

Welcome to the 2016 Annual Awards Ceremony



April 26, 2016



Master of Ceremonies

Shaun Cooper,

Supercomputing Challenge,
Past Member of the Board of Directors,
Retired NMSU CIO,
College Professor, CS, NMSU



You Took the Challenge!

You Finished the Marathon!



LANL

Welcomes You!

Randal Rheinheimer

Deputy Division Leader,

High Performance Computing Division



Los Alamos

NATIONAL LABORATORY

— EST. 1943 —



Presentation of the 2015 - 2016 Finalists



David Kratzer,
Consult,
Los Alamos National Laboratory

The Finalists

- Team 5,** Albuquerque Academy
- Team 7,** Aspen Elementary &
Los Alamos Middle School
- Team 43,** Los Alamos High
- Team 44,** Los Alamos High
- Team 48,** Los Alamos High
- Team 55,** Los Alamos Middle School
- Team 88,** Portales High
- Team 95,** Santa Fe High
- Team 110,** Saturday Science & Math
Academy

I Took the Challenge! First Year Schools



Presented by:
John Paul Gonzales,
Santa Fe Institute

First Year Schools in the Challenge

Winners:

Española Sayansi Club
Teams 19 & 20

New Futures High School
Team 86

Newcomer Award



Presented by:
Bob & Peggy Robey

Newcomer Award

Winners: Team 112,
Saturday Science & Math Academy

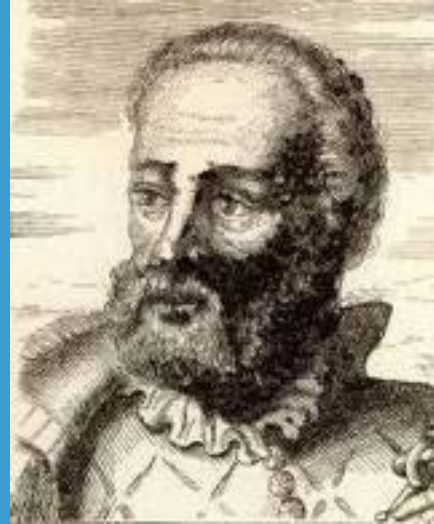
Team Members: Malcolm Tatum,
Joaquín Madrid Larrañaga

Sponsor: Debra Johns

Mentor: Wayne Witzel



Magellan Award



Presented by:
Bob & Peggy Robey

Magellan Award



Winner:

Brian Smith,

Santa Fe High School Teacher



Crowd Favorite

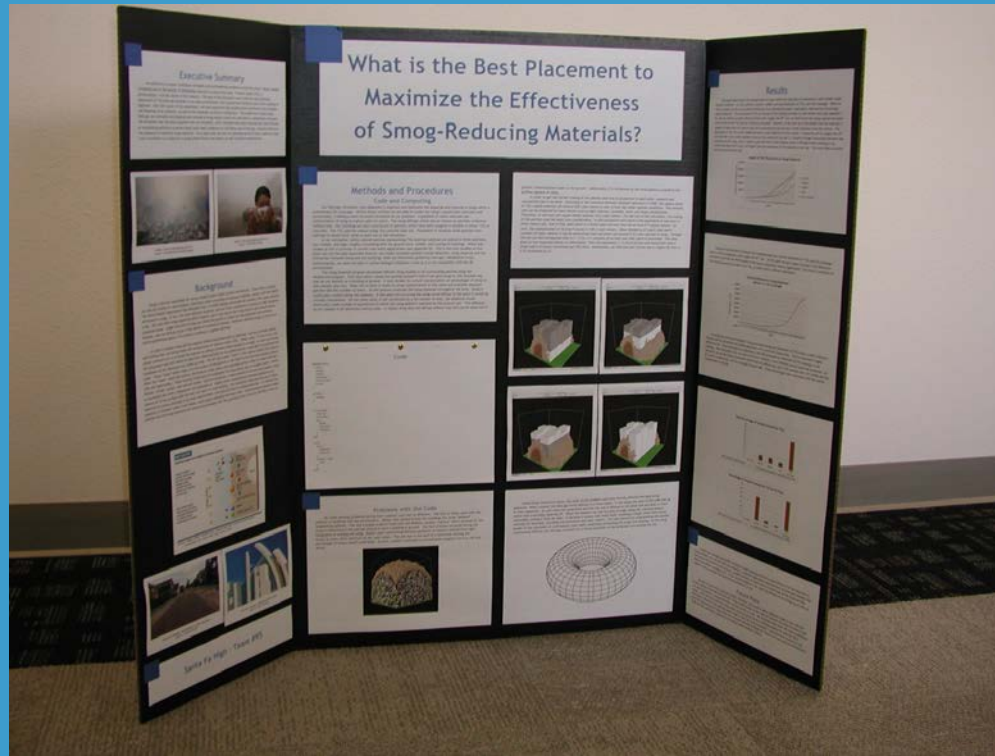
Presented by:

