

---

**Klipsch School of Electrical & Computer Engineering, NMSU**

up to 12 Scholarship Certificates for students if they enroll in the BSEE program

Up to 6 \$50 gift cards

---

**Junior or Senior Division**

**Recognition**

up to 12 Scholarship Certificates for students if they enroll in the BSEE program

Up to 6 \$50 gift cards

**GISELLE N SARRACINO**

Los Alamitos Middle School

Teacher/Sponsor: Daniela De Santiago

Title: Another Way of Seeing'

**Alexander S Livescu**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: The not so weird world of quantum computing: Bits, Qubits, and Really Large Primes'

---

## Scientific Paper Competition-NMJAS

To showcase student research, participation in science fairs, and an annual written and oral technical paper competition.

---

### Junior Division

---

#### Honorable Mention

NM Academy of Science, Junior Div, Honorable Mention

**NMJAS Scientific Paper Competition: Adam J  
Honsi**

His presentation on Using sentiment analysis to assess depression

**NMJAS Scientific Paper Competition: Trey L  
Jones**

His presentation on Effects of UV irradiation on regenerating planarians

#### Third Place

NM Academy of Science, Junior Div, 3rd Place, \$100 Cash Award

**NMJAS Scientific Paper Competition: Sofia G  
Chavez**

Her presentation on An Honest Placebo

#### Second Place

NM Academy of Science, Junior Div, 2nd Place, \$150 Cash Award

**NMJAS Scientific Paper Competition: Milidu N  
Jayaweera**

Her presentation on Designing a Cognitive Anti-Jamming Communications system ...

#### First Place

NM Academy of Science, Junior Div, 1st Place, \$250 Cash Award

**NMJAS Scientific Paper Competition: Ksenia  
Sevostianov**

Ksenia's presentation Play 'Spot the Difference' to fight cancer

---

## Scientific Paper Competition, AVS Science & Technology Awards

### Scientific Paper Competition

---

#### Junior Division

---

##### Second Place

\$175 Cash Award

**Scientific Paper Competition: Daniel Borovina**

His presentation on Parabolas and the Perfect Hot Dog

##### First Place

\$200 Cash Award

**AVS Science and Tech Paper Competition:  
Sofia G Chavez**

Sofia's entry in the AVS Scientific Paper Competition

##### Teacher Award

\$200 to teacher of 1st place winner

**AVS Science and Tech Paper Competition:  
Suzy Dunnum**

Sponsor for Sofia Chavez

##### Teacher Award

\$175 to teacher of 2nd place winner

**AVS Science and Teck Paper Competition:  
Karen Borovina**

Sponsor for Daniel Borovina

---

**Air and Waste Management Association - Rocky Mountain States Section**

Projects that involve the fields of air quality science and engineering and/or solid waste management.

---

**Junior Division**

---

**Third Place**

Cash Award

**Broc C DuBois**

Desert Springs Christian Academy

Teacher/Sponsor: Don Lytton

Title: Keeping the Dust Down'

**Second Place**

Cash Award

**Genesis I Gamboa**

Milan Elementary School

Teacher/Sponsor: Kandas Gonzales

Title: Co2 For You'

**First Place**

Cash Award

**Selia I Lozoya**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: How Does Metal Withstand Different Levels of Acid Rain When Coated in Metal Primer?'

---

**Albuquerque Chapter of the American Statistical Association**

Criteria: Best use of statistics in science fair project

---

**Senior Division**

---

**Second Place**

Cash Award

**Lindsey J Dunbar**

Jefferson Middle School

Teacher/Sponsor: Sherie Pennebaker

Title: Using Algae to Reduce Solar Heat Gain in Buildings'

---

**American Chemical Society - Central New Mexico Local Section**

To project that best demonstrates a thorough and logical approach to the investigation and observation of a chemical phenomena or property using the principles of the scientific method.

