Junior Animal Sciences, Cellular and Molecular Biology

<u> Honorable</u>	Mention	

Esperanza Herrera JR-ASCMB-11 Faster Running Gels Taos Middle School

Iris Huang JR-ASCMB-1 A Study in New Mexican Endangered and Threatened Albuquerque Academy

Animal Species

NASA EARTH System Science Award

Third Place

Max Berger JR-ASCMB-1 Chickens and Robots: How Will They Interact Albuquerque Academy

C02 & Greenhouse Gas Reduction

Max Berger JR-ASCMB-1 Chickens and Robots: How Will They Interact Albuquerque Academy

Thermo Fisher

Felix Gray JR-ASCMB-1 Chickens and Robots: How Will They Interact Albuquerque Academy

C02 & Greenhouse Gas Reduction

Felix Gray JR-ASCMB-1 Chickens and Robots: How Will They Interact Albuquerque Academy

Thermo Fisher

Second Place

Caroline Aldrich JR-ASCMB-1 Voices in the Air: From Syrinx to Symphony Holy Child Catholic School

ASM International - Los Alamos Chapter

Caroline Aldrich JR-ASCMB-1 Voices in the Air: From Syrinx to Symphony Holy Child Catholic School

New Mexico Network for Women in Science & Engineering

First Place

Rylee Sanchez JR-ASCMB-11 Protein Powered Cows MILAN ELEMENTARY

ASM International - Los Alamos Chapter

Rylee Sanchez JR-ASCMB-1 Protein Powered Cows MILAN ELEMENTARY

C02 & Greenhouse Gas Reduction

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Junior Behavioral and Social Sciences

Irie Dodge	JR-BEHA-203	The Stroop Effect: How it affects people	St Bonaventure School
Bennett Weber C02 & Greenhouse	JR-BEHA-201 e Gas Reduction	How Does Caffeine Affect Typing Speed and Accuracy?	TSE'BIT'AI MIDDLE
Bennett Weber Thermo Fisher	JR-BEHA-201	How Does Caffeine Affect Typing Speed and Accuracy?	TSE'BIT'AI MIDDLE

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Honorable Mention

Haley Vincent JR-BEHA-206 The Affect of Natural Vs. Artificial Lighting on Humans Albuquerque Institute of Math & Science Preforming Skills.

American Psychological Association & Teachers of Psychology in Secondary

Second Place			
Santiago Del Curto	JR-BEHA-207	Food for Thought	St. Thomas Aguinas School

Vanetta Perry

First Place			
Celeste Hunter	JR-BEHA-204	The Rested and Restless	LOS ALAMITOS MIDDLE

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Junior Biomedical and Health Sciences

JR-BMED -30

Emma Munson

NMJAS Paper Competition

Planaria and Weight Loss Drugs (GLP-1s)

Honorable Ment	JR-BMED -30	Scrub those hands	MOUNT TAYLOR ELEMENTARY
	se Gas Reduction		MOUNT TATLOR ELEMENTARY
COZ & GICCIIIOG	se das reduction		
Emma Baca	JR-BMED -30	Scrub those hands	MOUNT TAYLOR ELEMENTARY
Thermo Fisher			
Javier Chacon	JR-BMED -30	Waxidermy	LOS ALAMOS MIDDLE
ASM Internation	al - Los Alamos Cl	hapter	
Brandon Keller	JR-BMED -30	Waxidermy	LOS ALAMOS MIDDLE
	al - Los Alamos Cl	•	
Autuma Nauran	JR-BMED -30	Universities Tabella region A Commonwhite Chiedra on Majerturina	Eisenhower Middle School
Autumn Nguyen	ON DIVIED OF	Unveiling Ichthyosis: A Comparative Study on Moisturizer Efficacy in Ichthyosis Vulgaris	Eiseilnower Middle School
American Vacuu	m Society		
Third Place			
Joshua Bala	JR-BMED -30	Evaluating the Effectiveness of Medicine Reminder Apps	MANDELA INTERNATIONAL MAGNET
			(MIMS)
Second Place			
Rosa Bonita Schwenk		Which Pill Bottle is the safest?	Sacred Heart Catholic School
American Vacuu	m Society		
First Place			
Emma Munson	JR-BMED -30	Planaria and Weight Loss Drugs (GLP-1s)	LOS ALAMITOS MIDDLE
Rose Baca-Rivet			

LOS ALAMITOS MIDDLE

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Junior Chemistry and Biochemistry

