



**UNM STEM-H Center for
Outreach, Research & Education**

ANNUAL REPORT

2016-2017

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STEM-H Center Website

<http://stemed.unm.edu>

NM STEM-H Connection Statewide Collaborative Website

<http://www.nmstemh.org>

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MISSION

The **UNM STEM-H Center** advances **K-12 STEM-H*** teaching and learning through outreach, research and education activities.

**STEM-H = Science Technology Engineering Math & Health*

Our mission is accomplished by, but not limited to...

- Cultivating strategic STEM-H education focused partnerships and collaborations among UNM faculty/staff and within the community (public-private) to increase and sustain engagement and create opportunities to increase the collective impact of STEM-H education related endeavours
- Developing, facilitation and/or coordination of innovative STEM-H Educator Professional Development opportunities
- Developing, facilitation and/or coordination of STEM-H-focused student researcher workshops
- Managing STEM-H focused academic competitions for 4th-12th grade students
- Engaging in STEM-H education focused policy research and advocacy
- Providing excellent customer service throughout all of our activities

VISION

*We are a **recognized leader** in the K-12 STEM-H teaching & learning community in NM and beyond.*

*We serve as a **coordinating body** for University of New Mexico K-12 STEM-H education outreach activities in order to support the University community in its efforts to collectively reach key system-wide STEM-H education goals including increasing the recruitment, retention, and graduation of STEM-H majors.*

*We provide a **comprehensive center** for K-12 STEM-H education resources, outreach programs, and support services.*

*We are a **hub** for K-12 STEM-H teaching and learning best practices and innovation.*

*We facilitate the **cultivation** and **support** of strategic STEM-H education focused **collaborations and partnerships**.*

STEM-H CENTER TEAM VALUES

- We operate with a sense of **PURPOSE** and the desire to leave a lasting **LEGACY** in the field of STEM-H education.
- We operate, at all times, with **INTEGRITY** and **COURTESY**.
- We conduct our business in the spirit of **COOPERATION**.
- We are open to **CHANGE**, encourage **CREATIVITY**, and strive for **INNOVATION**.
- We are **ACCOUNTABLE** for our actions and are **COMMITTED** to the mission of the organization.
- We are **DEPENDABLE** and **COMPETENT**. Our team members, as well as our constituents, know we will deliver what we promise.
- We value **WISDOM** gathered through experience, seek to instill **PASSION** in our work, and act with **COURAGE** as we strive to fulfill our mission and work toward our vision on a daily basis.

From the Director



As I close out my 15th year as Director of this amazing organization, after all these years, there is still much ongoing discussion on a national level regarding that fact that U.S. students continue to lag behind those in other countries, especially in math and science. Employers attest to the fact that there are too few minority & female graduates in the pool of available STEM-H talent. Gains in those and other areas are not just dependent upon providing students with in-depth, meaningful (& real-world connected), hands-on STEM-H learning opportunities, but also upon providing STEM-H educators with high quality professional development that will impact the students in their classrooms. According to New Mexico's Federal R&D and STEM Jobs Report 2013, there will be 53,000 STEM related jobs to fill in New Mexico by 2018. There is work to be done!!

It takes a team of partners/collaborators/supporters to make the STEM-H Center successful in its efforts to advance STEM-H education in Central NM and beyond! Without our corporate and individual partners, the STEM-H Center would not be able to continue to offer successful programs for students, educators, and the community as well as work on the development of meaningful strategic collaborations/partnerships and the forward momentum needed in STEM-H education on the state/national policy fronts.

I continue to be amazed by the number of individuals and organizations connected to the STEM-H Center and its programs/services. I am constantly reminded by our students and alums that what we do, as a team, makes a difference in their lives...many times solidifying their decisions to pursue careers in STEM-H fields. If you are already one of our partners, thank you! If you have not joined our team yet, please join us as we work to ensure success in the future!

Karen M. Kinsman, MS, PMP, Director/Senior Program Manager

From the Advisory Board



*Franz Joachim, Co-Chair
General Manager &
CEO of NM PBS*

The UNM STEM-H Advisory Board reflects a robust and diverse group of community members, leaders in business/industry, and educators united in our common desire to build a vibrant STEM-H learning framework for New Mexico's students. Our children's future success is dependent upon building their literacy in science, technology, engineering and math. Our goal is to provide opportunities along with incentives to students to be challenged and grow their knowledge. With the continuing frustrations of slow economic growth

and rising college tuition costs, we need to continue our outreach, especially to those who are underserved or underrepresented in STEM fields. STEM concepts and the vastness of STEM-H career paths need to be introduced early and often throughout the education pipeline to ensure students not only have strong STEM content knowledge, but also develop critical 21st Century skills along with an awareness of the breadth of careers open to them. This will help students prepare for success in their post-secondary education pursuits as well as position them to take advantage of the many scholarship opportunities that exist for strong STEM-H career interested students.