---

**Junior Division**

---

**Recognition**

Cash Award

Team Split

**Ksenia Sevostianov**

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov

Title: Play "Spot the difference" to fight cancer'

---

**Junior or Senior Division**

---

**Recognition**

Discretionary Award

**Selia I Lozoya**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: How Does Metal Withstand Different Levels of Acid Rain When Coated in Metal Primer?'

---

**American Nuclear Society, Trinity Section**

For best project related to nuclear science or nuclear engineering.

---

**Junior Division**

---

**Recognition**

Cash Award

**Keenan H Greywolf**

Taos Charter School

Teacher/Sponsor: Sally A Greywolf

Title: Killer Calls'

---

**American Psychological Association**

Outstanding research in psychological science under the category of behavioral and social sciences or any category related to psychology.

---

**Junior or Senior Division**

---

**Recognition**

Certificate

**Adam J Homsj**

Sierra Middle School

Teacher/Sponsor: Rana Mreiwed

Title: Using Sentiment Analysis To Assess Depression Amongst The Elderly'

---

**New Mexico American Vacuum Society**

For the most creative chemistry or physics entry that successfully followed the scientific method.

---

**Junior Division****Second Place**

Cash Prize

Teacher will also receive \$150

**Lane A Clavel**

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger

Title: Heavy Metal on the Rice: Phase II'

**First Place**

Cash Prize

Teacher will also receive \$200

**Aditya K Koushik**

AIMS@UNM

Teacher/Sponsor: Beverly Miller

Title: Which light source makes electrons excited for longer in phosphorescence?'

---

**Anthony A. Ortiz Award**

For best Behavioral and Social Sciences Project.

---

**Junior or Senior Division****Recognition**

Plaque

**Nathan C Hoxworth**

Desert Springs Christian Academy

Teacher/Sponsor: Don Lytton

Title: The Science Behind Where's Waldo'

---

**ASM International - Los Alamos Chapter**

For Excellence in Materials Science-projects that emphasize the science of materials (metallurgy, ceramics, polymers, etc) and how the materials properties, processing or structure influences performance.

---

**Junior or Senior Division****Third Place**

\$100 Cash Prize

**Joseph M Espindola**

Prince of Peace Lutheran

Teacher/Sponsor: Jeanne L Hatok

Title: Powered by Wind Phase II'

---

**Association for Women Geoscientists**

Projects created by female students who exemplify high standards of innovativeness and scientific excellence in the geosciences.

---

**Junior or Senior Division****Recognition**

Certificate

**Veronica S Parra**

Mountain Elementary

Teacher/Sponsor: Eva Abeyta

Title: Locating the Epicenter for the 2017 Central Mexico Earthquake'

---

**Ball Aerospace and Technologies Corp.**

1st, 2nd and 3rd place awards will be given in the Junior and Senior categories for Experiments, mathematical models or engineering designs related to application of light or heat. Fields of interest: Physics, Chemistry, Mathematics, and Engineering.

---

**Junior Division****Third Place**

\$100 Cash Award

**Kathryn G Chester**

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas

Title: Bizarre Stars'

**Second Place**

\$150 Cash Award

**Lindsey J Dunbar**

Jefferson Middle School

Teacher/Sponsor: Sherie Pennebaker

Title: Using Algae to Reduce Solar Heat Gain in Buildings'

**First Place**

\$250 Cash Award

**Liam Nyikos**

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas

Title: Your House May Be Putting You in Danger'

---

**Brittini Romero Award**

Project with research focused in water remediation and/or energy.

---

**Junior Division**

---

**Recognition**

\$100.0

**Caitlyn M Birkby**

Mesa View Middle School

Title: Emerging H2O from the Desert'

Teacher/Sponsor: Lacey Fitzgerald

**Recognition**

100.00

**Larry L Meador**

Milan Elementary School

Title: cleaning up oil spills'

Teacher/Sponsor: Kandas Gonzales



## Broadcom MASTERS

Outstanding projects are eligible to compete for an all-expenses paid trip to Washington, DC, to participate in the Broadcom MASTERS National Finals.

