

2014 New Mexico State Science and Engineering Fair Winners

Senior Division Physical Sciences Grand Award

All-expenses paid trip to the International Science and Engineering Fair in Los Angeles, CA, where they are eligible to compete as exhibitors

Sven Jandura, Los Alamos High School

Coleman J Kendrick, Los Alamos High School

Edward Park, Las Cruces High School

William R Sidley-Parker, Los Alamos High School

Jovan Y Zhang, Los Alamos High School

Senior Division Life Sciences Grand Award

All-expenses paid trip to the International Science and Engineering Fair in Los Angeles, CA, where they are eligible to compete as exhibitors

Eli J Echt-Wilson, La Cueva High School

Jeongmin Lee, Las Cruces High School

Michael P Randall, Mayfield High School

Albert N Zuo, La Cueva High School

Junior Division Physical Sciences Grand Award

A graphing calculator; a \$100 cash award; and headphones

Zachary R Fitzgerald, Albq. Institute for Math and Science

Junior Division Life Sciences Grand Award

A graphing calculator; a \$100 cash award; and headphones

Lien T Tang, Eisenhower Middle School

SR Zoology

First Place

Priscilla R Martinez, Taos High School

Second Place

Angela A Jones, Taos High School

Third Place

Emma K Apodoca, Amy Biehl Charter High School

Honorable Mention

Brett T McMahon, AIMES@UNM

Hannah R Streams, Silver High School

Chantelle L Yazzie, Navajo Preparatory School Inc

SR Physics & Astronomy

First Place

Coleman J Kendrick, Los Alamos High School

Second Place

Chloe M Keilers, Los Alamos High School

Third Place

Aydan Sparks, St. Pius X High School

Honorable Mention

Tara L Maestas, AIMES@UNM

Curtis K Segarra, AIMES@UNM

SR Microbiology

First Place

Michael P Randall, Mayfield High School

Second Place

Andrea G Chin Lopez, Taos High School

Third Place

Sarah R Dallo, Albq. School of Excellence

Honorable Mention

Esteban L Abeyta, Los Alamos High School

Levi J Myler, Piedra Vista High School

Ashvini R Vaidya, Los Alamos High School

SR Medicine & Health Sciences

First Place

Jeongmin Lee, Las Cruces High School

Second Place

Devon M Conradson, Los Alamos High School

Third Place

Abdullah A Shah, Salam Academy

Honorable Mention

Julie A Giannini, St. Pius X High School

Jonah J Ng, Las Cruces High School

Valerie Perea, St. Pius X High School

Howard A Pope, Rio Rancho High School

SR Mathematical Sciences

First Place

Yoni Xiong, Carlsbad High School

Second Place

Khalid Z Khweis, Taos High School

Third Place

Natalie J Avitia, Grants High School

Honorable Mention

Alyssa R Whiterock, Navajo Preparatory School

Jimena Chavez, Deming High School

Kassandra Segura, Deming High School

Emily S Hunt, Kirtland Central High School

SR Environmental Sciences

First Place

Jarek V Kwiecinski, Albq. Institute for Math and Science

Second Place

Jacqueline D Baros, St. Pius X High School

Third Place

Hanna M Harper, Rio Rancho High School

Honorable Mention

Tyler J Monzingo, Silver High School

Jasmine Padilla, Grants High School

Sinea C Runnels, Silver High School

SR Engineering

First Place

Chloe B Grubb, School of Dreams Academy

Second Place

Vlad Sevostianov, Las Cruces High School

Third Place

Matthew T Miller, Rio Grande Enrichment Studies & Home School

Honorable Mention

Julia A Johnson, Taos High School

Josh S Ludwigsen, Eldorado High School

Mary C Spanjers, East Mountain High School

SR Energy & Transportation

First Place

Edward Park, Las Cruces High School

Second Place

Jon T Goodart, Grants High School

Third Place

Kathryn M Harris, Rio Rancho High School

Honorable Mention

Nathan D Graham, Cleveland High School

Benjamin F Hammel, Albuquerque High School

Lucas S Lopez, Cleveland High School

SR Earth & Planetary Sciences

First Place

David P Murphy, Los Alamos High School

Second Place

Chase L Kicker, Carlsbad High School

Honorable Mention

Shelby J Gonzales, Grants High School

Charli R Kennedy, Jefferson Montessori Academy

SR Computer Science

First Place

Sven Jandura, Los Alamos High School

William R Sidley-Parker, Los Alamos High School

Jovan Y Zhang, Los Alamos High School

Second Place

Amos J Gray, Taos Cyber Magnet High School

Third Place

Ahmed R Muhyi, Arrowhead Park Early College High School

Honorable Mention

Marcus L Dominguez-Kuhne, Albuquerque Academy

Danielle A Garcia, School of Dreams Academy

Trevor G Kann, Albuquerque Academy

Josh H Konopka, Albuquerque Academy
J. Antonio Perez, Albuquerque Academy
Enyda Ramos, School of Dreams Academy

