

Klipsch School of Electrical & Computer Engineering, NMSU

AN: 88

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

Up to 6 \$50 gift cards

GN 1

Junior or Senior Division**Recognition**

****TEAM: MEMBERS SPLIT** up to 12 Scholarship Certificates for students if they enroll in the BSEE program
Up to 6 \$50 gift cards

T# 1	Martin A Barnes	Male Grd: 8 Cat: JENGR Exn: 602	PN: 1
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	1
	Title: Handing You The Future'		
T# 2	Sam A Gore	Male Grd: 8 Cat: JENGR Exn: 602	PN: 1
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	2
	Title: Handing You The Future'		
T# 3	Ethan L Heidlebaugh	Male Grd: 8 Cat: JENGR Exn: 602	PN: 1
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	3
	Title: Handing You The Future'		
	Massimo A Lapina	Male Grd: 6 Cat: JENGR Exn: 608	PN: 2
	Jefferson Middle School	Teacher/Sponsor: Steven Kaestner	1
	Title: An Autonomous Arduino Robot'		
	Dominic A Perales	Male Grd: 6 Cat: JENGR Exn: 612	PN: 3
	Sacred Heart Catholic School	Teacher/Sponsor: Jeremy Silvernail	1
	Title: Rocker-Bogie: Differential Arm vs. Gearbox'		
	Violet A Frazier	Female Grd: 8 Cat: JCOMP Exn: 451	PN: 4
	Jefferson Middle School	Teacher/Sponsor: Sherie Pennebaker	1
	Title: Light Up Binary Calculator'		
	Joseph M Espindola	Male Grd: 6 Cat: JENGR Exn: 623	PN: 5
	Prince of Peace Lutheran	Teacher/Sponsor: Jeanne L Hatok	1
	Title: Powered by wind'		
	Hannah Y Kim	Female Grd: 8 Cat: JMATH Exn: 803	PN: 6
	Carlsbad Intermediate School	Teacher/Sponsor: Leah K Olivas	1
	Title: Can Probability Defy Reality?'		

Scientific Paper Competition

AN: 67

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

Junior Division

GN 1

Third Place

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

Emily B Hicks

Female Grd: 7 Cat: JBEH Exn: 202 PN: 3

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski 1

Title: Stressed Out'

Second Place

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

Ksenia L Sevostianov

Female Grd: 6 Cat: JPLANT Exn: 1214 PN: 2

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov 1

Title: CAN RYEGRASS BE GROWN WITHOUT FRESH WATER?'

First Place

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

Karin R Ebey

Female Grd: 8 Cat: JANI Exn: 102 PN: 1

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta 1

Title: A Comparison of Alligator and Crocodile Proportions'

Scientific Paper Competition, AVS Science & Technology Awards

AN: 70

Scientific Paper Competition

GN 1

Junior Division**Second Place**

\$175 Cash Award

Ksenia L Sevostianov

Female Grd: 6 Cat: JPLANT Exn: 1214 PN: 2

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov 1

Title: CAN RYEGRASS BE GROWN WITHOUT FRESH WATER?'

First Place

\$200 Cash Award

Karin R Ebey

Female Grd: 8 Cat: JANI Exn: 102 PN: 1

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta 1

Title: A Comparison of Alligator and Crocodile Proportions'

Teacher Award

\$200 to teacher of 1st place winner

Eva Abeyta(Teacher)

Female Grd: 8 Cat: JANI Exn: 102 PN: 3

Los Alamos Middle School

Student: Karin R Ebey 1

Title: A Comparison of Alligator and Crocodile Proportions'

Teacher Award

\$175 to teacher of 2nd place winner

Igor Sevostianov(Teacher)

Female Grd: 6 Cat: JPLANT Exn: 1214 PN: 4

Sierra Middle School

Student: Ksenia L Sevostianov 1

Title: CAN RYEGRASS BE GROWN WITHOUT FRESH WATER?'

Air and Waste Management Association - Rocky Mountain States Section

AN: 26

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

GN 1

Junior Division**First Place**

Cash Award

Bryce A Shoemaker

Male Grd: 8 Cat: JENGR Exn: 618 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Scott B Wilcox 1

Title: How much solid waste material can be added to concrete and still maintain its strength?'

Albuquerque Chapter of the American Statistical Association AN: 69

Criteria: Best use of statistics in science fair project

 GN 1

Senior Division

Third Place

Cash Award

Karin R Ebey

Female Grd: 8 Cat: JANI Exn: 102 PN: 3

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta 1

Title: A Comparison of Alligator and Crocodile Proportions'

American Chemistry Society - Central New Mexico Local Section AN: 31

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.

 GN 1

Junior Division

Recognition

Cash Award

Isabela G Cenicerros

Female Grd: 8 Cat: JCHEM Exn: 356 PN: 1

Bernalillo Middle School

Teacher/Sponsor: Mary LaRussa 1

Title: Perfect Produce: Canned, Frozen, or Fresh'

 GN 2

Junior or Senior Division

Recognition

Discretionary Award

Michael I Ackman

Male Grd: 8 Cat: JCHEM Exn: 351 PN: 1

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas 1

Title: how powerful can acids be'

American Nuclear Society, Trinity Section AN: 59

For best project related to nuclear science or nuclear engineering.