### Junior Division

#### Recognition

Certificate and Packet

#### **Gianna G Nilvo**

Sundance Elementary

Teacher/Sponsor: Heather Cannon

Title: The Digestion of Cat Food'

#### **Adam J Homsj**

Sierra Middle School

Teacher/Sponsor: Rana Mreiwed

Title: Using Sentiment Analysis To Assess Depression Amongst The Elderly'

#### **Ksenia Sevostianov**

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov

Title: Play "Spot the difference" to fight cancer'

#### **T# 1 Andres V Chappa**

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas

Title: Motion in V.R.'

#### **T# 2 David Maley**

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas

Title: Motion in V.R.'

#### **Natasha R Colon**

Media Arts Collaborative Charter School

Teacher/Sponsor: Vary E Coates

Title: Sifting the Paleocene'

#### **Milidu N Jayaweera**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: Designing a Cognitive Anti-Jamming Communication System with Machine Learning and Reconfig Antennae'

#### **Evan R Tweedie**

Heights Middle School

Teacher/Sponsor: Robin L Bellah

Title: Toxicity of the Water Bodies in the Animas River Valley'

#### **Alexander S Livescu**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: The not so weird world of quantum computing: Bits, Qubits, and Really Large Primes'

#### **Lane A Clavel**

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger

Title: Heavy Metal on the Rice: Phase II'

#### **Kolton A. Bratzel**

Grants High School

Teacher/Sponsor: Shelby Alexander

Title: What Types of Harmful Bacteria are Living Under Your Fingernails?'

**Phillip L Ionkov**

Los Alamos Middle School  
Title: Dark Star'

Teacher/Sponsor: Eva Abeyta

**Melia T Krikorian**

AIMS@UNM  
Title: How Does Light Affect the Growth of a Hydroponic Plant?'

Teacher/Sponsor: Alicia Ruch-Flynn

**Isabella J Griego**

AIMS@UNM  
Title: Can I Build a Motorized Tricycle That Can Benefit Disabled Children'

Teacher/Sponsor: Alicia Ruch-Flynn

---

**Climate Change New Mexico**

Presented to the student whose project demonstrated the greatest insight into climate change using the scientific method.

---

**Junior Division****Recognition**

Cash prize and Certification  
Team Split

**Joseph M Espindola**

Prince of Peace Lutheran  
Title: Powered by Wind Phase II'

Teacher/Sponsor: Jeanne L Hatok

---

**David K. Shortess Award**

Project exhibiting outstanding quality in logic and clarity of presentation.

---

**Junior or Senior Division****Recognition**

Plaque

**Ksenia Sevostianov**

Sierra Middle School  
Title: Play "Spot the difference" to fight cancer'

Teacher/Sponsor: Igor Sevostianov

---

**"Excellence in Geoscience" Award**

Geoscience awards will be based on research projects that demonstrate scholarship, creativity, and thoroughness within the broad area of geoscience.

---

**Junior Division****Recognition**

Cash Award and Certificate

**Lucia A Santoro-Velez**

Jefferson Middle School  
Title: The Protective Role of Marshlands in a Storm Surge'

Teacher/Sponsor: Suzy Dunnum

---

**John Harty Award**

For the project which makes the best use of readily available materials.

---

**Junior or Senior Division**

---

**Recognition**

Plaque

**Joseph M Espindola**

Prince of Peace Lutheran

Title: Powered by Wind Phase II'

Teacher/Sponsor: Jeanne L Hatok

---

**Theresa G. Johnson Memorial Award**

In memory of Theresa G. Johnson, teacher and supporter of NMSEF.

---

**Junior or Senior Division**

---

**Recognition**

\$100 Cash Award

**Olivia D Cole**

Jefferson Middle School

Title: The "Far Out" Spectrum of a Quasar'

Teacher/Sponsor: Suzy Dunnum

---

**NASA Earth System Science Award**

Presented to the Student whose project offers the greatest insight into Earth's interconnected systems.

