy

American Association of University Women, Junior

- Ava Connelly[8] [JC1], Monument Academy/Karl Brown: “Electricity free emergency”

American Association of University Women, Senior

- Kimberly Johns[10] [SE5], Miami Yoder Secondary School/Angela Grimes: “Phosphate concentration change in the Colorado Arkansas River – 209 mile human impact study”

American Meteorological Society

- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”
- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

American Psychological Association

- Coletta Marie Homick-Montiel[8] [JC7], Home School/Enrique Montiel: “Controlled multi-modal neuro stimulation produces precessional synergetic power over simple stimulation”

American Society for Materials Educational Foundation

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

American Statistical Association, Jr.

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”

American Statistical Association, Sr.

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Ascension Engineering Group Honorable Mention

- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”

Ascension Engineering Group Junior First

- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”

Ascension Engineering Group Junior Second

- Kai Morton[8] [JD2], The Classical Academy/Candus Muir: “Chemical problem? Chemical solution”

Ascension Engineering Group Senior First

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

Ascension Engineering Group Senior Second

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Association for Women Geoscientists

- Naomi Kruse[6] [JA4], Schullandheim/Tami Kruse: “I speak for the trees: Tree-ring analysis of *pinus ponderosa* to learn local climate history”

BSCS Junior Award

- Kate Glover[6] [JB1], Bear Creek Elementary School/Valerie DeLello: “Interactions of student lunch foods with common beverages”

Broadcom MASTERS

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”
- Kevin Lester[8] [JB5], The Classical Academy/Candus Muir: “Cookie Monster got a DUI?!”
- Daniel Strevett[8] [JC3], The Classical Academy/Candus Muir: “An analysis of the effect of varied tooth disinfectants on *streptococcus mutans*”
- Kai Morton[8] [JD2], The Classical Academy/Candus Muir: “Chemical problem? Chemical solution”

COOL Science

- Kevin Lester[8] [JB5], The Classical Academy/Candus Muir: “Cookie Monster got a DUI?!”
- Phoenix Doyle[7] [JD7], North Middle School/Andrew Groth: “Electromagnetism”

Citizens Project

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”
- Gryphon Patlin[10] & Zakery Snider[10] [SD2], The Classical Academy/Candus Muir: “A device to digitally assist and enhance perception”

Colorado Associates in Medical Physics, Jr.

- Ana Barovic[12] [SB6], Colorado Springs Early Colleges/Kristin Rowan: “The effect of light on black tea using TLC”

Colorado Association of Science Teachers Teacher Award

- Andrew Groth, North Middle School

Colorado Chapter of the Soil and Water Conservation Society, Junior 1st

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”

Colorado Chapter of the Soil and Water Conservation Society, Junior 2nd

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

Colorado Chapter of the Soil and Water Conservation Society, Senior 1st

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Colorado Chapter of the Soil and Water Conservation Society, Senior 2nd

- Katelyn McAvoy[11] [SE1], The Vanguard School/Cheryl Holling: “The effects of oil spills on the shoreline population of *artemia*”

Colorado College Excellence in Community and Social Justice First

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”

Colorado College Excellence in Community and Social Justice Second

- Kate Glover[6] [JB1], Bear Creek Elementary School/Valerie DeLello: “Interactions of student lunch foods with common beverages”

Colorado College Excellence in Field-Based Research First

- Kimberly Johns[10] [SE5], Miami Yoder Secondary School/Angela Grimes: “Phosphate concentration change in the Colorado Arkansas River – 209 mile human impact study”

Colorado College Excellence in Field-Based Research Second

- Tori Plett[8] [JC5], The Classical Academy/Candus Muir: “Dinner’s on me”

Colorado College Excellence in Rocky Mountain Regional Research First

- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”

Colorado College Excellence in Rocky Mountain Regional Research Second

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Colorado College Excellence in Sustainability and Conservation First

- Jesus Gil[10] [SB5], Miami Yoder Secondary School/Angela Grimes: “Durability of casein plastic”

Colorado College Excellence in Sustainability and Conservation Second

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

Deep Space Exploration Society Jr. Division

- Naomi Kruse[6] [JA4], Schullandheim/Tami Kruse: “I speak for the trees: Tree-ring analysis of *pinus ponderosa* to learn local climate history”