Eleanor Walther,

on behalf of NM Tech Council



Crowd Favorite



Winners: Team 95, Santa Fe High School
Team Members: Rowan Cahill, Lisel Faust,
Theo Goujon, Ramona Park, Max McGrael
Sponsor: Brian Smith **Mentor:** Hope Cahill

Most Professional Presentation



Presented by:
Rachel Robey
Challenge Alumni
University of Colorado, Boulder

Most Professional Presentation

Winners: Team 7,
Aspen Elementary &
Los Alamos Middle School

Team Members: Andy Corliss,
Max Corliss, Phillip Ionkov,
Ming Lo

Sponsor: Suzy Koehn

Mentors: Latchesar Ionkov, Li-ta Lo



Award for Agent-based Modeling using NetLogo

Presented by:
Stephen Guerin & Nick Bennett,
Simtable

The NetLogo logo is displayed in a bold, black, sans-serif font. It is positioned on the left side of a horizontal banner that features a blue sky with white clouds and a green ground line at the bottom. To the right of the text, there is a cluster of red arrows pointing towards the right, arranged in a pattern that suggests movement or a network.

Agent-based Model using NetLogo Award

Winners: Team 19,
Española Sayansi Club

Team Members: Jennifer Kilde,
Alejandro Santizo

Sponsor: Josephine Kilde

Mentor: Nick Bennett

Los Alamos National Laboratory Environmental Modeling Award



Presented by:
Scott Robbins,
LANL Student Programs

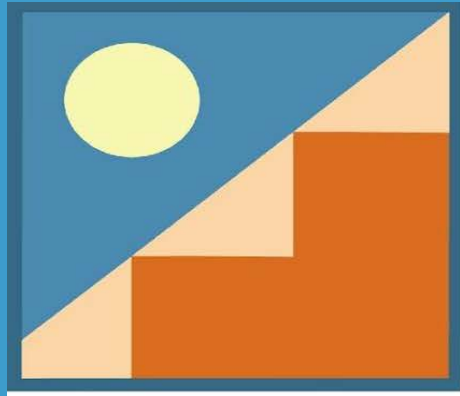
Los Alamos National Laboratory Environmental Modeling Award

Winners: Team 95,
Santa Fe High School

Team Members: Rowan Cahill,
Lisel Faust, Theo Goujon,
Ramona Park, Max McGrael

Sponsor: Brian Smith
Mentor: Hope Cahill





New Mexico
EPSCoR

Research Award

Presented by:
Drew Einhorn,
on behalf of EPSCoR

Research Award

Winners: Team 44,
Los Alamos High School

Team Members: Priyanka Velappan,
Alex Ionkov

Sponsor: Adam Drew

Mentors: Nileena Velappan, Leslie Naranjo,
Andrew Bradbury, Lily Chylek, Bill Hlavacek



Data Visualization Award

Presented by:

Stephen Guerin, Simtable



Data Visualization Award

Winners: Team 14,
Desert Academy

Team Members: Daniel Onstott,
Luke Shankin, Marisa Tedori,
Lileigh Thomas

Sponsors: Jocelyne Comstock,
Brian Smith

Mentor: Chris Holden



Technical Writing Award



Presented by:

Mia Kalish, NMSU

Sponsored by:

Supercomputing Challenge



Technical Writing Award

Winners: Team 88,
Portales High School

Team Members: Christopher Leap,
Nicholas Brown

Sponsor: Jack Willis

Recognition of Judges

Michael Trahan

Sandia National Laboratories

Principal Member of Technical Staff,
Integration and Test, Group # 5515

Eleanor Walther

Sandia National Laboratories, Retired

Community Impact Award



Presented by:
Ron Davis,
Abba Technologies

Community Impact Award

Winners: Team 55,
Los Alamos Middle School

Team Member: Lillian Petersen

Sponsor: Adam Drew

Mentor: Mark Petersen



Southwest Ecosystems Award



Presented by:
Rachel Robey,
on behalf of NMMNHS

Southwest Ecosystems Award

Winners: Team 86,
New Futures High School

Team Members: Alexzandria Aragon,
Alicia Fout, Antoinette Cortez,
Alondra Barron, Angelina Jaramillo,
Jacob Castillo