---

**Junior or Senior Division**

---

**Recognition**

Certificate

**Lucia A Santoro-Velez**

Jefferson Middle School

Title: The Protective Role of Marshlands in a Storm Surge'

Teacher/Sponsor: Suzy Dunnum

**Olivia D Cole**

Jefferson Middle School

Title: The "Far Out" Spectrum of a Quasar'

Teacher/Sponsor: Suzy Dunnum

---

**Taking the Pulse of the Planet Award**

Recognized for a research project that emphasizes NOAA related science.

---

**Junior or Senior Division**

---

**Recognition**

Letter of Congratulations, Award Certificate, and NOAA medallion

**Broc C DuBois**

Desert Springs Christian Academy

Title: Keeping the Dust Down'

Teacher/Sponsor: Don Lytton

---

**Naval Science Award Program**

Recognition of individual project at the NM Science and Engineering Fair for production and presentation of quality science and engineering projects.

---

**Junior Division****Recognition**

Certificate of Achievement, Letter of Congratulations, and Medallion

**Phillip L Ionkov**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: Dark Star'

**Cloe E Godret - Miertschin**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: On the Road to Harvesting Energy'

**Alexander S Livescu**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: The not so weird world of quantum computing: Bits, Qubits, and Really Large Primes'

**Teja A Williams**

Laguna Middle School

Teacher/Sponsor: Gladines Harris

Title: Bridges'

---

**New Mexicans for Science and Reason (NMSR)**

In recognition of the thought and effort that went into producing a successful project.

---

**Junior or Senior Division****Recognition**

\$200 Cash Award

Team Split if needed

**Mattealle R Calhoun**

Portales Junior High School

Teacher/Sponsor: Shelly Morgan  
Morgan

Title: Nutrition Labels: How Accurate Are They?'

---

**New Mexico Network for Women in Science and Engineering**

Given to projects which best match NMNWSE's goal to encourage young women to develop their potential as future leaders in scientific and technical fields.

---

**Junior or Senior Division**

---

**Recognition**

\$50 Cash Prize, certificate and tote bag with career materials.

**Cloe E Godret - Miertschin**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: On the Road to Harvesting Energy'

**Gianna G Nilvo**

Sundance Elementary

Teacher/Sponsor: Heather Cannon

Title: The Digestion of Cat Food'

**Ksenia Sevostianov**

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov

Title: Play "Spot the difference" to fight cancer'

**Isabella J Griego**

AIMS@UNM

Teacher/Sponsor: Alicia Ruch-Flynn

Title: Can I Build a Motorized Tricycle That Can Benefit Disabled Children'

**Dominique Vigil**

Taos Middle School

Teacher/Sponsor: Ella M. Rael

Title: The Impact of Acidic Foods on Eggshells '

---

**Junior or Senior Division**

---

**Honorable Mention**

Certificate and tote bag with career materials (\$25 value)

**Haiven Schoolcraft**

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski

Title: Hydroponics Water vs. Soil'

**Alexia H Knittel**

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski

Title: Absorption:Dyeing Fabrics with Kool-Aid'

**Cassandra Sanchez**

Taos Middle School

Teacher/Sponsor: Ella M. Rael

Title: Fruit Fly Cafe'

**GISELLE N SARRACINO**

Los Alamitos Middle School

Teacher/Sponsor: Daniela De Santiago

Title: Another Way of Seeing'

**Lucia A Santoro-Velez**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: The Protective Role of Marshlands in a Storm Surge'

**Rose C Osborne**

Taos Middle School

Teacher/Sponsor: Ella M. Rael

Title: Bio power'

---

## New Mexico Optometric Association

Projects related to visual, ocular (eyes), optics, color vision, or medical ocular problems.