Deep Space Exploration Society Jr. Division Honorable Mention

- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”

Deep Space Exploration Society Sr. Division

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Deep Space Exploration Society Sr. Division Honorable Mention

- Xander Duvall[9] [SD4], Thomas MacLaren School/Tanya Duvall: “Analysis of neutral hydrogen radio emissions in the Milky Way galactic plane”

Department of Defense STEM Leadership Prize

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

Duvall Family Curiosity Award

- Naomi Kruse[6] [JA4], Schullandheim/Tami Kruse: “I speak for the trees: Tree-ring analysis of *pinus ponderosa* to learn local climate history”

Flagline.com Young Scientist, Junior 1st Place

- Cameron Wolkow[6] [JA1], North Middle School/Andrew Groth: “Do green house gases affect temperature?”

Flagline.com Young Scientist, Junior 2nd Place

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

Flagline.com Young Scientist, Senior 1st Place

- Marijane Daniel[12] & Savana Torchalla[12] [SC2], Palmer High School/Martha Alvarez: “Towers of green”

Flagline.com Young Scientist, Senior 2nd Place

- Jose Martos[10] [SA4], Miami Yoder Secondary School/Angela Grimes: “Which meat will refrigerate with the lowest bacterial growth”

Gates Corporation Junior Division

- Phoenix Doyle[7] [JD7], North Middle School/Andrew Groth: “Electromagnetism”

Gates Corporation Senior Division

- Jesus Gil[10] [SB5], Miami Yoder Secondary School/Angela Grimes: “Durability of casein plastic”

Georgia & Charlie Matteson Award, Junior

- Ezra Voth[8] [JA3], The Classical Academy/Candus Muir: “Measuring water flow through specific placements of rocks on varying inclinations to reduce soil attrition”

Georgia & Charlie Matteson Award, Senior

- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”

Lemelson Early Inventor Prize

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”

Mu Alpha Theta

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

NASA EARTH System Science Award

- Xander Duvall[9] [SD4], Thomas MacLaren School/Tanya Duvall: “Analysis of neutral hydrogen radio emissions in the Milky Way galactic plane”

NOAA Award

- Kate Kaczmarek[10] [SB2], The Classical Academy/Candus Muir: “The effect of organism based calcium carbonate on ocean acidification”

National Defense Industrial Association, 6th First

- Tatum Duvall[6] [JC4], Thomas MacLaren School/Tanya Duvall: “A study on the prevalence of *salmonella* in the saliva of Vizsla dogs fed raw vs.cooked diet”

National Defense Industrial Association, 6th Second

- Sawyer Nelson[6] [JB3], Bear Creek Elementary School/Valerie DeLello: “Molecular gastronomy & the spherification of food”

National Defense Industrial Association, 7th First

- Josefina Leonard[7] [JB4], Classical Conversations/James Leonard: “In cloth alone”

National Defense Industrial Association, 7th Second

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

National Defense Industrial Association, 8th First

- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”

National Defense Industrial Association, 8th Second

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”

Northrop Grumman Special Awards in Science and Engineering (Jr. Div.)

- Coletta Marie Homick-Montiel[8] [JC7], Home School/Enrique Montiel: “Controlled multi-modal neuro stimulation produces precessional synergetic power over simple stimulation”
- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”
- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”
- Phoenix Doyle[7] [JD7], North Middle School/Andrew Groth: “Electromagnetism”

Northrop Grumman Special Awards in Science and Engineering (Sr. Div.)