SR Chemistry

First Place

Ethan D Cooper, Grants High School

Second Place

Anthony J Archuleta, Taos High School

Third Place

Tyler J Johnson, Roy Municipal School

Honorable Mention

Meghan L Hill, Monte Del Sol Charter School

SR Botany

First Place

Eli J Echt-Wilson, La Cueva High School
Albert N Zuo, La Cueva High School

Second Place

James M Valerio, Taos High School

Third Place

Celia J Flicker, AIMES@UNM

Honorable Mention

Catherine A Chavez, Los Lunas High School
Carlos R Rios, Roy Municipal School

SR Behavioral & Social Sciences

First Place

LynnMarie A Jarratt, Los Lunas High School

Second Place

Victoria M Troyer, School of Dreams Academy

Third Place

Hiba R Muhyi, Arrowhead Park Early College High School

Honorable Mention

Lea M Godret-Miertschin, Nex Gen Academy

Marwa K Kassem, Albq. Institute for Math and Science

Delvecchio K Wilson, Navajo Preparatory School Inc

JR Zoology

First Place

Maria G Fanelli, Aspen Elementary School

Second Place

Miguel Angel M Aragon, Taos Middle School

Third Place

Sean O Collins, St. Teresa of Avila School

Honorable Mention

Natalie M Gannon, Jefferson Middle School

JR Physics & Astronomy

First Place

Skyler S. Hughes, Albq. School of Excellence

Second Place

Liam Ryan, Cottonwood Valley Charter School

Third Place

Kathryn P Herrmann, Barranca Mesa Elementary School

Honorable Mention

Mykala M Chavez, Gattis Middle School

Daniel A Fryer, Mountain Elementary School

Bradley S Pianka, Roosevelt Middle School

JR Microbiology

First Place

Zach R Ginn, Taos Middle School

Second Place

Bryn L Romig, Jefferson Middle School

Third Place

Corrina J Klein, Roosevelt Middle School

Honorable Mention

Amaya Coblentz, Aspen Elementary School

JR Medicine & Health Sciences

First Place

Lien T Tang, Eisenhower Middle School

Second Place

Tyler J Overberger, Roy Municipal School

Third Place

Tazler Q Smith, Los Alamos Middle School

Honorable Mention

Juliana M Luna, Sierra Middle School

Devin M Padilla, St. Teresa of Avila School

Kristin M Strosnider, St. Thomas Aquinas School

JR Mathematical Sciences

First Place

Mike C Adams, Grant Middle School

Second Place

Neelima G Prasad, Los Alamos Middle School

Third Place

Samantha A Martinez, PR Leyva Middle School

JR Environmental Sciences

First Place

Athena L Dunleavy, Taos Charter School

Second Place

Delaney E Galligan, Taos Middle School

Third Place

Bobby EJ Isbell, Isabell Family Home School

Honorable Mention

Lauren K Burckel, Jefferson Middle School

Joel DuBois, Sierra Middle School

Sean D McNally, Heights Middle School

JR Engineering

First Place

Zachary R Fitzgerald, Albq. Institute for Math and Science

Second Place

Russel (Rusty) W Ludwigsen, Desert Willow Family School

Third Place

Daniel J Hund, Albq. School of Excellence

Honorable Mention

Neils W Hancock, St. Charles Borromeo School

Jenelle Audrienne B Torres, Sacred Heart Catholic School

Priyanka V Velappan, Los Alamos Middle School

JR Energy & Transportation

First Place

Lauren E Soherr, Jefferson Middle School

Second Place

Nathaniel J Martinez, Albq. School of Excellence

Third Place

Connor E Dix, Albuquerque Christian School