---

### Junior Division

---

#### Honorable Mention

\*\*TEAM: EACH MEMBER RECEIVES Certificate

**T# 1 Maya H Clausen**

Los Alamos Middle School

Title: Eyewitness Accuracy'

Teacher/Sponsor: Eva Abeyta

**T# 2 Katrina E Sanchez**

Los Alamos Middle School

Title: Eyewitness Accuracy'

Teacher/Sponsor: Eva Abeyta

**T# 3 Grace J Xie**

Los Alamos Middle School

Title: Eyewitness Accuracy'

Teacher/Sponsor: Eva Abeyta

#### Honorable Mention

Certificates

**Nathan L Porter**

Jose Barrios Elementary

Title: The Color of Life'

Teacher/Sponsor: Lynn Lane

#### Third Place

Cash Prize and Certificate

**Analicia D Hernandez**

Carlsbad 6th Grade Academy

Title: Do You Hear What You See?'

Teacher/Sponsor: Rebecca L Hicks

#### Second Place

Cash Prize and Certificate

**Iman N Aggad**

Salam Academy

Title: "Sight or Audio:who will win?'"

Teacher/Sponsor: Aamna Nayyar

#### First Place

Cash Prize and Certificate

**GISELLE N SARRACINO**

Los Alamitos Middle School

Title: Another Way of Seeing'

Teacher/Sponsor: Daniela De Santiago

---

## New Mexico Solar Energy Association

Outstanding projects in solar energy, renewable energy or sustainable living.

---

### Junior Division

---

#### Third Place

\$35 Cash Award

##### **McKenzie L. Fleehart**

Carlsbad 6th Grade Academy

Title: Make the Wind Work for You'

Teacher/Sponsor: Amy K Hollis

##### **Dominic J Serrano**

Santo Nino Regional Catholic School

Title: Insulation 101'

Teacher/Sponsor: DiAnna Ruiz

#### Second Place

\$50 Cash Award

##### **Eleanor M Hynson**

AIMS@UNM

Title: Solar Distillation'

Teacher/Sponsor: Beverly Miller

#### First Place

\$75 Cash Award

##### **Joseph M Espindola**

Prince of Peace Lutheran

Title: Powered by Wind Phase II'

Teacher/Sponsor: Jeanne L Hatok

---

## RealD Perfecting the Visual Image Award

There will be one award for each division (jr & Sr) Awards go to the projects the RealD judge represent the most interesting optical, human visual, or technology for entertainment project.

---

### Junior Division

---

#### Recognition

Gift Card

##### **Alexia L Munson**

Milan Elementary School

Title: Breaking Telescopes'

Teacher/Sponsor: Kandas Gonzales

---

## Ricoh Sustainable Development Award

Presented to the student whose research has demonstrated the Principles and Technical Innovations that offer the greatest potential for Sustainable Development.

---

### Junior or Senior Division

---

#### Recognition

Certificate

##### **Lindsey J Dunbar**

Jefferson Middle School

Title: Using Algae to Reduce Solar Heat Gain in Buildings'

Teacher/Sponsor: Sherie Pennebaker



---

**Junior Category: Animal Sciences**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Ribbon and Certificate

**Hayden Navarrette**

Carlsbad 6th Grade Academy

Teacher/Sponsor: Amy K Hollis

Title: Which Bait Is Best?'

**Lily P Macfarlane**

Melrose Elementary school

Teacher/Sponsor: Kendra Lewis

Title: Do Peanuts Help Chickens Lay Bigger Eggs? Eggcellent Eggs '

**Third Place**

Medal and Certificate

**Kaitlin F Sutberry**

Penasco Middle School

Teacher/Sponsor: Valerie T Esquibel

Title: Put Your Paws Up'

**Second Place**

Medal and Certificate

**Trey L Jones**

Hermosa Middle School

Teacher/Sponsor: Cindy Colomb

Title: The Effects of Ultraviolet Irradiation on Regenerating Planarians'

**First Place**

\$50 Cash Award, Medal, Certificate

**Gianna G Nilvo**

Sundance Elementary

Teacher/Sponsor: Heather Cannon

Title: The Digestion of Cat Food'

---

**Junior Category: Behavioral and Social Sciences**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Certificate and Ribbon

**Nathan M Hobbs**

Los Alamitos Middle School

Teacher/Sponsor: Daniela De Santiago

Title: Placebo Effect and the Middle School Brain'

**Francesca G Benavidez**

AIMS@UNM

Teacher/Sponsor: Beverly Miller

Title: The People Behind Bumper Stickers'

**Nathan C Hoxworth**

Desert Springs Christian Academy

Teacher/Sponsor: Don Lytton

Title: The Science Behind Where's Waldo'

**Third Place**

Medal and certificate

**Kate A McDaniel**

Tibbetts Middle School

Teacher/Sponsor: Cindy Lanier

Title: What's the Tempo?'

