

First Place

Team

59, Modeling Forest Fire Risks in NM

School

NM School for the Arts

Team Members

**Rowan Jansens, Madelyn Kingston,
Maya Landess, Grandon Morrison**

Teacher Sponsor

Mohit Dubey

Mentor

Stephen Guerin



Second Place

Team

20, Activity-By-Contact Model to Predict Enhancer-Gene Connections: A Tool to Increase our Understanding of Cancer

School

Los Alamos High

Team Member

Lillian Petersen

Mentor

Graham McVicker



Third Place

Team

66, Project CO-OP

School

Socorro High

Team Members

**Cody Johnston, Elias Zheng,
Lucas Ward, Rio Sessions**

Teacher Sponsor Jay Garcia



I Took the Challenge! Returning School

New Mexico Military Institute



Yoo Younggun



Ryan Lee



Nguyen Long



Khoa Do



Jaejoon Lee

Team 58



Newcomer Award

Team

17, Encouraging Anti-Diabetic Lifestyles in NM Communities

School

Grady High

Team Members

Alexis Brandsma, Erynn Vetterly, Tristen Pool



Teacher Sponsor

Leah Lee

Mentor

Alan Daugherty



Magellan Award



Teams

1008, 1010, 1020

School

Gadsden Mid School

Members

Melody Pantoja, Yakov Esparza

Manuel Lopez, Carlos Villegas

Jesus Baca, Haleigh Garcia

Teacher Sponsor

Danielle McFarland





Professional Presentation

Team	59, Modeling Forest Fire Risks In NM
School	NM School for the Arts
Team Members	Rowan Jansens, Madelyn Kingston, Maya Landess, Brandon Morrison
Teacher Sponsor	Mohit Dubey
Mentor	Stephen Guerin



Agent-based Model using NetLogo Award

Team	17, Encouraging Anti Diabetic Lifestyles in NM Communities
School	Grady High
Team Members	Alexis Brandsma, Erynn Vetterly, Tristen Pool
Teacher Sponsor	Leah Lee



LANL

Environmental Modeling Award



Team

1016, Wildfire Spread

School

Monte Del Sol

Team Members

**Nefi Guevara, Hebert Soto,
Maximillian Montoya, Shayla Anthony**

Teacher Sponsor

Rhonda Crespo



Senator Udall's Climate Change Challenge Award

Team

58, Deforestation Simulation Project

School

NM Military Institute

Team Members

Yoo Younggun, Jaejoon Lee, Nguyen Long, Ryan Lee, Khoa Do

Teacher Sponsor

Mark Stone

Mentor

Elizabeth Kallman, Chris Brown



Technical Writing Award

Team

20, Activity-by-Contact Model to Predict Enhancer-Gene Connections: A Tool to Increase our Understanding of Cancer

School

Los Alamos High

Team Member

Lillian Petersen

Mentor

Graham McVicker



Community Impact Award



Team	56, Albuquerque Fire Department Wait Times
School	Cottonwood Classical/Del Norte
Team Members	Ayvree Urrea, Kiara Onomoto
Teacher Sponsor	Karen Glennon



Innovation in Programming Award

Team

**1003, Automatic Differentiation
and AI Applied to
Computational Physics**

School

Los Alamos High

Team Member

Robert Strauss



Web Presentation of Final Report Award

**Team
School**

**66, Project CO-OP
Socorro High**



Team Members

**Cody Johnston, Elias Zheng,
Lucas Ward, Rio Sessions**

Teacher Sponsor

Jay Garcia



Middle School Award

Team

21, How to Win Monopoly

School

Los Alamos Middle

Team Members

Asher Koh, Hyunoo Kim

Mentors

Aik-Siong Koh & S. Jun Kim



Teacher Appreciation Award



Recipient

Tracie Mikesell

**Mesilla Valley Leadership
Academy**



NMTIE Research Award

NMTIE

Furthering Education through Technology

Team	13, Gun Block: Detecting Guns in Video Stream Using Machine Learning
School	Capital High
Team Members	Edwardo Pena, German Rojo, Oscar Sandoval Torres
Teacher Sponsor	Barbara Teterycz, Irina Cislaru
Mentor	David Gunter



NMTIE Teamwork Award

[NMTIE](#)

Furthering Education through Technology

**Team
School**

**16, It's Raining Seeds. Hallelujah!
Eldorado High**

Team Members

Brendan Kuncel, Savannah Phelps

Teacher Sponsor

Karen Glennon

Mentor

Patty Meyer



Science Rocks

Team

22, Fuel for Our Future

School

Los Lunas High

Team Members

**Delsin Jaramillo,
Edwin Fernandez (not pictured)**

Teacher Sponsor

Anne Loveless



Creativity and Innovation Award

Team

51, Deep Space Travel

School

Melrose Middle

Team Members

Heidi Macfarlane,

Levi Garrett (not pictured)

Teacher Sponsor

Alan Daugherty



New Mexico Network for Women in Science and Engineering



Team

25, Internet of Things Security: How to Keep IoT Devices Secure at Home

School

Eldorado/Manzano High

Team Members

Nancy Avila, Gwenevere Caouette, Priscila Flores, Kyreen White

Teacher Sponsors

Sharee Lunsford, Karen Glennon

Mentor

Patty Meyer



Judges' Special Award

Artificial Intelligence in Medicine

Team	1017, Visual Detection of Melanoma with A.I.
School	Los Alamos Middle
Team Members	Andrew Morgan, Harry McKigney (Not Pictured)
Mentors	Ed McKigney, Nathaniel Morgan



Judges' Special Award Ecological Engineers

Team	28, Avian Oasis Creating Water for Endangered Birds
School	Media Arts Charter School
Team Member	Colbie Boyd
Teacher Sponsor	Creighton Edington



Judges' Special Award

Pioneering in Neural Networks

Team

15, Giving Signatures a Purpose

School

Desert Academy

Team Members

Jonatan Kaare-Rasmussen,

Ethan Garcia



Teacher Sponsor

Steff Eiter

Mentor

Chris Zappe



Judges' Special Award

Medical Imaging for Research

Team

**1005, Comparing Sparse and Dense
Neural Network Using A.I. to
Detect Cancer**

School

Los Alamos High

Team Member

Charles Strauss

Mentor

Garrett T. Kenyon



Human Computer Interaction

Sponsored by
Stephen Guerin, SimTable



Team

16, It's Raining Seeds! Hallelujah!

School

Eldorado High

Team Members

Brendan Kuncel, Savannah Phelps

Teacher Sponsor

Karen Glennon

Mentor

Patty Meyer



Scholarship Recipients

University

High School

Brendan Kuncel

New Mexico Tech

Eldorado HS

Maximillian Montoya

New Mexico Tech

Monte Del Sol

Nefi Guevera Perez

New Mexico Tech

Monte Del Sol

Lillian Petersen

Harvard University

Los Alamos HS

German Rojo

University of Denver

Capital HS



Scholarship Recipients

University

High School

Gracie Sanchez

ENMU

Melrose HS

Charles Strauss

Co. School of Mines

Los Alamos HS

Oscar Torres

NMSU

Capital HS

Jerrel White

CNM

Manzano HS

