



SCIENCE EDUCATION AWARD WINNERS

2017 – 2018

1st Place

St. Mary's Hall

Justina Vidal: Ocean Chemistry and the Effects of Carbon Dioxide Emissions on Ocean Wildlife.

2nd Place

Thomas Jefferson High School

Frank Morales: CSI: DNA Fingerprint Analysis.

3rd Place

Earl Warren High School

Sarah Thompson: What Lies Beneath: Investigating Water Quality Using Benthic Invertebrates.

Honorable Mention

Alamo Heights High School

Colin Lang: Goddard High Altitude Blood Burst Test.

Honorable Mention

Advanced Learning Academy

Katelin Whittaker: Who Needs Energy? An Interdisciplinary, Project-Based Learning Approach to Energy Conversion and Empathy.

2016 – 2017

1st Place – Tie

Brooks Academy of Science and Engineering

Jose Ayala: Hunting for Antibiotics in the Wild

1st Place – Tie

Young Women's Leadership Academy

Rachael Guillen: Using DNA Technology to Research Genealogy.

2nd Place

John Marshall High School

Jennifer Rice: Forensic Anthropology: Identifying Skeletal Remains.

3rd Place

Earl Warren High School

Sarah Thompson: A Look Inside: Using Preserved Specimens to Further Aquatic Learning.

2015 - 2016

1st Place

Keystone School

Layne Steinhilper: On Shaky Ground

2nd Place

KIPP University Preps

John Cordier: Sugar, Fats, Proteins: What's really in the foods we eat?

3rd Place

East Warren High School

Sarah Thompson: Flipping the Switch: Hands on Electricity

4th Place

St. Mary's Hall

Devon Lee: Investigation of Jellyfish Blooms and Life History Strategies of Aurella aurita

5th Place

Alamo Heights High School

Colin Lang: Godard Level Rocket NASA Mission Payload Year II

2014 - 2015

1st Place

Brooks Academy of Science & Engineering

Jose Ayala: Soil Phage and Pecan Tree Diversity: Is There a Relationship?

2nd Place

Saint Mary's Hall

Devon M. Lee: Proteomics and Evolutionary Relationships

3rd Place

Keystone School

Layne Steinhelper: Robots: They're Not Just for Physics Anymore

4th Place

KIPP University Prep

John Cordier: Infrared Spectroscopy

5th Place

William J. Brennan High School

Monica Gonzalez: A Problem Based Learning Approach in Teaching Medical Microbiology

Honorable Mention

McCollum High School

Elizabeth Perez-Gonzales: Water Monitoring

2013 - 2014

1st Place

Brooks Academy of Science & Engineering

Jose Ayala: Traditional Mexican Medicine...

2nd Place

McCollum High School

Andrew Martinez: Cellular Respiration in Multicultural Organisms

3rd Place

McCollum High School

Edward Kinnear: Prosthetic Robotic Hand Build Off

4th Place

STEM Academy at Robert E. Lee High School

Robin Howard: Can Current Hydroponic Systems be used to Determine the Synergistic/Allelopathic Effects of PGR's?

5th Place

Young Women's Leadership Academy

Nina Slote: Growing Environmental Literacy in a Greenhouse

Honorable Mention

Samuel V. Champion High School

Eric Madrid: Renewal of Outdoor Research Facilities

2012 - 2013

1st Place – Tie

Medina Valley High School

Gerri Butler: Forensic Anthropology: Investigating Human Bones

1st Place – Tie

Alamo Heights High School

Colin Lang: Aeroscience Studies, Goddard Level

2nd Place

Keystone School

Layne Steinhelper: Toying with Energy

3rd Place

Edison High School

Alexandra Rios: Scientist, Framing the Pathway to Science Careers

4th Place

Keystone School

Jason Nydegger: Autoclave Funding

Honorable Mention

Robert E. Lee High School

Robin Howard: Sustainable Agriculture Combined with Aquatics for Aquaponics System

2011 - 2012

1st Place

Samuel Clemens High School

Ronnie Kerchhoff: Can Microalgae be Produced as a Cost Effective Alternative Biofuel?