**Second Place**

Medal and certificate

**Sofia G Chavez**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: An Honest Placebo'

**First Place**

\$50 Cash Award, medal, and certificate

**Adam J Homsj**

Sierra Middle School

Teacher/Sponsor: Rana Mreiwed

Title: Using Sentiment Analysis To Assess Depression Amongst The Elderly'

---

**Junior Category: Chemistry**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Certificate and Ribbon

**Aditya K Koushik**

AIMS@UNM

Teacher/Sponsor: Beverly Miller

Title: Which light source makes electrons excited for longer in phosphorescence?'

**Selia I Lozoya**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: How Does Metal Withstand Different Levels of Acid Rain When Coated in Metal Primer?'

**Harrison C Coe**

Barranca Mesa Elementary

Teacher/Sponsor: Audrey Juliani

Title: Molecular Gastronomy: The Chemistry of Making Edible Spheres'

**Third Place**

Medal and Certificate

**Mattealle R Calhoun**

Portales Junior High School

Teacher/Sponsor: Shelly Morgan  
Morgan

Title: Nutrition Labels: How Accurate Are They?'

**Second Place**

Medal and certificate

**Isaac Z Huber**

Eisenhower Middle School

Teacher/Sponsor: Ashley Daniels

Title: Using a Homemade Colorimeter to Determine the Fluoride Concentration from Various Water Sources'

**First Place**

\$50 Cash Prize, Medal and Certificate

**Ksenia Sevostianov**

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov

Title: Play "Spot the difference" to fight cancer'

---

**Junior Category: Computer Science**Top of Category

---

**Junior Division**

---

**Third Place**

Medal and Certificate

**Maxwell K Steingreaber**

Annunciation Catholic School

Title: WiFi Problems?'

Teacher/Sponsor: Chris Spurlin

**Second Place**

Medal and Certificate

**samuel sz zhong**

St. Teresa of Avila School

Title: go fish'

Teacher/Sponsor: Maria Mirabal

**First Place****\*\*TEAM: MEMBERS SPLIT \$50 Cash Prize, Medal and Certificate****T# 1 Andres V Chappa**

Carlsbad Intermediate School

Title: Motion in V.R.'

Teacher/Sponsor: Leah K Olivas

**T# 2 David Maley**

Carlsbad Intermediate School

Title: Motion in V.R.'

Teacher/Sponsor: Leah K Olivas

---

**Junior Category: Earth Sciences**

Top of Category

---

**Junior Division**

---

**Honorable Mention**

Certificate and Ribbon

**Caitlyn M Birkby**

Mesa View Middle School

Title: Emerging H2O from the Desert'

Teacher/Sponsor: Lacey Fitzgerald

**Third Place**

Certificate and Medal

**Samuel E Hagele**

Academy Technology Classics

Title: The Accuracy of Viking Compasses'

Teacher/Sponsor: Lori Brown

**Second Place**

Certificate and Medal

**Veronica S Parra**

Mountain Elementary

Title: Locating the Epicenter for the 2017 Central Mexico Earthquake'

Teacher/Sponsor: Eva Abeyta

**First Place**

\$50 Cash Prize

**Natasha R Colon**

Media Arts Collaborative Charter School

Title: Sifting the Paleocene'

Teacher/Sponsor: Vary E Coates

---

**Junior Category: Energy and Transportation**

Top of Category

---

**Junior Division**

---

**Third Place**

Certificate and Medal

**Dominic J Serrano**

Santo Nino Regional Catholic School

Title: Insulation 101'