Sponsors: Mary Rafferty, Joe Vertrees

Web Presentation of Final Report Award



Tom Udall
U.S. Senator, New Mexico

Presented by:
Michele Jacquez-Ortiz,
Senator Udall's Office

Web Presentation of Final Report Award

Winners: Team 42,
Los Alamos High School

Team Members: Connor Bailey,
Hayden Walker

Sponsor: Adam Drew

Senator Ben Ray Lujan's Middle School Award



Presented by:
Nicholas Maestas,
Senator Lujan's Office

Senator Ben Ray Lujan's Middle School Award

Winners: Team 26,
Jackson Middle School

Team Member: Delaney Montoya

Sponsor: Karen Glennon

Cray High Performance Award

Presented by:
Mike Davis,
Cray Inc.



Cray High Performance Award

Winners: Team 51,
Los Alamos High School

Team Member: Steven Chen

Sponsor: Adam Drew



CHECS Research Award



Presented by:
Shaun Cooper,
NM CHECS

CHECS Research Award



Winners: Team 106,
St. Pius X High School

Team Member: Samuel J. Gervais

Sponsor: Jordan E. Medlock

CHECS Teamwork Award



Presented by:
Shaun Cooper,
NM CHECS

CHECS Teamwork Award



Winners: Team 29,
Jackson Middle School

Team Members: Isabella Montoya,
Heidi Rolston, Reyanna Fromme

Sponsor: Karen Glennon

Sandia Creativity and Innovation Award



Presented by:
Matthew Curry,
Sandia National Labs

Sandia Creativity and Innovation Award

Winners: Team 78,
Mesa Middle School

Team Members: Justice Armijo,
Adrian Gomez, Liah Guerrero,
Selena Ibarra, Jada Martinez

Sponsor: Tracie Mikesell

Mentor: Donald Henderson



Visualization Award

Sponsored by:
Lorie Liebrock,
New Mexico Tech

Presented by:
Kaley Goatcher,
on Behalf of Lorie Liebrock



Visualization Award

Winners: Team 55,
Los Alamos Middle School

Team Member: Lillian Petersen

Sponsor: Adam Drew

Mentor: Mark Petersen

Innovation in Programming: Python Award

Presented by:
Drew Einhorn



Innovation in Programming: Python Award

Winners: Team 48,
Los Alamos High School

Team Member: Theodore Petersen

Sponsor: Adam Drew

Mentor: Mark Petersen



Teacher Appreciation Award

Thanks!