Joseph West, Albuquerque Christian School

Honorable Mention

Kaity M Burke, Burke Home School

Michael A Chigaev, Barranca Mesa Elementary School

JR Earth & Planetary Sciences

First Place

Joshua B Shevitz, Piñon Elementary School

Second Place

Jacob Utzler, St. Bonaventure

Third Place

Monica T Pareja, Our Lady of Fatima

Honorable Mention

Madison N Lerman, Yucca Middle School

Alicia C Rael, Taos Middle School

Julianna M Sandoval, Sierra Middle School

JR Computer Science

First Place

Ethan F Aulwes, Los Alamos Middle School

Alexander L Ionkov, Los Alamos Middle School

Second Place

Damian A Browne, Desert Academy

Third Place

Bryce O Jacobs, Cottonwood Valley Charter School

JR Chemistry

First Place

Rebecca A Brug, Chamisa Elementary School

Second Place

Ruby A Selvage, Los Alamos Middle School

Third Place

Hunter F Courtright, Sierra Middle School

Logan A Courtright, Sierra Middle School

Honorable Mention

Amjad F Awwad, Albq. School of Excellence

Shannon M Killian, Holy Ghost School

JR Botany

First Place

Hannah M Linder, Roosevelt Middle School

Second Place

Sophia A Nicholson, Taos Charter School

Carmen V Resnick, Taos Charter School

Third Place

Emma P Foresi, AIMES@UNM

Honorable Mention

Cory Calvani, PR Leyva Middle School

Amberle' D Eden, Cleveland Middle School

Christine C Young, Kirtland Middle School

JR Behavioral & Social Sciences

First Place

Sammy Homsy, Red Mountain Middle School

Second Place

Phoebe R Rychener, St. Teresa Catholic School

Third Place

Diana L Mullen, Jefferson Middle School

Honorable Mention

Elizabeth R Graham, Sacred Heart Catholic School

Johnesta S Killen, Albq. Institute for Math and Science

Sam A Menefee, Los Alamos Middle School

Yale Science and Engineering Association

Certificate

Levi J Myler, Piedra Vista High School

Vlad Sevostianov, Las Cruces High School

Dr. William A. Gross Memorial Award for Renewable Energy or Sustainable Living \$100 Cash Award

Kelly N Charley, Navajo Preparatory School Inc

Vannetta Perry Award

Plaque

Devon M Conradson, Los Alamos High School

Office of Naval Research - Naval Science Awards
Senior Division - \$75 award, Medallion, and Certificate

Adrian A Abeyta, Los Alamos High School
Chloe B Grubb, School of Dreams Academy
Sven Jandura, Los Alamos High School
Tara L Maestas, AIMES@UNM
Matthew T Miller, Rio Grande Enrichment Studies & Home School
Edward Park, Las Cruces High School
Curtis K Segarra, AIMES@UNM
Vlad Sevostianov, Las Cruces High School
William R Sidley-Parker, Los Alamos High School
Maria F Troyer, School of Dreams Academy
Jovan Y Zhang, Los Alamos High School

Junior Division - Medallion and Certificate

Mya J Belen, St. Bonaventure
Zachary R Fitzgerald, Albq. Institute for Math and Science
Daniel A Fryer, Mountain Elementary School
Russel (Rusty) W Ludwigsen, Desert Willow Family School

United States Metric Association
Certificate

Deshna L Joe, Navajo Preparatory School Inc
Wing Ho Lin, Grants High School

Theresa G. Johnson Award
\$50 Award

Chase L Kicker, Carlsbad High School

Tau Beta Pi, Engineering Honor Society - "Tau Beta Pi Aspiring Engineering Award"
Cash Award and T-Shirt