In recent years, the STEM-H Center has extended the UNM STEM-H Research Challenge competition, in particular, to include students down to the 4th grade and continue to reach out to our public, charter, private, parochial, and homeschools in the region. The rapid growth of new technology also presents many new areas of research and problems for active minds to consider. These students are, after all, our future!

Helping parents, students, and educators overcome a lack of familiarity with these tried and true ways of solving real-world problems is fundamental to the mission and vision of the UNM STEM-H Center.



*Nels Hoenig, Co-Chair
PNM Resources &
American Society for
Quality*

Host Institution

About UNM



Founded in 1889 as New Mexico's flagship institution, The University of New Mexico now occupies nearly 800 acres near old Route 66 in the heart of [Albuquerque](#), a metropolitan area of more than 500,000 people. From the magnificent mesas to the west, past the banks of the historic Rio Grande to the Sandia Mountains to the east, Albuquerque is a blend of culture and cuisine, styles and stories, people, pursuits and panoramas. Offering a distinctive campus environment with a Pueblo Revival architectural theme, the campus buildings echo nearby Pueblo Indian villages.

The People

As a Hispanic-Serving Institution, the University represents a cross-section of cultures and backgrounds. In fall of 2015 34,656 students, attended the main, branch and HSC campuses and education centers.

UNM boasts an outstanding faculty that includes a Nobel Laureate, two MacArthur Fellows, 35 Fulbright scholars and several members of national academies. Faculty publish in many professional journals including Scientific American, The New England Journal of Medicine and Nature. UNM professors have been quoted in Newsweek, Los Angeles Times, Business Week, People Magazine, Parade Magazine, U.S. News and World Report, and The New Yorker, among others. They have shared their expertise on CNN, the Today Show, Good Morning America, Nova National Geographic and other news shows.

UNM employs more than 27,000 people statewide, including employees of [University Hospital](#). It has more than 159,000 active alumni, with Lobos in every state and more than 1,400 alumni outside the U.S. More than half of UNM's alumni choose to remain in New Mexico.

[UNM's libraries, museums](#), galleries and performance spaces are a rich cultural resources for the state. Home to the [Lobos](#) and contenders in the Mountain West Conference, UNM athletics draw fans from all over. The University Arena or "The Pit" is one of college basketball's most famous and recognizable buildings. In fact, The Pit was ranked 8th by USA Today as one of the best arenas in which to watch college basketball.

The Programs

UNM is a place where cutting-edge research and creative endeavors flourish. UNM research injects millions of dollars into New Mexico's economy, funds new advancements in healthcare, and augments teaching - giving students valuable hands-on training in state-of-the art laboratories.

The Health Sciences Center is the state's largest integrated health care treatment, research and education organization. U.S. News and World Report's 2015 edition of "America's Best Graduate Schools" ranks the [UNM School of Medicine](#) 40th in primary care and 83rd in research, while specific areas also rank again among the top 10 - [Rural Medicine](#), second, and [Family Medicine](#), ninth. Additionally, in health disciplines, UNM's [Nursing/Midwifery Program](#) is ranked fifth. [UNM School of Law](#) is ranked 72nd, while ranking 9th in clinical training. [UNM College of Fine Arts](#) is ranked 53rd, with its [Photography program](#) ranked 5th in the nation. The engineering program is ranked 87th nationally, with [Electrical Engineering](#) coming in at 53rd, and [Chemical Engineering](#) ranking at 58th.

UNM is the only Hispanic-Serving Institution in the U.S. that is also classified a Carnegie Research University with Very High Activity. Recently, Hispanic Business Magazine ranked four University schools among the top 10. The list included: UNM School of Law, 7th; UNM [Anderson School of Management](#), 4th; UNM School of Medicine, 7th; and the UNM [School of Engineering](#), 6th.

Among the University's outstanding research units are the [Center for Advanced Research Computing](#), [Cancer Center](#), New Mexico Engineering Research Institute, [Center for High Technology Materials](#), [Design Planning Assistance Center](#), and the [Mind Research Network](#).

Outreach

RESEARCH CHALLENGE



“Science Fairs” go back to at least 1928, when the American Institute of New York City first held one for city youths at the Museum of Natural History. In 1950, science fairs went under the auspices of Science Service, a non-profit institution. It became international in 1960.