Presented by:
Victoria Troyer,
School of Dreams Academy

Teacher Appreciation Award



Winner:
Kerra Howe,
School of Dreams
Academy

Teacher Appreciation

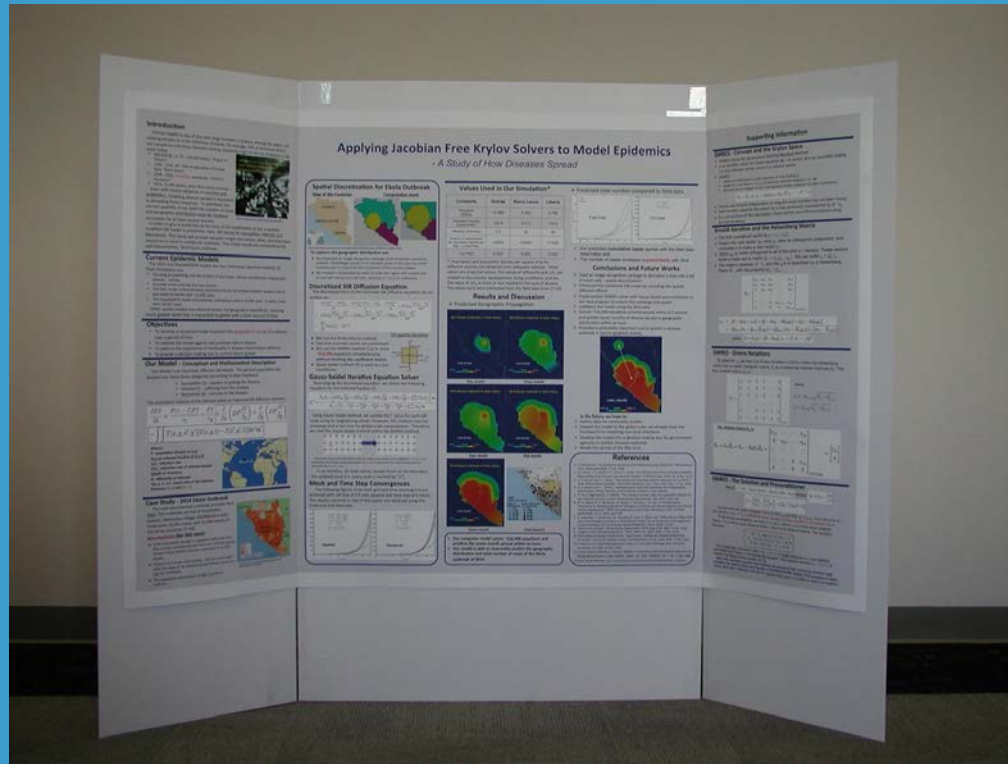


Supercomputing Challenge Technical Poster Award

Presented by:
Pauline and Bethany,
bigbyte.cc



Technical Poster Award



Winners: Team 43,
Los Alamos High School
Team Members: Jovan Zhang, Sophia Li
Sponsor: Adam Drew
Mentor: Duan Zhang

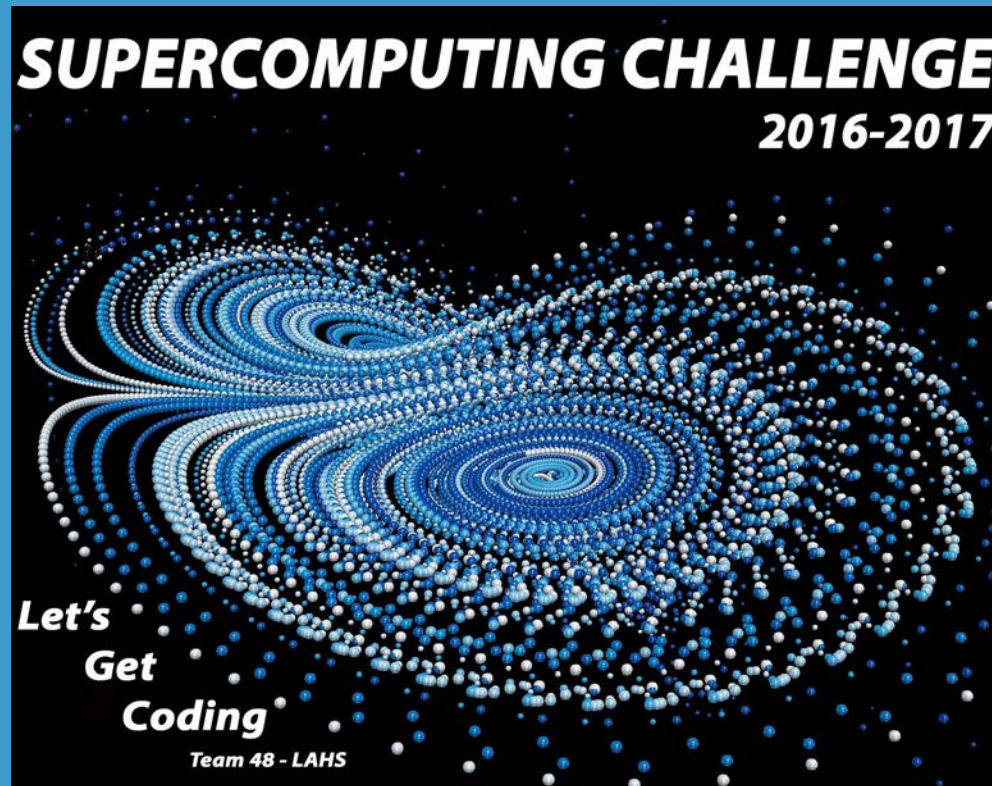
Graphical Poster Award

Supercomputing Challenge
Logo for 2016-2017

Presented by:
Shaun Cooper,
NMSU



Graphical Poster Award



Winners: Team 48,
Los Alamos High School
Team Member: Theodore Petersen
Sponsor: Adam Drew
Mentor: Mark Petersen