 GN 1

Junior Division

Recognition

Cash Award

Brooke M Volza

Female Grd: 6 Cat: JENGR Exn: 621 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Reginald Tyler 1

Title: Structural Stability in Skyscrapers'

American Psychological Association

AN: 2

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

Junior or Senior Division

GN 1

Recognition

Certificate

Sofia G. Chavez

Female Grd: 6 Cat: JBEH Exn: 201 PN: 1

Jefferson Middle School

Teacher/Sponsor: Steven Kaestner 1

Title: "Why Did That Hurt?" The Rubber Hand Illusion and the Neuroscience Behind It.'

American Vacuum Society, New Mexico Chapter

AN: 36

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

Junior Division

GN 2

Second Place

Cash Prize

Kyla E King

Female Grd: 8 Cat: JTRAN Exn: 1304 PN: 2

Heights Middle School

Teacher/Sponsor: Robin L Bellah 1

Title: Waste to Watts'

First Place

Cash Prize

McKenna R Collins

Female Grd: 8 Cat: JTRAN Exn: 1302 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Scott B Wilcox 1

Title: Can Cathodes Increase Energy and Retain Safety? Aluminum-Ion Battery'

ASM Materials Education Foundation

AN: 6

Best Materials Engineering Project

Junior or Senior Division

GN 1

Recognition

Certificate

RaeAnn E Carrasco

Female Grd: 7 Cat: JCHEM Exn: 354 PN: 2

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski 1

Title: Pretty Penny'

Association for Women Geoscientists

AN: 7

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

Junior or Senior Division

GN 1

Recognition

Certificate

Lauryn E Volza

Female Grd: 8 Cat: JENVIR Exn: 710 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Scott B Wilcox 1

Title: Effective Erosion Control'

Broadcom MASTERS

AN: 18

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

GN 1

Recognition

Certificate and Packet

Liam O McGee Male Grd: 7 Cat: JTRAN Exn: 1307 PN: 1

Jefferson Middle School Teacher/Sponsor: Suzy Dunnum 1

Title: Building and Testing Solar Powered Water Filters'

Sofia G. Chavez Female Grd: 6 Cat: JBEH Exn: 201 PN: 2

Jefferson Middle School Teacher/Sponsor: Steven Kaestner 1

Title: "Why Did That Hurt?" The Rubber Hand Illusion and the Neuroscience Behind It.'

Isabela G Cenicerros Female Grd: 8 Cat: JCHEM Exn: 356 PN: 3

Bernalillo Middle School Teacher/Sponsor: Mary LaRussa 1

Title: Perfect Produce: Canned, Frozen, or Fresh'

Naveen - Velappan Male Grd: 6 Cat: JCOMP Exn: 454 PN: 4

Chamisa Elementary Teacher/Sponsor: Tammy Hinckley 1

Title: PorterBot – Load Carrying Robot'

Faris I Wald Male Grd: 8 Cat: JEARTH Exn: 507 PN: 5

Capshaw Middle School Teacher/Sponsor: Christy Krenek 1

Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'

Massimo A Lapina Male Grd: 6 Cat: JENGR Exn: 608 PN: 6

Jefferson Middle School Teacher/Sponsor: Steven Kaestner 1

Title: An Autonomous Arduino Robot'

Calvin K. Succi Male Grd: 7 Cat: JENVIR Exn: 709 PN: 7

Albq. Institute for Math and Science Teacher/Sponsor: Reginald Tyler 1

Title: How Green Is Your Garbage?'

Sonja M Ebay Female Grd: 6 Cat: JMATH Exn: 801 PN: 8

Mountain Elementary Teacher/Sponsor: Michele Altherr 1

Title: Prime Patterns'

Lane A Clavel Male Grd: 7 Cat: JMED-H Exn: 902 PN: 9

Roy Municipal School Teacher/Sponsor: Loretta m Overberger 1

Title: Heavy Metal On The Rice'

Adriana C King Female Grd: 6 Cat: JMICRO Exn: 1006 PN: 10

Heights Middle School Teacher/Sponsor: Robin L Bellah 1

Title: Germs B Gone II- Natural vs Toxic'

Cloe E Godret- Miertschin Female Grd: 6 Cat: JPHY Exn: 1106 PN: 11

Jefferson Middle School Teacher/Sponsor: Steven Kaestner 1

Title: Exploring Common Lubricants'

	Lauryn I Garcia Bullinger	Female Grd: 7 Cat: JANI Exn: 104	PN: 12
	Jefferson Middle School	Teacher/Sponsor: Suzy Dunnum	1
	Title: The Effects of Acupressure Point Manipulation on Canines with Anxiety'		
	Mckayla T Gilbert	Female Grd: 8 Cat: JPLANT Exn: 1207	PN: 13
	Hermosa Middle School	Teacher/Sponsor: Cindy Colomb	1
	Title: Metallic Corn'		
	Riley J Clavel	Female Grd: 8 Cat: JENVIR Exn: 701	PN: 14
	Roy Municipal School	Teacher/Sponsor: Loretta m Overberger	1
	Title: Scarred for Life?'		
T# 1	Chantelle B Simpson	Female Grd: 6 Cat: JMICRO Exn: 1011	PN: 15
	Dora High School	Teacher/Sponsor: Laura Wilbanks	1
	Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'		
T# 2	Bryson Paxton	Male Grd: 6 Cat: JMICRO Exn: 1011	PN: 15
	Dora High School	Teacher/Sponsor: Laura Wilbanks	2
	Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'		
	Micah R Lightfoot	Female Grd: 7 Cat: JPLANT Exn: 1210	PN: 16
	Roy Municipal School	Teacher/Sponsor: Loretta m Overberger	1
	Title: Apex Meristem Hastened'		
	Kyla E King	Female Grd: 8 Cat: JTRAN Exn: 1304	PN: 17
	Heights Middle School	Teacher/Sponsor: Robin L Bellah	1
	Title: Waste to Watts'		
T# 1	Quinn P Hayden	Male Grd: 7 Cat: JTRAN Exn: 1314	PN: 18
	Desert Springs Christian Academy	Teacher/Sponsor: Don Lytton	1
	Title: Wind For The Win'		
T# 2	Nathan C Hoxworth	Male Grd: 7 Cat: JTRAN Exn: 1314	PN: 18
	Desert Springs Christian Academy	Teacher/Sponsor: Don Lytton	2
	Title: Wind For The Win'		