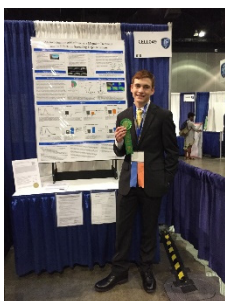


The *Central NM Science & Engineering Research Challenge* has served students, teachers, and parents since 1959. Science fairs clearly require students to research and demonstrate scientific principles or answer propositions through the development of the scientific or engineering method.

Central NM Science & Engineering Research Challenge is a two-division (junior division for middle school students and senior division for high school students), fourteen category regional student competition of science and engineering projects. The *Central NM Science & Engineering Research Challenge* qualifies students to participate in the State Science Fair and sends top qualifying students to the Intel International Science & Engineering Fair, the world’s largest pre-college research competition.

For the well-being of the United States, this nation needs to play a significant role in scientific research and development, and in the specialized educational training required for such research and development. Our nation may be in the process of abandoning its leadership role in science. There is a foreseeable future shortage of manpower to complete such research and development. To “turn the tide,” America must address this foreseeable shortcoming by increasing student interest in the various STEM-H fields by promoting those fields as feasible academic and career choices. “Science Fair” and other related STEM-H inquiry-based research competitions encourage curiosity, which is the start of the discovery process. Research competitions reward discovery and innovation as well as promoting creativity through the discovery of new problems, inventions, ideas, and solutions.

The Regional competition serves students and science teachers, grades 6 - 12. Over 10,000 students in the Central region participate in local school competitions. Schools then qualify students to move on to the Regional level. Just under 500 students participated in the *2017 Central NM Science & Engineering Research Challenge*. In 2017, a *4th & 5th Grade Research Expo* continued in conjunction with the *Central NM Science & Engineering Research Challenge* and hosted 50 students from the region.



Rusty Ludwigsen
(APS Early College Academy)

As an Intel International Science & Engineering Fair Affiliated Fair, the *Central NM Science & Engineering Research Challenge* sends a pre-determined number of projects to ISEF as competing Finalists and up to two top 8th grade student researchers to ISEF as Student Observers each year. In 2017, **Rusty Ludwigsen** (APS Early College Academy) took **4th Place Grand Award in Cellular & Molecular Biology** as well as winning a **\$40,000 Scholarship from University of Arizona**. **Jarek Kwiecinski** (ABQ Institute of Mathematics & Science) also took **4th Place Grand Award in Earth & Environmental Sciences**.



Jarek Kwiecinski
(AIMS @ UNM)

Also from the Central NM Region, competing as ISEF Finalists, were **Skyler Hughes** (ABQ Institute of Mathematics & Science), **Paris Rueul** (V. Sue Cleveland High School), **Richard Romero & Fernando Guerrero** (Rio Rancho High School), and **AnaMaria Perez** (Albuquerque Academy).

SCIENCE OLYMPIAD



Science Olympiad is an international nonprofit organization devoted to improving the quality of science education, increasing student interest in science and providing recognition for outstanding achievement in science education by both students and teachers. These goals are accomplished through classroom activities, research, training workshops and the encouragement of intramural, district, regional, state and national tournaments. Science Olympiad tournaments are rigorous academic interscholastic competitions that consist of a series of individual and team events, which students prepare for during the year. The competitions follow the format of popular board games, TV shows and athletic games. These challenging and motivational events are well balanced between the various science disciplines of biology, earth science, chemistry, physics, computers and technology. There is also a balance between events requiring knowledge of science facts, concepts, processes, skills and science applications. One of the goals of Science Olympiad is to elevate science education and learning to a level of enthusiasm and support that is normally reserved only for varsity sports programs.

In 2017, the *Central NM Science Olympiad* offered **42 events** and had **22 volunteer Event Supervisors and Event Assistants** from UNM School of Engineering, Presbyterian, Eastern New Mexico University, US Army Corps of Engineers, Sandia Labs, National Weather Service, U.S. Bureau of Reclamation, UNM Department of Earth & Planetary Science, Carrington College, AmTech, Bridgers & Paxton, and PNM. There were a total of **25 competing teams** from **14 middle and high schools** in the region.

In 2017, two of *Central NM Science Olympiad's* teams won the NM State Science Olympiad and went on to compete at the National Science Olympiad Tournament in May 2017.

Congratulations to the **Albuquerque Academy High School Team** and the **Albuquerque Area Homeschoolers Middle School Team** on making it to the National Science Olympiad competition! Congratulations to the **Albuquerque Area Homeschoolers** students who took **2nd Place in Scrambler** and **9th Place in Mission Possible** (out of 58 teams).

JUNIOR SCIENCE & HUMANITIES SYMPOSIUM



The UNM STEM-H Center took on management of the *SW Region Junior Science & Humanities Symposium (JSHS)* in 2013-2014 and continues engage in efforts to grow the program over the next several years. The STEM-H Center hosts the Southwest regional JSHS symposium. The southwest region includes all of New Mexico, Southern Colorado and northwest Texas (El Paso).