Honorable Ment	ion		
Samuel Cawkwell	JR-CHEBIO-4	Which juice a day keeps the doctor away?	BARRANCA MESA ELEMENTARY
Evelyn Fobes	JR-CHEBIO-4	Prawn in 60 Seconds	MOUNTAIN ELEMENTARY
American Chemic	cal Society		
James Junghans	JR-CHEBIO-4	What affects avocado browning?	BARRANCA MESA ELEMENTARY
Third Place			
Jonathan Shockley	JR-CHEBIO-4	Clean Carbon	Albuquerque School of Excellence
Second Place			
Omar Terrazas	JR-CHEBIO-4	Electrolyte Challenge	Albuquerque School of Excellence
First Place			
Sabastian Griego	JR-CHEBIO-4	Glow and Behold	LOS ALAMITOS MIDDLE
C02 & Greenhous	se Gas Reduction		
Sabastian Griego Thermo Fisher	JR-CHEBIO-4	Glow and Behold	LOS ALAMITOS MIDDLE

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Junior Earth and Environmental Sciences

Honorable Ment	ion		
Evan DeHerrera	JR-EAEV-507	Mystery Soils	TAOS MIDDLE
Anaya Faruk	JR-EAEV-505	Beat the Heat	Salam Academy
C02 & Greenhou	se Gas Reduction		
Anaya Faruk	JR-EAEV-505	Beat the Heat	Salam Academy
Clay T. Smith			
Third Place			
Alexya Hite	JR-EAEV-501	Freeze Fighters	MILAN ELEMENTARY
Second Place			
Camylle Hubbard	JR-EAEV-506	Infrared Radiation and Thermal Absorption of Greenhouse Gases	Albuquerque Institute of Math & Science
C02 & Greenhou	se Gas Reduction		
Camylle Hubbard	JR-EAEV-506	Infrared Radiation and Thermal Absorption of Greenhouse Gases	Albuquerque Institute of Math & Science
Climate Change	NM		
Camylle Hubbard	JR-EAEV-506	Infrared Radiation and Thermal Absorption of Greenhouse Gases	Albuquerque Institute of Math & Science
Thermo Fisher			
First Place			
Saideetya Chinala	JR-EAEV-503	Biodegradable Hydrogels for Conserving Water	Albuquerque Institute of Math & Science
New Mexico Bure	eau of Geology ar	nd Mineral Resources & the New Mexico Geological Society	
Saideetya Chinala	JR-EAEV-503	Biodegradable Hydrogels for Conserving Water	Albuquerque Institute of Math & Science
New Mexico Net	work for Women i	n Science & Engineering	

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Junior Engineering Technology: Statics and Dynamics

Honorable Mentio	on		
Mabel Bridgette Campu	_{Jg;} JR-ETSD-704	Friction vs. Flight: The Science Behind CD Hovercraft	SAN RAFAEL ELEMENTARY
Andrew Gilbertson	JR-ETSD-712	Predicted Sensor Values of Satellite Launch	BARRANCA MESA ELEMENTARY
Klark Rivera	JR-ETSD-703	Comparing Rocket Stabilization Using Two Different Fin Models	MESA VIEW ELEMENTARY
Teresa Johnson			
Third Place			
Nathaniel Sandoval	JR-ETSD-702	How the Concrete Crumbles	St. Teresa of Avila Catholic School
Second Place			
Heath Linam	JR-ETSD-708	Engineering and Designing a Solar Plane	Albuquerque Institute of Math & Science
C02 & Greenhouse	e Gas Reduction		
Heath Linam	JR-ETSD-708	Engineering and Designing a Solar Plane	Albuquerque Institute of Math & Science
Office of Naval Re	search (ONR)		
First Place			
Gareth Jones	JR-ETSD-707	Reducing Friction in a Bearing Using Magnetic Levitation	Albuquerque Institute of Math & Science
C02 & Greenhouse	e Gas Reduction		
Gareth Jones	JR-ETSD-707	Reducing Friction in a Bearing Using Magnetic Levitation	Albuquerque Institute of Math & Science
Thermo Fisher			