New Mexico Network for Women in Science and Engineering



Presented by:
Eleanor Walther,
NMNWE

New Mexico Network for Women in Science and Engineering

Winners: Team 110,
Saturday Science & Math Academy

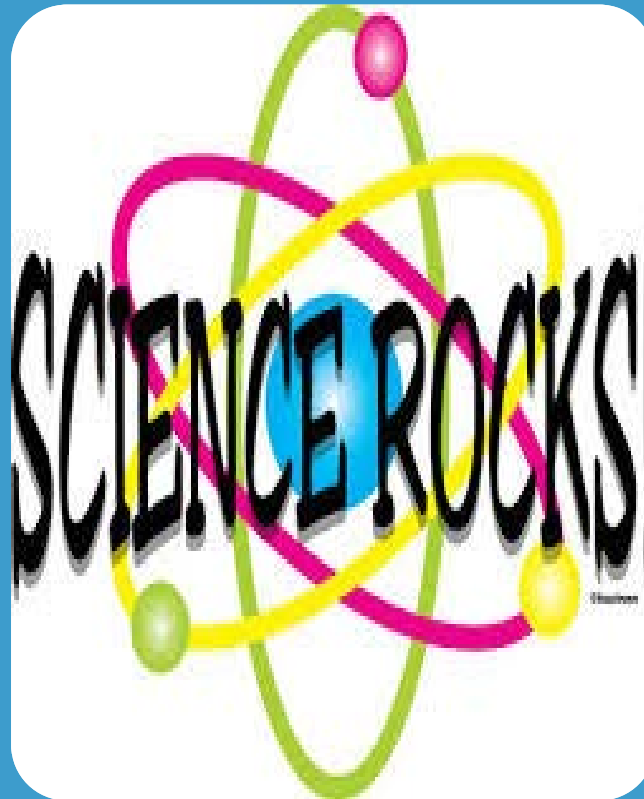
Team Members: Naomi Rankin,
Matuke Fomukong

Sponsor: Debra Johns

Mentor: Janeen Anderson



Science Rocks



Presented by:
Kaley Goatcher,
Honeywell Aerospace

Science Rocks

Winners: Team 28,
Jackson Middle School

Team Members: Brandon Pham,
Savannah Phelps

Sponsor: Karen Glennon

Science Rocks

Winners: Team 61,
Los Lunas High School

Team Members: Jen Marie Phifer,
Aaron Martin, Gerald Sanchez

Sponsor: Anne Loveless

Mentor: T.L. Thomas

Judges' Special Awards

Great Expectations Award

Challenge Elements Award

Data Assimilation Award

Advanced Mathematics Award

Presented by Head Judges:

Michael Trahan and Eleanor Walther



Judges' Special Award: Great Expectations Award

Winners: Team 64,
Melrose High School

Team Members: Mackenzie Perkins,
Rebecca Rush, Hannah Wofford,
Ethan Wright

Sponsor: Alan Daugherty

Mentors: Ray Rush, Rand Perkins



Judges' Special Award: Challenge Elements Award

Winners: Team 85,
Mountain Elementary School

Team Members: Ethan Fisk,
Nate Golden, Jonathan Triplett

Sponsor: Zeynep Unal

Mentor: Laurie Triplett



Judges' Special Award: Data Assimilation Award

Winners: Team 43,
Los Alamos High School

Team Members: Jovan Zhang,
Sophia Li

Sponsor: Adam Drew

Mentor: Duan Zhang



Judges' Special Award: Advanced Mathematics Award

Winners: Team 5,
Albuquerque Academy

Team Members: Richard Dargan,
Carl Cherne

Sponsor: Jim Mims



Sponsor Recognition

Let's give a big round of
applause for our sponsors!

The people in these
businesses and companies
helped us

Reach the Finish Line!