Climate Change New Mexico AN: 80
Outstanding project related to climate change

GN 1

Junior Division

Recognition

Cash prize and Certification

Ksenia L Sevostianov	Female Grd: 6 Cat: JPLANT Exn: 1214	PN: 1
Sierra Middle School	Teacher/Sponsor: Igor Sevostianov	1
Title: CAN RYEGRASS BE GROWN WITHOUT FRESH WATER?'		

Coalition for Excellence in Science and Math Education (CESE)

AN: 56

For a recognition of thought and effort that goes into procuding a successful project.

GN 1

Junior or Senior Division**Recognition**

**TEAM: MEMBERS SPLIT Cash Award and Letter

- T# 1 Heather D Wheeler** Female Grd: 8 Cat: JMED-H Exn: 917 PN: 1
 Tse'Bit'ai Middle School Teacher/Sponsor: Amy J John 1
 Title: Are Your Hands Really Clean? Commercial Vs. Natural'
- T# 2 Dalaney N Washburn** Female Grd: 8 Cat: JMED-H Exn: 917 PN: 1
 Tse'Bit'ai Middle School Teacher/Sponsor: Amy J John 2
 Title: Are Your Hands Really Clean? Commercial Vs. Natural'

David K. Shortess Award

AN: 22

Project exhibiting outstanding quality in logic and clarity of presentation.

GN 1

Junior or Senior Division**Recognition**

**TEAM: EACH MEMBER RECEIVES Plaque

- T# 1 Chantelle B Simpson** Female Grd: 6 Cat: JMICRO Exn: 1011 PN: 1
 Dora High School Teacher/Sponsor: Laura Wilbanks 1
 Title: The Use Of Essential Oils and A Bioengeered Surface Pattern for Fighting
 Bacterial Infections'
- T# 2 Bryson Paxton** Male Grd: 6 Cat: JMICRO Exn: 1011 PN: 1
 Dora High School Teacher/Sponsor: Laura Wilbanks 2
 Title: The Use Of Essential Oils and A Bioengeered Surface Pattern for Fighting
 Bacterial Infections'

"Excellence in Geoscience" Award

AN: 37

Given to research projects within the broad area of geoscience and whose execution of the research demonsrates scholarship, creativity and thoroughness.

GN 1

Junior Division**Recognition**

Cash Award and Certificate

- Faris I Wald** Male Grd: 8 Cat: JEARTH Exn: 507 PN: 1
 Capshaw Middle School Teacher/Sponsor: Christy Krenek 1
 Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of
 Tropical Cyclones'

John Harty Award

AN: 23

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

Junior or Senior Division

GN 1

Recognition

**TEAM: EACH MEMBER RECEIVES Plaque

- T# 1 **Quinn P Hayden** Male Grd: 7 Cat: JTRAN Exn: 1314 PN: 1
 Desert Springs Christian Academy Teacher/Sponsor: Don Lytton 1
 Title: Wind For The Win'
- T# 2 **Nathan C Hoxworth** Male Grd: 7 Cat: JTRAN Exn: 1314 PN: 1
 Desert Springs Christian Academy Teacher/Sponsor: Don Lytton 2
 Title: Wind For The Win'

NASA Earth System Science Award

AN: 11

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

Junior or Senior Division

GN 1

Recognition

Certificate

- Faris I Wald Male Grd: 8 Cat: JEARTH Exn: 507 PN: 1
 Capshaw Middle School Teacher/Sponsor: Christy Krenek 1
 Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'

Taking the Pulse of the Planet Award

AN: 12

Recognized for a research project that emphasizes NOAA related science.

Junior or Senior Division

GN 1

Recognition

Letter of Congratulations, Award Certificate, and NOAA medallion

- Faris I Wald Male Grd: 8 Cat: JEARTH Exn: 507 PN: 1
 Capshaw Middle School Teacher/Sponsor: Christy Krenek 1
 Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'

Naval Science Award Program

AN: 3

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

Junior Division

GN 2

Recognition

Certificate of Achievement, Letter of Congratulations, and Medallion

Micah R Lightfoot

Female Grd: 7 Cat: JPLANT Exn: 1210 PN: 1

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger 1

Title: Apex Meristem Hastened'

T# 1 Chantelle B Simpson

Female Grd: 6 Cat: JMICRO Exn: 1011 PN: 2

Dora High School

Teacher/Sponsor: Laura Wilbanks 1

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

T# 2 Bryson Paxton

Male Grd: 6 Cat: JMICRO Exn: 1011 PN: 2

Dora High School

Teacher/Sponsor: Laura Wilbanks 2

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

Riley J Clavel

Female Grd: 8 Cat: JENVIR Exn: 701 PN: 3

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger 1

Title: Scarred for Life?'