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JR-EEMS-611

Mason Garcia

Junior Environmental Engineering, Energy, & Materials Science

Understanding Wind Turbines Using Lego

Honorable Mention Scarlett Henderson	JR-EEMS-601	Converting Organic Matter to Electricity	HERMOSA MIDDLE SCHOOL
C02 & Greenhouse	e Gas Reduction		
Charles Read	JR-EEMS-604	Hydroelectric Power	Bosque Farms Elementary School
Third Place			
Tanis Bower	JR-EEMS-612	Plastic Gas- Oops, no, not that gas!	Taos Academy
C02 & Greenhouse	e Gas Reduction		
Tanis Bower	JR-EEMS-612	Plastic Gas- Oops, no, not that gas!	Taos Academy
Ricoh Sustainable	Development Av	ward	
Tanis Bower Thermo Fisher	JR-EEMS-612	Plastic Gas- Oops, no, not that gas!	Taos Academy
Second Place			
Ashvita Prasankumar	JR-EEMS-60	Innovative Fire Safety: Utilizing Common Household Items as Fire Retardants	Desert Willow Family School
John Harty			
John Harty First Place			

MOUNTAIN ELEMENTARY

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Junior Math, Robotics, Software and Technology

L	Janar	ماماد	M-	ntion
г	ıonor	anıe	, IAIG	ntion

Sequoya Ke JR-MRST-80! Can AI Improve Algebra 1 Education in New Mexico?

-Evaluating ChatGPT as a Math Tutoring Tool

New Mexico Network for Women in Science & Engineering

Third Place

Liam Colgan JR-MRST-808 The numbers game: why is 1 more popular than 9?

BARRANCA MESA ELEMENTARY

Los Alamos Middle School

New Mexicans for Science and Reason (NMSR) Use of Scientific Method

Second Place

Jase Ontiveros JR-MRST-80' Game Engineered: Programming an Interactive Arcade With

Scratch and Makey Makey

CUBERO ELEMENTARY

First Place
Sahana Paruchuri

JR-MRST-807 Can AI Predict Diabetes?

Albuquerque Academy

Albuquerque Academy

Albuquerque Academy

Albuquerque Academy

C02 & Greenhouse Gas Reduction

Sahana Paruchuri JR-MRST-807 Can AI Predict Diabetes?

Thermo Fisher

Sahana Paruchuri JR-MRST-807 Can AI Predict Diabetes?

New Mexico Network for Women in Science & Engineering

Elena Schwarz JR-MRST-807 Can AI Predict Diabetes? Albuquerque Academy

C02 & Greenhouse Gas Reduction

Elena Schwarz JR-MRST-807 Can AI Predict Diabetes?

Thermo Fisher

Elena Schwarz JR-MRST-807 Can AI Predict Diabetes? Albuquerque Academy

New Mexico Network for Women in Science & Engineering

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Junior Physics and Astronomy

American Vacuum Society

Honorable Men			
Mireya Marquez	JR-PHAST-90	How Bouncy Will it Get?	MOUNT TAYLOR ELEMENTARY
Claire Power	JR-PHAST-90	Throwing Shade: A Study of Sunshade Effectiveness	Holy Ghost Catholic School
NMJAS Paper C	ompetition		
Third Place			
Tanya Wyatt	JR-PHAST-90	Project Shaolin Jester (determining radioactivity)	Our Lady of The Assumption Catholic School
C02 & Greenho	use Gas Reduction		
Tanya Wyatt	JR-PHAST-9(Project Shaolin Jester (determining radioactivity)	Our Lady of The Assumption Catholic School
Thermo Fisher			
Second Place			
Kalliope Welch	JR-PHAST-90	Modeling Fast-Moving Objects as They Travel through Crowded Astronomical Neighborhoods	Welch Homeschool
American Vacuu	um Society		
First Place			
Alisha Wald	JR-PHAST-90	Innovating Stealth Through Optical Comparisons of Aircraft Designs	MANDELA INTERNATIONAL MAGNET (MIMS)
C02 & Greenho	use Gas Reduction		
Alisha Wald	JR-PHAST-9(Innovating Stealth Through Optical Comparisons of Aircraft Designs	MANDELA INTERNATIONAL MAGNET (MIMS)
Lemelson Early	Inventor Prize		,
Alisha Wald	JR-PHAST-9(Innovating Stealth Through Optical Comparisons of Aircraft Designs	MANDELA INTERNATIONAL MAGNET (MIMS)
		- g	(111113)

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Junior Plant Science & Microbiology