Josh S Ludwigsen, Eldorado High School
Cahill Rowan, Desert Academy

Stockholm Junior Water Prize

Certificate and invitation to enter the Stockholm Junior Water Prize competition

Aaron Fluhman, Roy Municipal School

Hanna M Harper, Rio Rancho High School

Edward Park, Las Cruces High School

Vlad Sevostianov, Las Cruces High School

Abdullah A Shah, Salam Academy

Jordan M Woodbury, Grants High School

Society for In Vitro Biology

Certificate

Samantha DeWees, Piedra Vista High School

Annelyce K Hicks, Grants High School

Rocky Mountain Water Environment Assoc. (RMWEA)

\$400 Award

Hanna M Harper, Rio Rancho High School

Vlad Sevostianov, Las Cruces High School

\$200 Award

Sean D McNally, Heights Middle School

Monica T Pareja, Our Lady of Fatima

Ricoh Sustainable Development Award

Certificate

Daniel J Hund, Albq. School of Excellence

Vlad Sevostianov, Las Cruces High School

Rex Robinson Award

Plaque and \$50 Cash

Chloe B Grubb, School of Dreams Academy

Professional Aerospace Contractors Association (PACA) of New Mexico

First Place - \$300 award

Coleman J Kendrick, Los Alamos High School

Second Place - \$200 award

Michael P Randall, Mayfield High School

Third Place - \$100 award

Maia C Menefee, Los Alamos High School

New Mexico Tree Committee Administration
\$100 award

Tyler J Monzingo, Silver High School

Sinea C Runnels, Silver High School

New Mexico Tech Biology Department
T-Shirt

Hannah M Linder, Roosevelt Middle School

Tyler J Overberger, Roy Municipal School

New Mexico Tech ASM-TMS Materials Student Chapter
Cash Award, T-Shirt and Playing Cards

Lauren K Burckel, Jefferson Middle School

New Mexico Tech - ACS Chem Club, "NMT ACS Aspiring Chemist Award"
\$25 Amazon Gift Card

Shannon M Killian, Holy Ghost School

Krist C Stevens, 21st Century Public Academy

New Mexico Solar Energy Association
Senior Division, 1st Place

Vlad Sevostianov, Las Cruces High School

Senior Division, 2nd Place

Deshna L Joe, Navajo Preparatory School Inc

Senior Division, 3rd Place

Matthew T Miller, Rio Grande Enrichment Studies & Home School

Junior Division, 1st Place

Nathaniel J Martinez, Albq. School of Excellence

Junior Division, 2nd Place

Connor E Dix, Albuquerque Christian School

Joseph West, Albuquerque Christian School

Junior Division, 3rd Place

Makayla R Gates, Peralta Elementary

New Mexico Optometric Association

\$100 Cash Award

Aydan Sparks, St. Pius X High School

Kristin M Strosnider, St. Thomas Aquinas School

\$75 Cash Award

Camillia R Aitbayev, Socorro High School

Levi H Taylor, PR Leyva Middle School

\$50 Cash Award

Jadyn R Barnett, Clovis Christian School

LynnMarie A Jarratt, Los Lunas High School

Honorable Mention

Rebecca A Brug, Chamisa Elementary School

Jon T Goodart, Grants High School

Esai D Lopez, Santa Teresa High School

Monica T Pareja, Our Lady of Fatima

New Mexico Network for Women in Science and Engineering

Tote Bag and \$50 award

Lauren K Burckel, Jefferson Middle School

Alicia C Rael, Taos Middle School

Ruby A Selvage, Los Alamos Middle School

Lien T Tang, Eisenhower Middle School

Kelly N Charley, Navajo Preparatory School Inc

Lilly F Chiou, Carlsbad High School
Kathryn M Harris, Rio Rancho High School
Hiba R Muhyi, Arrowhead Park Early College High School
Neelima G Prasad, Los Alamos Middle School
Maria F Troyer, School of Dreams Academy