Faris I Wald

Male Grd: 8 Cat: JEARTH Exn: 507 PN: 4

Capshaw Middle School

Teacher/Sponsor: Christy Krenek 1

Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'

New Mexico Network for Women in Science and Engineering

AN: 38

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.

GN 1

Junior or Senior Division**Recognition**

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

Isabela G Cenicerros Female Grd: 8 Cat: JCHEM Exn: 356 PN: 1

Bernalillo Middle School Teacher/Sponsor: Mary LaRussa 1

Title: Perfect Produce: Canned, Frozen, or Fresh'

Hannah Y Kim Female Grd: 8 Cat: JMATH Exn: 803 PN: 2

Carlsbad Intermediate School Teacher/Sponsor: Leah K Olivas 1

Title: Can Probability Defy Reality?'

Angelina J Espindola Female Grd: 8 Cat: JMICRO Exn: 1004 PN: 3

Prince of Peace Lutheran Teacher/Sponsor: Teresa M Espindola 1

Title: Do Minerals Enhance Herbs?'

Halle N Barney Female Grd: 7 Cat: JENGR Exn: 603 PN: 9

Carlsbad Intermediate School Teacher/Sponsor: Thomas J Langowski 1

Title: Magnets in Motion'

Suzanne R Eisenberg Female Grd: 8 Cat: JPHY Exn: 1105 PN: 10

Media Arts Collaborative Charter School Teacher/Sponsor: Vary E Coates 1

Title: How Does Aperture Size Affect Photo Quality?'

GN 2

Junior or Senior Division**Honorable Mention**

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

Mckayla T Gilbert Female Grd: 8 Cat: JPLANT Exn: 1207 PN: 3

Hermosa Middle School Teacher/Sponsor: Cindy Colomb 1

Title: Metallic Corn'

Kyla E King Female Grd: 8 Cat: JTRAN Exn: 1304 PN: 4

Heights Middle School Teacher/Sponsor: Robin L Bellah 1

Title: Waste to Watts'

New Mexico Optometric Association

AN: 4

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

GN 2

Junior Division**Honorable Mention**

**TEAM: EACH MEMBER RECEIVES Certificates

- T# 1 Heather D Wheeler** Female Grd: 8 Cat: JMED-H Exn: 917 PN: 4
 Tse'Bit'ai Middle School Teacher/Sponsor: Amy J John 1
 Title: Are Your Hands Really Clean? Commercial Vs. Natural'
- T# 2 Dalaney N Washburn** Female Grd: 8 Cat: JMED-H Exn: 917 PN: 4
 Tse'Bit'ai Middle School Teacher/Sponsor: Amy J John 2
 Title: Are Your Hands Really Clean? Commercial Vs. Natural'
- Safa K Kassem** Female Grd: 8 Cat: JBEH Exn: 203 PN: 5
 Salam Academy Teacher/Sponsor: Aamna Nayyar 1
 Title: Visuals or Writing? Which Produces a Better Response'

Third Place

Cash Prize and Certificates

- Ciara R Murphy** Female Grd: 8 Cat: JMED-H Exn: 911 PN: 3
 Taos Middle School Teacher/Sponsor: Ella M. Rael 1
 Title: Nature's Hand Sanitizer'

Second Place

Cash Prize and Certificates

- Cruz J Otto** Male Grd: 6 Cat: JMED-H Exn: 912 PN: 2
 Carlsbad 6th Grade Academy Teacher/Sponsor: Rebecca L Hicks 1
 Title: What Affect do Zero Calorie Sweeteners Have on Diabetics Blood Sugar'

First Place

Cash Prize and Certificates

- Anna L Batista** Female Grd: 7 Cat: JPHY Exn: 1102 PN: 1
 Los Alamos Middle School Teacher/Sponsor: Eva Abeyta 1
 Title: How Light Behaves When It Goes Through Different Media'

New Mexico Science Teachers Association

AN: 28

To an educator that deserves an award for their hard work and dedication.

GN 1

Junior Division**Teacher Award**

Cash Award

- T# 1 Laura Wilbanks(Teacher)** Female Grd: 6 Cat: JMICRO Exn: 1011 PN: 1
 Dora High School Student: Chantelle B Simpson 1
 Title: The Use Of Essential Oils and A Bioengeered Surface Pattern for Fighting Bacterial Infections'

New Mexico Solar Energy Association

AN: 34

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

GN 1

Junior Division**Third Place**

\$35 Cash Award

Ryan S Helmer

Female Grd: 8 Cat: JPHY Exn: 1108

PN: 3

Jefferson Montessori Academy

Teacher/Sponsor: Kerrie Thatcher

1

Title: The Burning Mirror of Archimedes'

Second Place

\$50 Cash Award

Asa A White

Male Grd: 8 Cat: JENVIR Exn: 711

PN: 2

Tibbetts Middle School

Teacher/Sponsor: Cindy Lanier

1

Title: Heat Exchanger vs Open Circuit'

First Place

\$75 Cash Award

Daniel L Kupcho

Male Grd: 6 Cat: JTRAN Exn: 1305

PN: 1

Santa Nino Regional Catholic School

Teacher/Sponsor: Teri Gallegos-Reynolds

1

Title: Solar Panel Array Costs and Energy-Efficient Home Design'

Ricoh Sustainable Development Award

AN: 13

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

GN 1

Junior or Senior Division**Recognition**

Certificate

Liam O McGee

Male Grd: 7 Cat: JTRAN Exn: 1307

PN: 1

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

1

Title: Building and Testing Solar Powered Water Filters'

Rocky Mountain Water Environment Association

AN: 66

Projects related to the field of water/wastewater resources.