Honorable Mentio	n		
Zachary White	JR-PSMB-101	How Stimuli Affect Micro-organisms	BARRANCA MESA ELEMENTARY
Daniel Yampolsky	JR-PSMB-101	How Stimuli Affect Micro-organisms	BARRANCA MESA ELEMENTARY
Third Place			
Gaganasree Munaga	JR-PSMB-10(Natural and Artificial Preservatives	Albuquerque Institute of Math & Science
Second Place			
Nneka Anozie	JR-PSMB-10(E.Coli vs. Antibiotics	St. Thomas Aquinas School
First Place			
	JR-PSMB-100	Don't Drink The Water!	St. Teresa of Avila Catholic School
Lucas Rychener		DOIT DINK THE Water!	St. Telesa di Avila Catilolic Scribbi
NMJAS Paper Com	petition		

New Mexico Science and Engineering Fair

Senior Animal Sciences, Cellular and Microbiology

Honorable Men	tion		
Irina Gruzdeva	SR-ASMB-10	Oxidized Metal Surfaces: A Disinfection Quest	V. Sue Cleveland High School
Hamsini Murali	SR-ASMB-10	How Does the Concentration of Kombucha Affect the Fermentation Process in Plant-based Oat Milk Compared to Cow's Milk?	Rio Rancho High School
C02 & Greenhou	use Gas Reduction		
Third Place			
MacKynzy Hunter	SR-ASMB-10	Dont't Sweat the Small Stuff	GRANTS HIGH
C02 & Greenhou	use Gas Reduction		
Second Place			
Isabella Halley	SR-ASMB-10	See Them Spread	GRANTS HIGH
First Place			
Charlie Groves	SR-ASMB-10	Health Hazards of Microorganisms that Survive in Wildfire Smoke	Albuquerque High School
Society for In Vi	itro Biology		

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Senior Behavioral and Social Sciences

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Jayden Carwile SR-BEHA-20: Serenaded Sleep GRANTS HIGH

Anthony Ortiz

Peyton Dimitt SR-BEHA-20′ Serenaded Sleep GRANTS HIGH

Anthony Ortiz

Jayden Narciso SR-BEHA-20⁻⁻⁻⁻ Musical Charms: Which Genre of Music Will Boost Focus and SAN JUAN COLLEGE HIGH SCHOOL

Productivity the Most in Classrooms?

American Psychological Association & Teachers of Psychology in Secondary

Third Place

Lance Andrei Garcia SR-BEHA-20² Stressed to Impress: Fly Edition GRANTS HIGH

C02 & Greenhouse Gas Reduction

Sophia Rafaelle Romasar SR-BEHA-20⁴ Stressed to Impress: Fly Edition GRANTS HIGH

C02 & Greenhouse Gas Reduction

Second Place

Daveany Lohr SR-BEHA-206 Investigating Age Related Differences in the Recognition of Albuquerque Institute of Math & Science

Real vs Fake News

C02 & Greenhouse Gas Reduction

First Place

Carley Carmen Chavez-W SR-BEHA-20: Fighting Words: An Investigation of the Narrative Abilities in New Mexico Connections Academy

Professional Boxers

American Statistical Association, Best use of Statistics

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Senior Biochemistry, Computational Biology, and Biomedical Engineering

Honorable Men	tion		
Rachel Rede	SR-BIOCE-30	Simulating the Effects of Beverages on Plasma through Osmosis	Rio Rancho High School
Salinda Stallings	SR-BIOCE-30	Simulating the Effects of Beverages on Plasma through Osmosis	Rio Rancho High School
Rachel Taylor	SR-BIOCE-30	How Varied Amounts of a Serine Proteases Hemotoxin Affects Mammalian Red Blood Cells and Coagulation	Rio Rancho High School
Third Place			
Evan Pena	SR-BIOCE-30	Nature Paint 2: Natural, low VOC, low environmental impact, intumescent paint	Taos Academy
C02 & Greenhou	use Gas Reduction		
Second Place			
June Loukinas	SR-BIOCE-30	The Influence of Altered Gravity on Drosophila Larval Development: A Genomic and Behavioral Analysis in Simulated Spaceflight Conditions	SAN JUAN COLLEGE HIGH SCHOOL
Office of Naval	Research (ONR)		
First Place			
Alyssa Sun	SR-BIOCE-30	Know-It-All Networks on Pneumonia	LOS ALAMOS HIGH

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Senior Biomedical and Health Sciences

Hono	orable	<u>e M</u>	lent	ion	
Kianyo	Ahigai	ΙΛc	oncid	. 12.	