Tote Bags and Certificate

Mykala M Chavez, Gattis Middle School
Maria G Fanelli, Aspen Elementary School
Celia J Flicker, AIMES@UNM
Lauren E Soherr, Jefferson Middle School
Priyanka V Velappan, Los Alamos Middle School

New Mexico Museum of Natural History and Science
\$200 cash award, museum certificate, and museum t-shirt

Devon M Conradson, Los Alamos High School
Ruby A Selvage, Los Alamos Middle School

New Mexico Garden Clubs, Inc.
First Place - \$100 cash award

Catherine A Chavez, Los Lunas High School
Natalie D Rychener, St. Teresa of Avila School

Second Place - \$75 cash award

Amberle' D Eden, Cleveland Middle School
Luke C Nez, Navajo Preparatory School Inc

Third Place - \$50 cash award

Ashley N Martinez, Taos Middle School
James M Valerio, Taos High School

New Mexico Dept of Agriculture - Office of the State Chemist
Certificate of Achievement and Tote Bag

Sanjiv Harikumar, Sierra Middle School
Meghan L Hill, Monte Del Sol Charter School

New Mexico Biotechnology & Biomedical Association (NMBio)

All expenses paid trip to US National BioGENEius Challenge for the student and teacher

Jarek V Kwiecinski, Albq. Institute for Math and Science

1st Alternate

Devon M Conradson, Los Alamos High School

2nd Alternate

Lilly F Chiou, Carlsbad High School

New Mexicans for Science and Reason

\$200 Award

Eli J Echt-Wilson, La Cueva High School

Albert N Zuo, La Cueva High School

National Oceanic and Atmospheric Administration

Certificate and Medallion

Nathaniel J Martinez, Albq. School of Excellence

David P Murphy, Los Alamos High School

Mu Alpha Theta

Certificate

Eli J Echt-Wilson, La Cueva High School

Albert N Zuo, La Cueva High School

Mau/Kirschbaum Award

\$50 Cash Award

Esai D Lopez, Santa Teresa High School

Gabriel N Ortiz, Taos High School

Materials Achievement Award - NMT Materials Science and Engineering Dept.

\$100 Award and Playing Cards

Chesten R Browning, Albq. Institute for Math and Science

Lovelace Respiratory Research Institute
\$1000 Scholarship to college of the student's choice

Anjik Ghosh, Albuquerque Academy

John Harty Award
Plaque

Adrian A Abeyta, Los Alamos High School

Intel Excellence in Computer Science Award
\$200 Award and Certificate

Amos J Gray, Taos Cyber Magnet High School

Sven Jandura, Los Alamos High School

William R Sidley-Parker, Los Alamos High School

Jovan Y Zhang, Los Alamos High School

Hollister Gardening Club
Electronic Merchandise and Shirt

Victoria M Troyer, School of Dreams Academy

Excellence in Geoscience
Senior Division - Cash award, subscription to New Mexico Geology, and publication of the student's abstract in New Mexico Geology

David P Murphy, Los Alamos High School

Junior Division - Cash award, subscription to New Mexico Geology, and publication of the student's abstract in New Mexico Geology