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”
- Connor Takenaka[9] [SD3], The Classical Academy/Candus Muir: “Wi-Fi: Wall or door?”
- Xander Duvall[9] [SD4], Thomas MacLaren School/Tanya Duvall: “Analysis of neutral hydrogen radio emissions in the Milky Way galactic plane”

Old Town Bike Shop

- Samantha Schaefer[8] [JA2], The Classical Academy/Candus Muir: “Cactus, tree, or flower . . . Who has more power?”
- McKenzie Akerlund[10] & Mikenna Leupp[10] [SE4], Miami Yoder Secondary School/Angela Grimes: “The effects of variable acid rain compositions on the domestic *viola hortensis*”
- Kimberly Johns[10] [SE5], Miami Yoder Secondary School/Angela Grimes: “Phosphate concentration change in the Colorado Arkansas River – 209 mile human impact study”

Patent & Trademark Office Society

- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”
- Aditya Gonella[8] [JD3], Discovery Canyon Middle School/Rama Gonella: “A hiker’s third eye”
- Pearl Soundron[10] [SB3], Home School/Sarah Soundron: “Let it glow”
- Jesus Gil[10] [SB5], Miami Yoder Secondary School/Angela Grimes: “Durability of casein plastic”

Patent & Trademark Office Society Grand Award

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

Pikes Peak Justice and Peace Commission

- Ben Homan[9] [SB1], Palmer Ridge High School/Paul Homan: “A thermogravimetric analysis of carbon dioxide absorption by polyethyleneimine”
- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”

Ricoh Americas

- Samantha Schaefer[8] [JA2], The Classical Academy/Candus Muir: “Cactus, tree, or flower . . . Who has more power?”

Society for In-Vitro Biology

- Tyler Gregg[10] [SA3], Miami Yoder Secondary School/Angela Grimes: “*Bos taurus* protein meat deterioration (frozen vs refrigerated)”

Society of Women Engineers Jr. Division

- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”

Society of Women Engineers Sr. Division

- Katelyn McAvoy[11] [SE1], The Vanguard School/Cheryl Holling: “The effects of oil spills on the shoreline population of *artemia*”

U. S. Agency for International Development

- Alden Kruse[11] [SE2], Schullandheim/Tami Kruse: “Creating a hyperlocal climate record of Black Forest”

U. S. Air Force, 6th

- Sawyer Nelson[6] [JB3], Bear Creek Elementary School/Valerie DeLello: “Molecular gastronomy & the spherification of food”

U. S. Air Force, 7th

- Shrey Rohilla[7] [JD5], The Classical Academy/Candus Muir: “Get winded!”

U. S. Air Force, 8th

- Geo Raguraman[8] [JC8], Discovery Canyon Middle School/Beulah Aloysius: “RUN for your LIFE”

U. S. Air Force, Sr.

- Steven Lewis[10] [SD1], Pine Creek High School/Stephen Errickson: “Cybersecurity engineering for aircraft”

U. S. Metric Association Certificate of Achievement

- Axton Hiltion[10] [SD5], Miami Yoder Secondary School/Angela Grimes: “Mitigating the cost of expensive solar repair by shielding environmental effects”

U. S. Navy Science Award, Jr.

- Josefina Leonard[7] [JB4], Classical Conversations/James Leonard: “In cloth alone”
- Sara Wilson[8] [JD1], The Classical Academy/Candus Muir: “Mind your message”

U. S. Navy Science Award, Sr.

- Ethan Gavin[9] [SA2], The Classical Academy/Candus Muir: “Analyzing the effects of micro-sleeps on reaction-time in adolescent brains in correlation with sleep”
- Katelyn McAvoy[11] [SE1], The Vanguard School/Cheryl Holling: “The effects of oil spills on the shoreline population of *artemia*”

U. S. Stockholm Water Prize

- Katelyn McAvoy[11] [SE1], The Vanguard School/Cheryl Holling: “The effects of oil spills on the shoreline population of *artemia*”
- Michael Velasco[10] [SE3], Miami Yoder Secondary School/Angela Grimes: “Acid rain effects on cloud formation”
- Kimberly Johns[10] [SE5], Miami Yoder Secondary School/Angela Grimes: “Phosphate concentration change in the Colorado Arkansas River – 209 mile human impact study”

UCCS Dept. of Chemistry & Biochemistry

- Ana Barovic[12] [SB6], Colorado Springs Early Colleges/Kristin Rowan: “The effect of light on black tea using TLC”

Yale Science & Engineering Association

- Kathryn Kummel[11] [SE6], Palmer High School/Reed Carlson: “Investigating the urban heat island phenomenon through modeling, satellite data, and on-site measurements”