Kiarys Abigail Asencio Ja[,] SR-BMED-40 Albuquerque Institute of Math & Science Acne's Correlation to School SR-BMED-40 Ahana Koushik Epigenetic Analyses for Diabetes Risk and Resiliency Albuquerque Academy

Third Place

SR-BMED-40 Aditi Ganti Gut Instinct: An AI-Driven Approach to Inflammatory Bowel Disease Diagnosis Using Microbial and Metabolite Data

La Cueva High School

C02 & Greenhouse Gas Reduction

Second Place

SR-BMED-40 Sowmya Sankaran MED-X: An Explainable Multi-Agent System for Efficient

Albuquerque Academy

Gastrointestinal Datasets

Diagnostic Decision-Making Utilizing Multimodal

Retinoic Acid: A Potential Therapeutic Strategy

First Place

SR-BMED-40 Meher Garg Human Glioblastoma Cancer Stem Cells Differentiation by

Homeschooled

Regeneron Biomedical Science Award

New Mexico Science and Engineering Fair

Senior Chemistry

Third Place

SR-CHEM-50 Combating Enamel Erosion Albuquerque School of Excellence Charley Torres

Second Place

SR-CHEM-50 Joel Small **Exploration of Paracetamol Synthesis GRANTS HIGH**

First Place

SR-CHEM-50 Aspyn Kaskalla NAVAJO PREPARATORY SCHOOL Empirical Verification of the Electrochemical Nernst Equation (FARMINGTON)

for Two Metal Pairs

New Mexico Network for Women in Science & Engineering

SR-CHEM-50 Aspyn Kaskalla Empirical Verification of the Electrochemical Nernst Equation NAVAJO PREPARATORY SCHOOL (FARMINGTON)

for Two Metal Pairs

American Vacuum Society

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Senior Earth and Environmental Sciences