Primary Sponsors:

Los Alamos National Laboratory

Los Alamos National Security, LLC

State of New Mexico

Educational Partners:

The Center for Connected Learning (CCL) and Computer-Based Modeling/NetLogo, Central New Mexico Community College, New Mexico Council for Higher Education Computing/Communication Service (CHECS), Eastern New Mexico University, MIT Starlogo, New Mexico Computing Applications Center, New Mexico EPSCoR Experimental Program to Stimulate Competitive Research, Collaborative Research: Cyberinfrastructure Development in the Western Consortium of Idaho, Nevada, and New Mexico, NSF Award #0918635, New Mexico Highlands University, New Mexico Institute of Mining and Technology, New Mexico Public Education Department, New Mexico State University, NMSU-Dona Ana Community College, Northern New Mexico College, San Juan College, Santa Fe Community College, Santa Fe Institute, University of New Mexico, University of New Mexico-Center for Advanced Research Computing



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Sandia National Laboratories

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Bronze Partners:

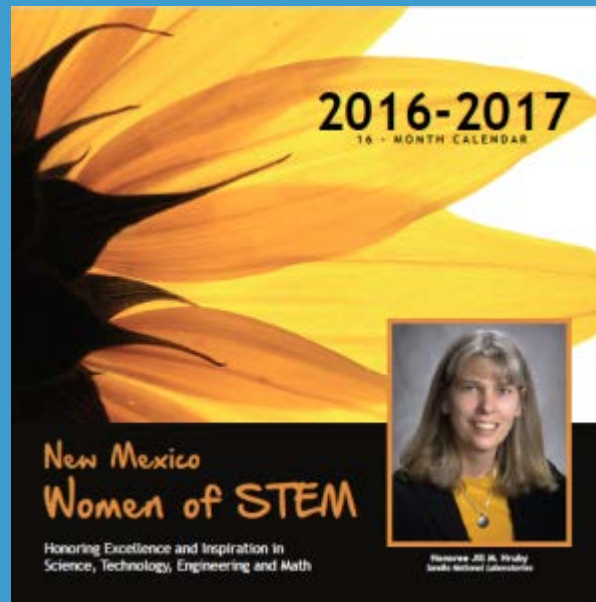
Albuquerque Journal, Dustin Byford, CAaNES, Computational Analysis and Network Enterprise Systems, Fourth Watch Software, Anthony Giancola, Innovate Educate NM, Los Alamos National Laboratory Foundation, Lobo Internet Services, New Mexico Business Weekly, New Mexico Technology Council, PY Multimedia Services, Qforma, Redfish Group, Technology Integration Group

Friends of the Supercomputing Challenge:

Dr. Shaun Cooper, NMSU , Russ Fisher-Ives and Inquiry Facilitators, Inc. Fractal Foundation, Dr. Lorie Liebrock, NM Tech, New Mexico Network for Women in Science and Engineering Peggy and Bob Robey, Society for Technical Communication Young Women in Computing, Las Cruces



New Mexico Women of STEM



Patty Meyer

Scholarship Winners



Presented by:

Teri Roberts, LANL/IEEE

Tim Thomas, UNM

Scholarship Winners

- **Aaron Nieto**, Las Cruces YWiC, Team 37
- **Adrian Hernandez**, Taos, Team 108
- **Connor Bailey**, Los Alamos High, Team 42
- **Devon Miller**, Las Cruces YWiC, Team 37
- **Joseph Strawn**, Las Cruces YWiC, Team 37
- **Theodore Petersen**, Los Alamos High, Team 48
- **Vincent Huber**, Las Cruces YWiC, Team 37
- **Victoria Troyer**, School of Dreams, Team 104
- **Hayden Walker**, Los Alamos High, Team 42

**And now, the moment we have
all been waiting for....**

Presented by:

**Bob Robey, LANL, President of
Supercomputing Challenge Board**

Cristina Montoya, SNL, Challenge Alumni

Kathy Keith, LANL, Community Programs



Third Place

Winners: Team 55,
Los Alamos Middle School

Team Member: Lillian Petersen

Sponsor: Adam Drew

Mentor: Mark Petersen

Second Place

Winners: Team 88,
Portales High School

Team Members: Christopher Leap,
Nicholas Brown

Sponsor: Jack Willis

First Place

Winners: Team 7,
Aspen Elementary &
Los Alamos Middle School

Team Members: Andy Corliss,
Max Corliss, Phillip Ionkov,
Ming Lo

Sponsor: Suzy Koehn

Mentors: Latchesar Ionkov, Li-ta Lo

First Place Winner's Project Overview

**Burritos will be served
in the kitchen!**

**Your choice of
Bacon / Green
Ham / Red
Sausage / Red
Sausage / Green
Veggie / Green
Ham / No Chile**

David Kratzer, Consult

You have left
the launch pad!