GN 1

Junior Division**Second Place**

\$200 Cash Award

Lindsey J Dunbar

Female Grd: 7 Cat: JENVIR Exn: 704 PN: 2

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum 1

Title: Super Plants! Can We Use Plants to Clean the Gold King Mine Spill?'

First Place

\$400 Cash Award

owen s donovan

Male Grd: 8 Cat: JENVIR Exn: 703 PN: 1

Anansi Charter School

Teacher/Sponsor: Kaila Dickey 1

Title: Hipster Universe'

Southwestern New Mexico SME

AN: 5

Best Project in Engineering and/or Earth Sciences Categories

GN 2

Junior Division**Recognition**

Cash Prize

Bryce A Shoemaker

Male Grd: 8 Cat: JENGR Exn: 618 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Scott B Wilcox 1

Title: How much solid waste material can be added to concrete and still maintain its strength?'

Vannetta Perry Award

AN: 25

Project which best exemplifies the love of scientific exploration.

GN 1

Junior or Senior Division**Recognition**

**TEAM: EACH MEMBER RECEIVES Plaque

T# 1 Chantelle B Simpson

Female Grd: 6 Cat: JMICRO Exn: 1011 PN: 1

Dora High School

Teacher/Sponsor: Laura Wilbanks 1

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

T# 2 Bryson Paxton

Male Grd: 6 Cat: JMICRO Exn: 1011 PN: 1

Dora High School

Teacher/Sponsor: Laura Wilbanks 2

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

Junior Category: Animal Sciences

AN: 40

Top of Category

Junior Division

GN 1

Third Place

Medal and Certificate

Kelly A Tonrey

Female Grd: 8 Cat: JANI Exn: 110

PN: 3

Taos Middle School

Teacher/Sponsor: Ella M. Rael

1

Title: Zombie Worms'

Second Place

**TEAM: EACH MEMBER RECEIVES Medal and Certificate

T# 1 Hudson K Padgett

Male Grd: 6 Cat: JANI Exn: 106

PN: 2

Dora High School

Teacher/Sponsor: Laura Wilbanks

1

Title: Evaluating the Diets of Bobwhite and Scaled Quail in Southeastern New Mexico'

T# 2 Mason Pritchett

Male Grd: 6 Cat: JANI Exn: 106

PN: 2

Dora High School

Teacher/Sponsor: Laura Wilbanks

2

Title: Evaluating the Diets of Bobwhite and Scaled Quail in Southeastern New Mexico'

First Place

\$50 Cash Award, Medal, Certificate

Lauryn I Garcia Bullinger

Female Grd: 7 Cat: JANI Exn: 104

PN: 1

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum

1

Title: The Effects of Acupressure Point Manipulation on Canines with Anxiety'

Junior Category: Behavioral and Social Sciences

AN: 39

Top of Category

GN 1

Junior Division**Honorable Mention**

Certificate and Ribbon

Emily B Hicks

Female Grd: 7 Cat: JBEH Exn: 202 PN: 4

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski 1

Title: Stressed Out'

Yunseo - Kim

Female Grd: 6 Cat: JBEH Exn: 204 PN: 5

Mountain Elementary

Teacher/Sponsor: Michele Altherr 1

Title: 5 Star Effect'

Joseph DK McGinnis

Male Grd: 8 Cat: JBEH Exn: 206 PN: 6

Red Mountain Middle School

Teacher/Sponsor: Guyla Miller 1

Title: Tower Power'

Third Place

Medal and certificate

Bijan I Tabrizian

Male Grd: 8 Cat: JBEH Exn: 209 PN: 3

Cleveland Middle School

Teacher/Sponsor: Sonja Stiefel 1

Title: Comparing the Exhibition of Placebo in Children of Different Ages Through Water Tasting'

Second Place

Medal and certificate

Memphis C. Lawson

Male Grd: 6 Cat: JBEH Exn: 205 PN: 2

Lovington Sixth Grade Academy

Teacher/Sponsor: Thresa Benson 1

Title: No Pain, Lots of Game'

First Place

\$50 Cash Award, medal, and certificate

Sofia G. Chavez

Female Grd: 6 Cat: JBEH Exn: 201 PN: 1

Jefferson Middle School

Teacher/Sponsor: Steven Kaestner 1

Title: "Why Did That Hurt?" The Rubber Hand Illusion and the Neuroscience Behind It.'

Junior Category: Chemistry

AN: 42

Top of Category

GN 1

Junior Division**Honorable Mention**

Certificate and Ribbon

Michael I Ackman

Male Grd: 8 Cat: JCHEM Exn: 351 PN: 4

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas 1

Title: how powerful can acids be'

Aidan J Fitzgerald

Male Grd: 7 Cat: JCHEM Exn: 357 PN: 5

AIMS@UNM

Teacher/Sponsor: Beverly Miller 1

Title: Improving the Electroplating Process'

Laila S Ruiz

Female Grd: 8 Cat: JCHEM Exn: 362 PN: 6

Hoover Middle School

Teacher/Sponsor: Levon Lytle 1

Title: The True Colors of Grape Soda'

Third Place

Medal and Certificate

Jackson IH Swift

Male Grd: 8 Cat: JCHEM Exn: 366 PN: 3

Portales Junior High School

Teacher/Sponsor: Laura J DeBusk 1

Title: "What's The Charge, Officer?"