Joseph Martinez SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy United States Metric Association Sebastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy NMDAS Paper Competition Sebastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy American Vacuum Society Sebastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Analysis of Micropilastic Pollution in Albuquerque Water Scures Utilizing FTIR Spectroscopy Schastian Stoker SR-EAEV-600 Effective Approaches to Detect then Remediate Crude-Oil Contaminated Science and Math Education (CESE) Cadince Woody SR-EAEV-600 SR-EAEV-600 Effective Approaches to Detect then Remediate Crude-Oil Contaminated Science and Math Education (CESE) Contaminated Science and Math Education (CESE) Contaminated Science and Math Education (CESE) Effective Approaches to Detect then Remediate Crude-Oil Contaminated Science and Math Education (CESE) Contaminated Science and Math Education (CESE) Contaminated Science and Math Education (CESE) Effective Approaches to Detect then Remediate Crude-Oil Contaminated Science and Math Education (CESE) Contaminated Science and Math Education (CESE) Effective Approaches to Detect then Remediate Crude-Oil Contaminated Science and Math Education (CESE) Contaminated Sc			onmental Sciences	
Sebastian Stoker SR-EAEV-608 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy United States Metric Association Sebastian Stoker SR-EAEV-608 Analysis of Microplastic Pollution in Albuquerque Water Albuquerque Institute of Math & Scientary Sciences Utilizing FTIR Spectroscopy NMJAS Paper Competition Sebastian Stoker SR-EAEV-608 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy American Vacuum Society Sebastian Stoker SR-EAEV-608 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Sebastian Stoker SR-EAEV-608 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Schooling Jr. Water Prize Third Place Cadince Woody SR-EAEV-609 Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navigo Nation Coalition For Excellence in Science and Math Education (CESE) Cadince Woody SR-EAEV-609 Effective Approaches to Detect then Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Cilinate Change NM Cadince Woody SR-EAEV-609 Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Cilinate Change NM Cadince Woody SR-EAEV-609 Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Price Wedictory SR-EAEV-609 Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Effective Approaches to Detect than Remediate Crude-Oil NAVAIO PREPARATORY SCHE Contaminated Soil from Areas of the Navigo Nation Effective Appr			Protein Power	GRANTS HIGH
Sources Utilizing FTIR Spectroscopy United States Metric Association Sebastian Stoker SR-EAEV-607 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Sebastian Stoker SR-EAEV-607 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Sebastian Stoker SR-EAEV-607 Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Stockholm Jr. Water Prize Effective Approaches to Detect then Remediate Crude Oil Contaminated Soil from Areas of the Navajo Nation Coalition For Excellence in Science and Math Education (CESE) Cadince Woody SR-EAEV-807 Cadince Woody SR-EAEV-807 Effective Approaches to Detect then Remediate Crude Oil Contaminated Soil from Areas of the Navajo Nation Contaminated Soil from Areas of the Navajo Nation Contaminated Soil from Areas of the Navajo Nation Cadince Woody SR-EAEV-807 Effective Approaches to Detect then Remediate Crude Oil Contaminated Soil from Areas of the Navajo Nation Rev Mexico Network for Women in Science & Engineering Codince Woody SR-EAEV-807 Codince Woody SR-EAEV-807 SR-EAEV-807 SR-EAEV-807 Using Various Types of Algae to Sequester CO2 from the Albuquerque Institute of Math & Science Approaches to Detect then Remediate Crude Oil Contaminated Soil from Areas of the Navajo Nation SR-EAEV-807 SR-EAEV-	Joseph Martinez	SR-EAEV-600	Protein Power	GRANTS HIGH
United States Metric Association Sebastian Stoker SR-EAEV-80X NMJAS Paper Competition Sebastian Stoker SR-EAEV-80X Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy American Vacuum Society Sebastian Stoker SR-EAEV-80X Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy American Vacuum Society Sebastian Stoker SR-EAEV-80X Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Sebastian Stoker SR-EAEV-80X Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy Stockholm Jr. Water Prize Third Place Cadince Woody SR-EAEV-80Y SR-EAEV-80Y Contaminated Soil from Areas of the Navajo Nation Sebastian Stoker SR-EAEV-80Y SR-EAEV-80Y SR-EAEV-80Y SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation Sebastian Stoker SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation Sebastian Stoker SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation Sebastian SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation Second Place SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation SR-EAEV-80Y Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Natio	Sebastian Stoker	SR-EAEV-606		Albuquerque Institute of Math & Science
Sources Utilizing FTIR Spectroscopy NMJAS Paper Competition Sebastian Stoker SR-EAEV-60t Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy American Vacuum Society Sebastian Stoker SR-EAEV-60t Analysis of Microplastic Pollution in Albuquerque Water Sources Utilizing FTIR Spectroscopy School of Math & Science Stockholm Jr. Water Prize Third Place Cadince Woody SR-EAEV-60t Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Effective Approaches to Detect then Remediate Crude-Oil Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Effective Approaches to Detect then Remediate Crude-Oil NAVAJO PREPARATORY SCHC Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Effective Approaches to Detect then Remediate Crude-Oil NAVAJO PREPARATORY SCHC Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Effective Approaches to Detect then Remediate Crude-Oil NAVAJO PREPARATORY SCHC Contaminated Soil from Areas of the Navajo Nation Cimate Change NM Cadince Woody SR-EAEV-60t Effective Approaches to Detect then Remediate Crude-Oil NAVAJO PREPARATORY SCHC Contaminated Soil from Areas of the Navajo Nation First Place Gael Zeller SR-EAEV-60t Using Various Types of Algae to Sequester CO2 from the Albuquerque Institute of Math & Science Admosphere First Place Lukas Colburn SR-EAEV-60t Place Composing Mushrooms GRANTS HI CO2 & Greenhouse Gas Reduction Lukas Colburn SR-EAEV-60t Place Gael Zeller SR-EAEV-60t Place	United States Me	etric Association	Sources ouilizing i TIN Specifioscopy	
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Lukas Colbum Plastic Decomposing Plasticionis	Society for In Vit	ro Biology		
New Mexico Bureau of Geology and Mineral Resources & the New Mexico Geological Society	Lukas Colburn	SR-EAEV-604	Plastic Decomposing Mushrooms	GRANTS HIGH
	New Mexico Bure	eau of Geology ar	nd Mineral Resources & the New Mexico Geological Society	

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Senior Earth and Environmental Sciences

Ryan Tortalita SR-EAEV-604 Plastic Decomposing Mushrooms GRANTS HIGH

C02 & Greenhouse Gas Reduction

Ryan Tortalita SR-EAEV-60² Plastic Decomposing Mushrooms GRANTS HIGH

Society for In Vitro Biology

Ryan Tortalita SR-EAEV-60² Plastic Decomposing Mushrooms GRANTS HIGH

New Mexico Bureau of Geology and Mineral Resources & the New Mexico Geological Society