2nd Place

Byron P. Steele II High School

Marvin Rudd: Fish Farm & Hydroponic Garden

3rd Place

STEM RAM Academy at Robert E. Lee High School

Robin Howard: "Can purified recombinant proteins from Borrelia burgdorferi be tested and developed into an effective therapy for the treatment of Lyme disease?"

4th Place

Keystone School

Jason Nydegger: Student investigations into digital logic and varying electromagnetics

5th Place

Samuel Clemens High School
Helen Whisenhunt: Physics First

Honorable Mention

John Jay Science & Engineering Academy
Aja Gardner: Mini Medical School

2010 - 2011

1st Place

James Madison High School
Deborah Parker: Up, Up, and Away. Investigating Gas Laws

2nd Place

William Howard Taft High School
Pamela Maldonado: Skulling Around

3rd Place

East Central High School
Brenda Kiobassa Miller: East Central Riparian Area Monitoring Project

4th Place

Alamo Heights High School
Colin Lang: Aeroscience Studies (Goddard Level)

5th Place

Keystone School
Layne Steinhelper: Molecular Genetics

Honorable Mention

Samuel Clemens High School
Ronnie Kirchhof: Utilization of an "Outdoor Classroom" to Conduct Field Laboratory Investigations in an Environmental Systems Course

2009 - 2010

1st Place

John Jay Science Academy
Michael J. Scully: The Purple Martin Research Center

2nd Place

Keystone School
Layne Steinhelper: Long-Term Urban Forest Project

3rd Place

Byron P. Steele II High School
Marvin Rudd: Water Quality Analysis of the Cibolo

4th Place

Keystone School
Jason Nydegger: CO2 Incubator for Botanical/Environmental & Mammalian Tissue Culture Studies

5th Place

Pleasanton High School

Joe Ingle and Greg Schwab: A Project Based Learning Exercise for the Design and Construction of Four Rainwater Harvesting, Storage and Delivery Systems

Honorable Mention

San Antonio Christian High School

Deborah Baker: Technology and Karst Topography Connecting Students and Community with GPS

2008 - 2009

1st Place

Byron P. Steele High School

Alan Spannagel: Physical Properties of Plastic Fragments

2nd Place

McCollum High School

Brenda Carillo: Building Biological Concepts

3rd Place

South San Antonio High School

Pete Alaniz: Investigating Pond Systems

4th Place

Byron P. Steele High School

Marvin Rudd: Polymerase Chain Reaction & Comparative Protein Analysis Lab

5th Place

Keystone School

Layne Steinhelper: Soil Microplates/Microplate Reader

Honorable Mention

Alamo Heights High School

Colin Lang: Aeroscience Studies

2007 - 2008

1st Place

Medina Valley High School

Tanner Lange: Aeroscience Studies

2nd Place

Harlandale High School

Mario Gamboa: Using Biochemistry in AP Biology

3rd Place

Samuel Clemens High School

Ronnie Kirchof: Aquaponics-Can Aquaculture and Hydroponics Coexist in a Closed System?

4th Place

East Central High School

Heidi Zertuche: Environmental Science: Pond Ecosystem

5th Place

San Antonio Christian School
Deborah Baker: C.S.I. Lab Materials

Honorable Mention

Breckenridge High School
Jennifer Bessonette: You Are What You Eat-A Study of the Structure and Function of Biomolecular

2006 - 2007

1st Place

Cotulla High School
Lawrence Rinehart: Hydromania

2nd Place

Breckenridge High School
Jennifer Bessonette: Microscopy

3rd Place

Byron P. Steele High School
Robin Williams: How Age, Weight, and Stress Affect the Body

4th Place

Holy Cross High School
Yolanda Woods: Ethnobotany Exploration

Honorable Mention

Keystone School
Layne Steinhelper: Spectrophotometer

2005 - 2006

1st Place

Breckenridge High School
Jennifer Bessonette: Mini-Med School: Education Students About Community Health Issues

2nd Place

Health Careers High School
Karen Forsberg: Horizontal and Vertical Gel Electrophoresis

3rd Place

Cibolo Alternative Program
Matthew Wagner: Plant Manipulation

4th Place

Tom C. Clark High School
Marvin Rudd: Fish Farm & Hydroponic Grow Beds

Honorable Mention

Byron P. Steele II High School
Robin Williams: The REAL Reason Why Seatbelts Work