Second Place

Medal and certificate

Henry L Pontzer

Male Grd: 6 Cat: JCHEM Exn: 360 PN: 2

Jefferson Middle School

Teacher/Sponsor: Steven Kaestner 1

Title: The Effect of Paper Membranes on Acid-Base Reactions'

First Place

\$50 Cash Prize, Medal and Certificate

Isabela G Cenicerros

Female Grd: 8 Cat: JCHEM Exn: 356 PN: 1

Bernalillo Middle School

Teacher/Sponsor: Mary LaRussa 1

Title: Perfect Produce: Canned, Frozen, or Fresh'

Junior Category: Computer Science

AN: 43

Top of Category

GN 1

Junior Division**Honorable Mention**

Certificate and Ribbon

Violet A Frazier

Female Grd: 8 Cat: JCOMP Exn: 451 PN: 4

Jefferson Middle School

Teacher/Sponsor: Sherie Pennebaker 1

Title: Light Up Binary Calculator'

Third Place

Medal and Certificate

Jaden T Hicks

Male Grd: 8 Cat: JCOMP Exn: 452 PN: 3

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas 1

Title: Name That Author'

Second Place

Medal and Certificate

Phillip L Ionkov

Male Grd: 7 Cat: JCOMP Exn: 453 PN: 2

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta 1

Title: 3-D Mapping'

First Place

\$50 Cash Prize, Medal and Certificate

Naveen - Velappan

Male Grd: 6 Cat: JCOMP Exn: 454 PN: 1

Chamisa Elementary

Teacher/Sponsor: Tammy Hinckley 1

Title: PorterBot – Load Carrying Robot'

Junior Category: Earth Sciences

AN: 44

Top of Category

GN 1

Junior Division

Honorable Mention

Certificate and Ribbon

caddo c turney

Male Grd: 8 Cat: JEARTH Exn: 506 PN: 4

Ramah High School

Teacher/Sponsor: Robert Cushman 1

Title: Stopping Erosion'

Christina M Robertson

Female Grd: 7 Cat: JEARTH Exn: 505 PN: 5

Carlsbad Intermediate School

Teacher/Sponsor: Thomas J Langowski 1

Title: Which diet will be composted the most?'

Heng - Li

Female Grd: 6 Cat: JEARTH Exn: 503 PN: 6

Sierra Middle School

Teacher/Sponsor: Jennifer M Pape 1

Title: Shaking for Suds'

Third Place

Certificate and Medal

Jessen A Accountius

Male Grd: 7 Cat: JEARTH Exn: 501 PN: 3

Tibbetts Middle School

Teacher/Sponsor: Cindy Lanier 1

Title: Just a Matter of Degrees'

Second Place

Certificate and Medal

Caitlyn M Birkby

Female Grd: 6 Cat: JEARTH Exn: 502 PN: 2

Mesa View Middle School

Teacher/Sponsor: Lacey Fitzgerald 1

Title: Removing CL from H2O'

First Place

\$50 Cash Prize

Faris I Wald

Male Grd: 8 Cat: JEARTH Exn: 507 PN: 1

Capshaw Middle School

Teacher/Sponsor: Christy Krenek 1

Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'

Junior Category: Energy and Transportation

AN: 45

Top of Category

GN 1

Junior Division**Honorable Mention**

**TEAM: EACH MEMBER RECEIVES Certificate and Ribbon

T# 1 Quinn P Hayden	Male Grd: 7 Cat: JTRAN Exn: 1314	PN: 4
Desert Springs Christian Academy	Teacher/Sponsor: Don Lytton	1
Title: Wind For The Win'		
T# 2 Nathan C Hoxworth	Male Grd: 7 Cat: JTRAN Exn: 1314	PN: 4
Desert Springs Christian Academy	Teacher/Sponsor: Don Lytton	2
Title: Wind For The Win'		
Alexander J Vasquez	Male Grd: 6 Cat: JTRAN Exn: 1313	PN: 5
Carlsbad 6th Grade Academy	Teacher/Sponsor: Rebecca L Hicks	1
Title: The Amazing Infinity Mirror'		
Melanie N Jurado	Female Grd: 7 Cat: JTRAN Exn: 1301	PN: 6
Red Mountain Middle School	Teacher/Sponsor: eduardo garcia	1
Title: Expanding Gummy Bears '		

Third Place

Certificate and Medal

McKenna R Collins	Female Grd: 8 Cat: JTRAN Exn: 1302	PN: 3
Albq. Institute for Math and Science	Teacher/Sponsor: Scott B Wilcox	1
Title: Can Cathodes Increase Energy and Retain Safety? Aluminum-Ion Battery'		

Second Place

Certificate and Medal

Jacob J Hausner	Male Grd: 8 Cat: JTRAN Exn: 1303	PN: 2
Jefferson Middle School	Teacher/Sponsor: Sherie Pennebaker	1
Title: Hovercraft: the Floating Vehicle'		

First Place

\$50 Cash Award, Medal and Certificate

Liam O McGee	Male Grd: 7 Cat: JTRAN Exn: 1307	PN: 1
Jefferson Middle School	Teacher/Sponsor: Suzy Dunnum	1
Title: Building and Testing Solar Powered Water Filters'		