New Mexico Science and Engineering Fair

Senior Engineering Technology: Statics and Dynamics

Honorable Ment	ion		
Shundiin Antonio	SR-ETSD-801	Blade Designs and Wind Speed	NAVAJO PREPARATORY SCHOOL (FARMINGTON)
C02 & Greenhou	se Gas Reduction		
James Hung	SR-ETSD-804	Using Ansys to Analyze the Thermal Conductivity of EV Cooling Systems	Albuquerque Institute of Math & Science
C02 & Greenhou	se Gas Reduction		
James Hung	SR-ETSD-804	Using Ansys to Analyze the Thermal Conductivity of EV Cooling Systems	Albuquerque Institute of Math & Science
Rex Robinson Av	vard		
Dillan Uphoff	SR-ETSD-809	Shattering The Fog: Suicide Deterrence System Models for Elevated Structures	Taos Academy
Mario Vargas	SR-ETSD-809	Shattering The Fog: Suicide Deterrence System Models for Elevated Structures	Taos Academy
Third Place			
Kaylee Naef	SR-ETSD-802	LaserComm Micro	GRANTS HIGH
Second Place			
Len Janert	SR-ETSD-808	EmotionAid: Facial Emotion Recognition with Auditory Aid for Apperceptive Prosopagnosia	Albuquerque Institute of Math & Science
First Place			
Christina Agrusa	SR-ETSD-807	Spider Silk Sound Sensing	Rio Rancho High School
New Mexico Net	work for Women i	n Science & Engineering	
Marissa Montano	SR-ETSD-807	Spider Silk Sound Sensing	Rio Rancho High School
New Mexico Net	work for Women i	n Science & Engineering	

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Senior Environmental Engineering, Energy, & Materials Science

Honorable Men	ntion		
Lucas Tang	SR-EEMS-70	Brick by Brick: Paving the Way to a Sustainable Future in New Mexico	New Mexico Military Institute
C02 & Greenho	use Gas Reduction		
Lilia Viteva	SR-EEMS-70	FLASHED: A Feasibility Study of Waste Reduction through Household Plastic Glassification	LOS ALAMOS HIGH
Steven Xu	SR-EEMS-70	Brick by Brick: Paving the Way to a Sustainable Future in New Mexico	New Mexico Military Institute
C02 & Greenho	use Gas Reduction		
Sylvia Xu	SR-EEMS-70	Brick by Brick: Paving the Way to a Sustainable Future in New Mexico	New Mexico Military Institute
C02 & Greenho	use Gas Reduction		
Third Place			
Cash Wodrich	SR-EEMS-71 ⁻	Algaethane: Pervaporation Bio-butanol Extraction from Chlorella Algae Feedstock	Taos Academy
Second Place			
Idania Gutierrez	SR-EEMS-71	Aerobuddy: Robotic Personal Aerosol Contaminant Filtration System	Taos Academy
New Mexico Ne	twork for Women i	n Science & Engineering	
First Place			
Aarush Tutiki	SR-EEMS-70	A Novel Alternative Method (NAM) to Improve Safety and Targeting of Chemotherapeutics and Genetic Therapies by Accelerating Biofunctional Nanocarrier Development	Albuquerque Academy
American Vacuu	um Society		

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Senior Math, Robotics, Software and Technology

Honorable Menti	ion		
Aylen Hernandez	SR-MRST-90	Smart Signal Detection LED Notice Sign	TUCUMCARI HIGH
Dylan Trinh	SR-MRST-90	EduPredict: A Machine Learning Approach to Forecast Student Academic Performance	Albuquerque Institute of Math & Science
Third Place			
Euiryeon Kim	SR-MRST-90	Machine Learning-Enhanced Path Guide: Integrating Object Detection and Depth Estimation for Navigation Assistance to the Visually Impaired	La Cueva High School
United States Air	Force		
Euiryeon Kim	SR-MRST-90:	Machine Learning-Enhanced Path Guide: Integrating Object Detection and Depth Estimation for Navigation Assistance to the Visually Impaired	La Cueva High School
NMJAS Paper Cor	mpetition		
Second Place			
Tanner Donaldson	SR-MRST-90	Paradox Theory and Its Applications	Rio Rancho High School
Jacob Rice	SR-MRST-90	Paradox Theory and Its Applications	Rio Rancho High School
First Place			
Helena Welch	SR-MRST-90	Analyzing Pre-Indo-European Theory of Etruscan Language Origins Using Topological Data Analysis	Welch Homeschool
David Shortess			
Helena Welch	SR-MRST-90	Analyzing Pre-Indo-European Theory of Etruscan Language Origins Using Topological Data Analysis	Welch Homeschool
NMJAS Paper Cor	npetition		

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Senior Physics, Astronomy and Technology Arts

Th	ird	PI:	ace

Joel Saltzman SR-PHAST-11 ThermoWave 3: Circumference and Diameter Impact on Taos Academy

Thermoacoustic Energy Conductance

Yale Science and Engineering Association

Second Place

Jacob Cummings SR-PHAST-11 It's Not Rocket Science: Are Radioisotope Thermal Engines

Efficient?