Teacher/Sponsor: DiAnna Ruiz

**Second Place**

Certificate and Medal

**Joseph M Espindola**

Prince of Peace Lutheran

Title: Powered by Wind Phase II'

Teacher/Sponsor: Jeanne L Hatok

**First Place**

\$50 Cash Award, Medal and Certificate

**Isabella J Griego**

AIMS@UNM

Title: Can I Build a Motorized Tricycle That Can Benefit Disabled Children'

Teacher/Sponsor: Alicia Ruch-Flynn

---

**Junior Category: Engineering**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Certificate and Ribbon

**Oliver M Reuben**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: Testing Shear Stress and Jaw Deflection of Three Different Adhesives'

**Teja A Williams**

Laguna Middle School

Teacher/Sponsor: Gladines Harris

Title: Bridges'

**GISELLE N SARRACINO**

Los Alamitos Middle School

Teacher/Sponsor: Daniela De Santiago

Title: Another Way of Seeing'

**Third Place**

Medal and Certificate

**Cole C Lill**

Jefferson Middle School

Teacher/Sponsor: Sherie Pennebaker

Title: Tensile Strength of 3D Printed Parts'

**Second Place**

Medal and Certificate

**Robert R Strauss**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: Dry Liquid Sand: Buoyancy in a Fluidized Bed'

**First Place**

\$50 Cash Award, Medal and Certificate

**Milidu N Jayaweera**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: Designing a Cognitive Anti-Jamming Communication System with Machine Learning and Reconfig Antennae'

---

**Junior Category: Environmental Sciences**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Certificate and Ribbon

**Lucia A Santoro-Velez**

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

Title: The Protective Role of Marshlands in a Storm Surge'

**Lindsey J Dunbar**

Jefferson Middle School

Teacher/Sponsor: Sherie Pennebaker

Title: Using Algae to Reduce Solar Heat Gain in Buildings'

**Third Place**

Medal and Certificate

**Larry L Meador**

Milan Elementary School

Teacher/Sponsor: Kandas Gonzales

Title: cleaning up oil spills'

**Second Place**

Medal and Certificate

**Broc C DuBois**

Desert Springs Christian Academy

Teacher/Sponsor: Don Lytton

Title: Keeping the Dust Down'

**First Place**

\$50 Cash Award, Medal, and Certificate

**Evan R Tweedie**

Heights Middle School

Teacher/Sponsor: Robin L Bellah

Title: Toxicity of the Water Bodies in the Animas River Valley'



---

**Junior Category: Mathematical Sciences**Top of Category

---

**Junior Division**

---

**Third Place**

Medal and Certificate

**Reuben W Goettee**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: Bet You Can't Hit Me The Science of Catapult Statistics'

**Second Place**

Medal and Certificate

**Weston G Keller**

Desert Academy at Santa Fe

Teacher/Sponsor: William Neuwirth

Title: The Musical Equation'

**First Place**

\$50 Cash Award, Medal, and Certificate

**Alexander S Livescu**

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

Title: The not so weird world of quantum computing: Bits, Qubits, and Really Large Primes'

---

**Junior Category: Medicine & Health Sciences**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Ribbon and Certificate

**Hana \_ Walter**

Tse'Bit'ai Middle School

Teacher/Sponsor: Amy J John

Title: The Best Method to Bleach Dark Hair Using Pravanna'

**Magdalene R Sanchez**

Magdalena

Teacher/Sponsor: Amanda Allen

Title: Glucose in Common Foods '

**Third Place**

Medal and Certificate

**Joshua C Cardenas**

Hope Christian School

Teacher/Sponsor: Kathy Parfet

Title: Rethink Your Drink'

**Second Place**

Medal and Certificate

**Gwendolyn Z Tull**

Hermosa Middle School

Teacher/Sponsor: Cindy Colomb

Title: Take Away an Ingredient'

**First Place**

\$50 Cash Award, Medal, and Certificate

**Lane A Clavel**

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger

Title: Heavy Metal on the Rice: Phase II'

---

**Junior Category: Microbiology**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Ribbon and Certificate

**Marielle N Gomez**

Taos Charter School

Title: Medicinal Halo'

Teacher/Sponsor: Sally A Greywolf

**Maximus C Posada**

Barranca Mesa Elementary

Title: Eggs with a side of Bacteria?'