Junior Category: Engineering

AN: 47

Top of Category

Junior Division

GN 1

Honorable Mention

**TEAM: MEMBERS SPLIT Certificate and Ribbon

T# 1	Martin A Barnes	Male Grd: 8 Cat: JENGR Exn: 602	PN: 4
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	1
	Title: Handing You The Future'		
T# 2	Sam A Gore	Male Grd: 8 Cat: JENGR Exn: 602	PN: 4
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	2
	Title: Handing You The Future'		
T# 3	Ethan L Heidlebaugh	Male Grd: 8 Cat: JENGR Exn: 602	PN: 4
	Portales Junior High School	Teacher/Sponsor: Laura J DeBusk	3
	Title: Handing You The Future'		
	Brian T Dors	Male Grd: 6 Cat: JENGR Exn: 604	PN: 5
	Aspen Elementary	Teacher/Sponsor: Heather Coy	1
	Title: Design Efficiency of Water Wheel Blades'		
	Gabriela S Garcia	Female Grd: 8 Cat: JENGR Exn: 605	PN: 6
	St. Mary School	Teacher/Sponsor: Jeanean P Mader	1
	Title: The Load Bearing Capacity of Soil'		
	Third Place		
	Medal and Certificate		
	Bryan G Hilton	Male Grd: 8 Cat: JENGR Exn: 607	PN: 3
	Hermosa Middle School	Teacher/Sponsor: Cindy Colomb	1
	Title: DC Electric Motor Efficiency'		
	Second Place		
	Medal and Certificate		
	Bryce A Shoemaker	Male Grd: 8 Cat: JENGR Exn: 618	PN: 2
	Albq. Institute for Math and Science	Teacher/Sponsor: Scott B Wilcox	1
	Title: How much solid waste material can be added to concrete and still maintain its strength?'		
	First Place		
	\$50 Cash Award, Medal and Certificate		
	Massimo A Lapina	Male Grd: 6 Cat: JENGR Exn: 608	PN: 1
	Jefferson Middle School	Teacher/Sponsor: Steven Kaestner	1
	Title: An Autonomous Arduino Robot'		

Junior Category: Environmental Sciences

AN: 46

Top of Category

GN 1

Junior Division**Honorable Mention**

Certificate and Ribbon

Lauryn E Volza

Female Grd: 8 Cat: JENVIR Exn: 710 PN: 4

Albq. Institute for Math and Science

Teacher/Sponsor: Scott B Wilcox 1

Title: Effective Erosion Control'

Third Place

Medal and Certificate

Lindsey J Dunbar

Female Grd: 7 Cat: JENVIR Exn: 704 PN: 3

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum 1

Title: Super Plants! Can We Use Plants to Clean the Gold King Mine Spill?'

Second Place

Medal and Certificate

Riley J Clavel

Female Grd: 8 Cat: JENVIR Exn: 701 PN: 2

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger 1

Title: Scarred for Life?'

First Place

\$50 Cash Award, Medal, and Certificate

Calvin K. Succi

Male Grd: 7 Cat: JENVIR Exn: 709 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Reginald Tyler 1

Title: How Green Is Your Garbage?'

Junior Category: Mathematical Sciences

AN: 48

Top of Category

GN 1

Junior Division**Honorable Mention**

Ribbon and Certificate

Hannah Y Kim

Female Grd: 8 Cat: JMATH Exn: 803 PN: 5

Carlsbad Intermediate School

Teacher/Sponsor: Leah K Olivas 1

Title: Can Probability Defy Reality?'

Third Place

Medal and Certificate

Kaya A Perce

Female Grd: 7 Cat: JMATH Exn: 804 PN: 4

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum 1

Title: To Phi or Not to Phi: A Project Exploring the Presence of Phi in Modern Beauty'

Second Place

Medal and Certificate

Reuben W Goettee

Male Grd: 7 Cat: JMATH Exn: 802 PN: 3

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta 1

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

First Place

\$50 Cash Award, Medal, and Certificate

Sonja M Ebey

Female Grd: 6 Cat: JMATH Exn: 801 PN: 2

Mountain Elementary

Teacher/Sponsor: Michele Altherr 1

Title: Prime Patterns'

Junior Category: Medicine & Health Sciences

AN: 49

Top of Category

GN 1

Junior Division**Honorable Mention**

Ribbon and Certificate

Milidu N Jayaweera

Male Grd: 7 Cat: JMED-H Exn: 907 PN: 4

Albq. Institute for Math and Science

Teacher/Sponsor: Beverly Miller 1

Title: Are Organic Foods Worth the Price?'

Darya M Mosallaei

Female Grd: 8 Cat: JMED-H Exn: 910 PN: 5

Salam Academy

Teacher/Sponsor: Aamna Nayyar 1

Title: Are Over-the-Counter Medications or Herbal Remedies More Effective at Fighting Fungal Infections'

Third Place

Medal and Certificate

Elena E Valdez

Female Grd: 6 Cat: JMED-H Exn: 916 PN: 3

St. Mary School

Teacher/Sponsor: Jeanean P Mader 1

Title: Which Fruit Has the Most Vitamin C?'

Second Place

Medal and Certificate

Trey L Jones

Male Grd: 6 Cat: JMED-H Exn: 908 PN: 2

Hermosa Middle School

Teacher/Sponsor: Cindy Colomb 1

Title: Incidence Of Coring During Medication Draw'

First Place

\$50 Cash Award, Medal, and Certificate

Lane A Clavel

Male Grd: 7 Cat: JMED-H Exn: 902 PN: 1

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger 1

Title: Heavy Metal On The Rice'

Junior Category: Microbiology

AN: 50

Top of Category

GN 1

Junior Division**Honorable Mention**

Ribbon and Certificate

Elan Z Landau

Male Grd: 7 Cat: JMICRO Exn: 1007 PN: 4

AIMS@UNM

Teacher/Sponsor: Beverly Miller 1

Title: What Tea Grows The Biggest SCOBY?'