Rio Rancho High School

United States Air Force

First Place

Tate Plohr SR-PHAST-11 Constraining the Neutron Star Equation of State Using Los Alamos High School

Observational Data

Teresa Johnson

Tate Plohr SR-PHAST-11 Constraining the Neutron Star Equation of State Using Los Alamos High School

Observational Data

NMJAS Paper Competition

Tate Plohr SR-PHAST-11 Constraining the Neutron Star Equation of State Using Los Alamos High School

Observational Data

Richard N. Overdorf Grand Award

Tate Plohr SR-PHAST-11 Constraining the Neutron Star Equation of State Using Los Alamos High School

Observational Data

American Statistical Association, Best use of Statistics

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Senior Plant Science

Honorable Ment	ion		
Lauren Buford	SR-PLNT-110	How Does the Ratio of Composted Coffee Grounds to Soil Affect the Growth Rate and Mass of Radishes?	Rio Rancho High School
Nataly Hernandez	SR-PLNT-110	Water Crystals vs. Biodegradable Hydrogels	Albuquerque Institute of Math & Science
Holly Steen	SR-PLNT-111	Optimizing Hydroponic Growth: Comparing System Performance and the Impact of Salinity Stress on Basil Plants	Eldorado High School
Allyson Tennent	SR-PLNT-110	How Does the Ratio of Composted Coffee Grounds to Soil Affect the Growth Rate and Mass of Radishes?	Rio Rancho High School
Third Place			
Jaylah Clay	SR-PLNT-110	The Road to a Greener Winter: Crafting an Eco-Friendly Deicer	New Mexico Military Institute
C02 & Greenhous	se Gas Reduction		
Alehi Musani	SR-PLNT-110	The Road to a Greener Winter: Crafting an Eco-Friendly Deicer	New Mexico Military Institute
C02 & Greenhous	se Gas Reduction		
That Bach Ton	SR-PLNT-110	The Road to a Greener Winter: Crafting an Eco-Friendly Deicer	New Mexico Military Institute
C02 & Greenhous	se Gas Reduction		
Second Place			
Danna Renteria	SR-PLNT-110	Transforming Invasive Species into Sustainable Solutions: Evaluating Salt Cedar Biochar, Liquid Fertilizer, and Azospirillum brasilense for Eco-Friendly Agriculture	ALTA VISTA EARLY COLLEGE HIGH SCHOOL
C02 & Greenhous	se Gas Reduction		
Danna Renteria	SR-PLNT-110	Transforming Invasive Species into Sustainable Solutions: Evaluating Salt Cedar Biochar, Liquid Fertilizer, and Azospirillum brasilense for Eco-Friendly Agriculture	ALTA VISTA EARLY COLLEGE HIGH SCHOOL
United States Air	Force		
Danna Renteria	SR-PLNT-110	Transforming Invasive Species into Sustainable Solutions: Evaluating Salt Cedar Biochar, Liquid Fertilizer, and Azospirillum brasilense for Eco-Friendly Agriculture	ALTA VISTA EARLY COLLEGE HIGH SCHOOL
American Vacuur	n Society		
Danna Renteria	SR-PLNT-110	Transforming Invasive Species into Sustainable Solutions: Evaluating Salt Cedar Biochar, Liquid Fertilizer, and Azospirillum brasilense for Eco-Friendly Agriculture	ALTA VISTA EARLY COLLEGE HIGH SCHOOL
Stockholm Jr. Wa	ater Prize	Azospirilium brasilense for Eco-Friendry Agriculture	
First Place			
Hyder Mandilawi	SR-PLNT-110	Effect of Variable Electric Stimulation on Early Plant	Rio Rancho High School
		Development in Hydroponics	5
Sean Rey-Vaughn	SR-PLNT-110	Effect of Variable Electric Stimulation on Early Plant Development in Hydroponics	Rio Rancho High School

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