Teacher/Sponsor: Audrey Juliani

**Third Place**

Medal and Certificate

**Jocelyn J Gutierrez**

Taos Middle School

Title: Clean Bud'

Teacher/Sponsor: Ella M. Rael

**Second Place**

Medal and Certificate

**Olivia S Raymond**

Media Arts Collaborative Charter School

Title: Biological Soil Crust'

Teacher/Sponsor: Vary E Coates

**First Place**

\$50 Cash Award, Medal and Certificate

**Kolton A. Bratzel**

Grants High School

Title: What Types of Harmful Bacteria are Living Under Your Fingernails?'

Teacher/Sponsor: Shelby Alexander

---

**Junior Category: Physics and Astronomy**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Ribbon and Certificate

**Cloe E Godret - Miertschin**

Jefferson Middle School

Title: On the Road to Harvesting Energy'

Teacher/Sponsor: Suzy Dunnum

**Mark M Perini**

Carlsbad Intermediate School

Title: The Perfect Shot'

Teacher/Sponsor: Leah K Olivas

**Liam M Thomas**

AIMS@UNM

Title: Which Athletic Cup is the Most Affective'

Teacher/Sponsor: Alicia Ruch-Flynn

**Third Place**

Medal and Certificate

**Alexia L Munson**

Milan Elementary School

Title: Breaking Telescopes'

Teacher/Sponsor: Kandas Gonzales

**Second Place**

Medal and Certificate

**Olivia D Cole**

Jefferson Middle School

Title: The "Far Out" Spectrum of a Quasar'

Teacher/Sponsor: Suzy Dunnum

**First Place**

\$50 Cash Award, Medal and Certificate

**Phillip L Ionkov**

Los Alamos Middle School

Title: Dark Star'

Teacher/Sponsor: Eva Abeyta

---

**Junior Category: Plant Sciences**Top of Category

---

**Junior Division**

---

**Honorable Mention**

Ribbon and Certificate

**Selma R Baca**

Roy Municipal School

Title: Plant Enhancement with a Zap'

Teacher/Sponsor: Loretta m Overberger

**Jalie L Meadors**

Carlsbad Intermediate School

Title: Pollination Study'

Teacher/Sponsor: Thomas J Langowski

**Third Place**

Medal and Certificate

**Henry P Dryden**

Jefferson Middle School

Title: The Phenology of Native Southwestern Plants'

Teacher/Sponsor: Sherie Pennebaker

**Second Place**

Medal and Certificate

**Nathan L Porter**

Jose Barrios Elementary

Title: The Color of Life'

Teacher/Sponsor: Lynn Lane

**First Place**

\$50 Cash Award, Medal and Certificate

**Melia T Krikorian**

AIMS@UNM

Title: How Does Light Affect the Growth of a Hydroponic Plant?'

Teacher/Sponsor: Alicia Ruch-Flynn

---

**Junior Division, Life Sciences Grand Award**

Highest award given by New Mexico Science and Engineering Fair to a project in the Junior Division in the field of Life Sciences.

---

**Junior Division**

---

**Excellence**

Graphing Calculator, \$100 Cash Award, and subscription to Science News

**Gianna G Nilvo**

Sundance Elementary

Title: The Digestion of Cat Food'

Teacher/Sponsor: Heather Cannon

---

## Junior Division Physical Sciences Grand Award

Highest award given by New Mexico Science and Engineering Fair to a project in the Junior Division in the field of Physical Sciences.

---

### Junior Division

---

#### Excellence

Graphing Calculator, \$100 Cash Award, and subscription to Science News

#### **Milidu N Jayaweera**

Albq. Institute for Math and Science

Teacher/Sponsor: Alicia Ruch-Flynn

Title: Designing a Cognitive Anti-Jamming Communication System with Machine Learning and Reconfig Antennae'