2004 - 2005

1st Place

Samuel Clemens High School

Ronnie Kirchhof: Effects of Pollution on Aquatic Ecosystems & Groundwater Sources

2nd Place

Samuel Clemens High School

Robin Williams: Integrating Biological Sciences Through Physical Sciences

3rd Place

Alamo Heights High School

Norm Collins: Team Approach to Baseball Contraption

4th Place – Tie

George W. Brackenridge High School

Jennifer Bessonette: Mammalian Anatomy Survey: A Hands-On Approach

4th Place – Tie

TMI – The Episcopal School of Texas

Mary Kennedy: Sea Urchin Embryology

2003 - 2004

1st Place

Samuel Clemens High School

Ronnie Kirchhof: Aquatic science program proposal

2nd Place

Cibolo Alternative Program

Joseph F. Stuller III: Proposal for data collection equipment, aquatic programs

3rd Place

Samuel Clemens High School

Audra Hall: Proposal, physics and chemistry electricity unit supplies

2002 - 2003

1st Place

Holy Cross of San Antonio

Pamela Clarkson proposal

2nd Place

Cibolo Alternative Program

Joseph F. Stuller III proposal

3rd Place

Robert E. Lee High School

Robin Howard proposal

4th Place

Texas Military Institute

Mary Kennedy & Julia Shulman proposal

Honorable Mention

Allison Steele Enhanced Learning Center
Julia Burke proposal

2001 - 2002

1st Place

Theodore Roosevelt High School
Barbara Simmons proposal

2nd Place

Jourdanton High School
Connie Nixon proposal

3rd Place

Memorial High School
Clara Rodriguez proposal

4th Place

Keystone School
Glen Sobey proposal

Honorable Mention

Harlandale High School
Mario Gamboa proposal

2000 - 2001

1st Place

Alamo Heights High School
Melissa Braaten Henry proposal

2nd Place

James Madison High School
Carolene Leibl proposal

3rd Place

Keystone School
Glen Sobey proposal

4th Place

Holmes High School
Tony Pierson proposal

Honorable Mention

John Marshall High School
Deborah McElreath proposal

1999 - 2000

1st Place

Holmes High School
Rosalie S. Barber: Ultraviolet Radiation Awareness and Melanoma Program

2nd Place

James Madison High School

Joyce Svalberg: Buy "River tank" for "living classroom", electrophoresis equipment

3rd Place

James Madison High School

Charles Waterman: Equipment to track lung volume, blood pressure, etc. of group of students participating in sports for duration of their 4 years of high school

4th Place

Texas Military Institute

Mary Bishop Kennedy: Long-Term Monarch Butterfly Data Project

Honorable Mention

Robert E. Lee High School

Robin Howard: DNA and other analytical equipment for Medical Microbiology Lab

1998 - 1999

1st Place

John Marshall High School

DNA Agarose Electrophoresis

2nd Place

McCollum High School

Environmental Learning Center

3rd Place

East Central High School

Photosynthetic Pigment and Reaction

4th Place

John F. Kennedy High School

Biology & Anatomy

Honorable Mention

John Jay High School

Wild Mustang Program

1997 - 1998

1st Place

McCollum High School

2nd Place

Blessed Sacrament Academy Second Chance High School

3rd Place

East Central High School

4th Place

Theodore Roosevelt High School

Honorable Mention

John F. Kennedy High School

1996 - 1997

1st Place

John Jay High School

2nd Place

Theodore Roosevelt High School

3rd Place

Blessed Sacrament Academy Second Chance High School

4th Place

John F. Kennedy High School

1995 - 1996

1st Place

John F. Kennedy High School

2nd Place

Theodore Roosevelt High School

3rd Place

Texas Military Institute

4th Place

Highlands High School

1994 - 1995

1st Place

The Winston School

2nd Place

James Madison High School

3rd Place

John F. Kennedy High School

4th Place

Alamo Heights High School

1993 - 1994

1st Place

James Madison High School

2nd Place

Alamo Heights High School

3rd Place

Winston Churchill High School

4th Place

Antonian College Preparatory