Abdul R Khweis

Male Grd: 8 Cat: JMICRO Exn: 1005 PN: 5

Taos Middle School

Teacher/Sponsor: Ella M. Rael 1

Title: The Hidden Dangers of GMO?'

Third Place

**TEAM: EACH MEMBER RECEIVES Medal and Certificate

T# 1 Chantelle B Simpson

Female Grd: 6 Cat: JMICRO Exn: 1011 PN: 3

Dora High School

Teacher/Sponsor: Laura Wilbanks 1

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

T# 2 Bryson Paxton

Male Grd: 6 Cat: JMICRO Exn: 1011 PN: 3

Dora High School

Teacher/Sponsor: Laura Wilbanks 2

Title: The Use Of Essential Oils and A Bioengineered Surface Pattern for Fighting Bacterial Infections'

Second Place

Medal and Certificate

Angelina J Espindola

Female Grd: 8 Cat: JMICRO Exn: 1004 PN: 2

Prince of Peace Lutheran

Teacher/Sponsor: Teresa M Espindola 1

Title: Do Minerals Enhance Herbs?'

First Place

\$50 Cash Award, Medal and Certificate

Adriana C King

Female Grd: 6 Cat: JMICRO Exn: 1006 PN: 1

Heights Middle School

Teacher/Sponsor: Robin L Bellah 1

Title: Germs B Gone II- Natural vs Toxic'

Junior Category: Physics and Astronomy

AN: 51

Top of Category

GN: 1

Junior Division**Honorable Mention**

Ribbon and Certificate

Suzanne R Eisenberg

Female Grd: 8 Cat: JPHY Exn: 1105

PN: 4

Media Arts Collaborative Charter School

Teacher/Sponsor: Vary E Coates

1

Title: How Does Aperture Size Affect Photo Quality?'

Lindsey L Klem

Female Grd: 8 Cat: JPHY Exn: 1109

PN: 5

Annunciation Catholic School

Teacher/Sponsor: Chris Spurlin

1

Title: Can You Hear the Ocean?'

Third Place

Medal and Certificate

Anna L Batista

Female Grd: 7 Cat: JPHY Exn: 1102

PN: 3

Los Alamos Middle School

Teacher/Sponsor: Eva Abeyta

1

Title: How Light Behaves When It Goes Through Different Media'

Second Place

Medal and Certificate

Ryan S Helmer

Female Grd: 8 Cat: JPHY Exn: 1108

PN: 2

Jefferson Montessori Academy

Teacher/Sponsor: Kerrie Thatcher

1

Title: The Burning Mirror of Archimedes'

First Place

\$50 Cash Award, Medal and Certificate

Cloe E Godret- Miertschin

Female Grd: 6 Cat: JPHY Exn: 1106

PN: 1

Jefferson Middle School

Teacher/Sponsor: Steven Kaestner

1

Title: Exploring Common Lubricants'

Junior Category: Plant Sciences

AN: 52

Top of Category

GN 1

Junior Division**Honorable Mention**

Ribbon and Certificate

Henry P Dryden

Male Grd: 7 Cat: JPLANT Exn: 1205 PN: 4

Jefferson Middle School

Teacher/Sponsor: Suzy Dunnum 1

Title: Salt Cedar vs. Cottonwood: A Soil Fight for the Bosque'

Thomas S Bestelmeyer

Male Grd: 6 Cat: JPLANT Exn: 1201 PN: 5

Sierra Middle School

Teacher/Sponsor: Jennifer M Pape 1

Title: Can Natural Preservatives Prevent Fruit From Molding?'

Third Place

Medal and Certificate

Ksenia L Sevostianov

Female Grd: 6 Cat: JPLANT Exn: 1214 PN: 3

Sierra Middle School

Teacher/Sponsor: Igor Sevostianov 1

Title: CAN RYEGRASS BE GROWN WITHOUT FRESH WATER?'

Second Place

Medal and Certificate

Micah R Lightfoot

Female Grd: 7 Cat: JPLANT Exn: 1210 PN: 2

Roy Municipal School

Teacher/Sponsor: Loretta m Overberger 1

Title: Apex Meristem Hastened'

First Place

\$50 Cash Award, Medal and Certificate

Mckayla T Gilbert

Female Grd: 8 Cat: JPLANT Exn: 1207 PN: 1

Hermosa Middle School

Teacher/Sponsor: Cindy Colomb 1

Title: Metallic Corn'

Junior Division, Life Sciences Grand Award

AN: 53

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

GN 1

Junior Division**Excellence**

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

Calvin K. Succi

Male Grd: 7 Cat: JENVIR Exn: 709 PN: 1

Albq. Institute for Math and Science

Teacher/Sponsor: Reginald Tyler 1

Title: How Green Is Your Garbage?'

Junior Division Physical Sciences Grand Award

AN: 54

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

GN 1

Excellence

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

Faris I Wald

Male Grd: 8 Cat: JEARTH Exn: 507

PN: 1

Capshaw Middle School

Teacher/Sponsor: Christy Krenek

1

Title: The Correlation Between Solar Coronal Hole Occurrences and the Formation of Tropical Cyclones'