Joshua B Shevitz, Piñon Elementary School

David K. Shortess Award
Plaque

Zachary R Fitzgerald, Albq. Institute for Math and Science

Coalition for Excellence in Science Education
\$200 Cash Award

Skyler S Hughes, Albq. School of Excellence

Clay T. Smith Award

Plaque

Russel (Rusty) W Ludwigsen, Desert Willow Family School

Broadcom MASTERS Program

Nominee Packet

Mike C Adams, Grant Middle School

Ethan F Aulwes, Los Alamos Middle School

Damian A Browne, Desert Academy

Rebecca A Brug, Chamisa Elementary School

Joel DuBois, Sierra Middle School

Athena L Dunleavy, Taos Charter School

Maria G Fanelli, Aspen Elementary School

Zachary R Fitzgerald, Albq. Institute for Math and Science

Makayla R Gates, Peralta Elementary

Zach R Ginn, Taos Middle School

Sammy Homsy, Red Mountain Middle School

Skyler S Hughes, Albq. School of Excellence

Alexander L Ionkov, Los Alamos Middle School

Hannah M Linder, Roosevelt Middle School

Devin M Padilla, St. Teresa of Avila School

Joshua B Shevitz, Piñon Elementary School

Lauren E Soherr, Jefferson Middle School

Lien T Tang, Eisenhower Middle School

AVS Science and Technology Society, New Mexico Chapter

Senior Division, 1st Place - \$300 Cash award plus award for teacher

Mary C Spanjers, East Mountain High School

Senior Division 2nd Place - \$200 cash award plus award for teacher

Matthew T Miller, Rio Grande Enrichment Studies & Home School

Junior Division, 1st Place - \$200 cash award plus award for teacher

Daniel J Hund, Albq. School of Excellence

Junior Division, 2nd Place - \$150 cash award plus award for teacher

Zachary R Fitzgerald, Albq. Institute for Math and Science

Association for Women Geoscientists

Certificate

Hanna M Harper, Rio Rancho High School

Alicia C Rael, Taos Middle School

ASM Materials Education Foundation

Certificate

Ethan D Cooper, Grants High School

Seth A McClure, Sierra Middle School

ASM International - Los Alamos Chapter

First Place - \$200 cash award

Mary C Spanjers, East Mountain High School

Second Place - \$150 cash award

Chase L Kicker, Carlsbad High School

Third Place --\$100 cash award

Russel (Rusty) W Ludwigsen, Desert Willow Family School

Ashmore Award

\$50 cash award

Tera E Archie, Grants High School

Jorge Salcido Morales, Grants High School

Anthony A. Ortiz Award

Plaque

Sammy Homsy, Red Mountain Middle School

American Psychological Association Educational Directorate

Certificate

Juliana M Luna, Sierra Middle School

Phoebe R Rychener, St. Teresa Catholic School

American Meteorological Society

Certificate and Flash Drive

Tyler J Monzingo, Silver High School

Sinea C Runnels, Silver High School

Certificate

Jasmine Padilla, Grants High School

Michael P Randall, Mayfield High School

American Chemical Society, Central New Mexico Section

Cash award

Anthony J Archuleta, Taos High School

Sanjiv Harikumar, Sierra Middle School

Ruby A Selvage, Los Alamos Middle School

**Scientific Paper Competition, sponsored by the New Mexico Academy of Science
and Sandia National Labs/Lockheed Martin**

American Vacuum Society, Senior Div, 1st Place - \$150 award

Jeongmin Lee, Las Cruces High School

Teacher Award, Eiceman Research Group

American Vacuum Society, Senior Div, 2nd Place - \$125 award

Josh S Ludwigsen, Eldorado High School

Teacher Award, Jennifer Coughlin

American Vacuum Society, Junior Div, 1st Place - \$125 award

Logan Byrom, Hermosa Middle School

Teacher Award, Cindy Colomb

American Vacuum Society, Junior Div, 2nd Place - \$100 award

Devin M Padilla, St. Teresa of Avila School

Teacher Award, Maria Mirabal

Scientific Paper Competition, sponsored by the New Mexico Academy of Science and Sandia National Labs/Lockheed Martin

NM Academy of Science, Senior Div, 1st Place - \$200 award

Jeongmin Lee, Las Cruces High School

NM Academy of Science, Senior Div, 2nd Place - \$100 award

Josh S Ludwigsen, Eldorado High School

NM Academy of Science, Senior Div, 3rd Place - \$50 award

Lilly F Chiou, Carlsbad High School

NM Academy of Science, Junior Div, 1st Place - \$200 Award

Russel (Rusty) W Ludwigsen, Desert Willow Family School

NM Academy of Science, Junior Div, 2nd Place - \$100 award

Ruby A Selvage, Los Alamos Middle School

NM Academy of Science, Junior Div, 3rd Place - \$50 award

Hannah M Linder, Roosevelt Middle School

NM Academy of Science, Junior Div, Honorable Mention

Devin M Padilla, St. Teresa of Avila School

Logan Byrom, Hermosa Middle School