The *Junior Science & Humanities Symposium* is a national competition program designed to challenge and engage students (Grades 9-12) in science, technology, engineering or mathematics (STEM). Individual students compete for scholarships and recognition by presenting the results of their original research efforts before a panel of judges and an audience of their peers. Opportunities for hands-on workshops, panel discussions, career exploration, research lab visits and networking are planned. By participating in regional and national symposia, students may...

- Participate in a forum honoring individual achievement in STEM;
- Qualify for significant scholarships and other recognition;
- Network to enrich understanding of STEM pursuits beyond high school;
- Advance in statewide, regional, national and international symposia;
- Develop skills to help prepare for undergraduate and graduate pursuits -- skills in the application of science content to solve a problem or to gain new knowledge, writing a paper, and communicating results.

JSHS is a collaborative effort with the research arm of the Department of Defense and administered in cooperation with nationwide colleges and universities. JSHS aims to prepare and support students to contribute as future scientists and engineers -- conducting STEM research on behalf of or directly for the Department of Defense, the Federal research laboratories, or for the greater good in advancing the nation's scientific and technological progress.

In 2017, the *SW Region Junior Science & Humanities Symposium* hosted 10 students from 8 schools at the onsite level of the competition. Five students qualified to compete at the 2017 JSHS National Competition - Lillian Peterson (*Los Alamos High School*), Ashkay Jain (*La Cueva High School*), Ben Hammel (*Albuquerque High School*), Rusty Ludwigen (*APS Early College Academy*), and Lea Godret-Miertschin (*Sandia High School*).

Education *(K-12 STEM-H Educator focus)*

STEM EDUCATOR PROFESSIONAL DEVELOPMENT WORKSHOP SERIES

The STEM-H Educator Professional Development Workshops provide teachers with opportunities to engage in professional development specific to including inquiry-based science/math in their classrooms and supporting students in independent inquiry-based research projects leading to local and/or regional as well as potentially state and/or international competition. By engaging in one or more of the workshops, STEM-H educators can prepare themselves to establish or enhance a student research program in their schools/classrooms. The featured workshop, unique to the STEM-H Center, is "*Project Management for STEM-H Educators*", the development of which was a collaborative effort with the Continuing & Professional Education Department at Virginia Tech (Jennifer Carter, MA, PMP). This workshop offers STEM-H educators project management skills that not only give them the tools to manage a student research program, but also the ability to easily apply for supplemental funding using the language of business/industry, thus giving them a leg up in the world of competitive philanthropy! The PM for STEM-H Educators training also equips teachers to transfer these skills to their students, thus providing students an early opportunity to develop an extremely useful, transferable, and marketable set of 21st Century skills.

In 2015-2016, workshops included Research Challenge Bootcamp (on-site and online), PM for STEM-H Educators (on-site), Managing Local STEM-H Competitions (online), and Responsible Conduct of Research & Human/Animal Protections in Student Research (online). The STEM-H Educator Professional Development Workshops will continue to evolve over time as needs are identified and incorporated.

In June 2016, the STEM-H Center Director presented workshops at the NM Public Education Department's STEM Symposium at which 400 teachers from around the state spent two days participating in high quality professional development opportunities.

STUDENT PROJECT DEVELOPMENT BOOTCAMP



The STEM-H Student Project Development Bootcamp provides 5th-12th grade student researchers with project development skills/support/resources along with an introduction to topics like Project Development, Responsible Conduct of Research, Statistics/Data Analysis, Judging Preparation, etc. The STEM-H Student Project Development Bootcamp will be expanded over time as needs are identified and incorporated. Workshops are conducted in collaboration with UNM and community partners who generously share their time/talent. In the Fall of 2016, a collaboration between the STEM-H Center and Explora Science Center was created. Explora's amazing STEM-H educators facilitated the Student Project Development Bootcamps AND physically hosted them at Explora! This partnership will continue and grow in 2017-2018.

STEM-H RESOURCE CENTER/LENDING LIBRARY

The UNM STEM-H Resource Center/Lending Library is a short-term small equipment & curriculum materials lending library for teachers, schools, homeschool/middle/high school students & community groups as well as University level students/ faculty. The UNM STEM-H Resource Center also offers internet access and printing capability for individuals who need a place to do online research. As there is no longer ongoing funding to expand the Lending Library, the STEM-H Center is maintaining it with its current inventory and there are no plans in place for expansion in FY18.

Research/Policy/Advocacy

NM STEM-H CONNECTION STATEWIDE WEBSITE



The NM STEM-H Connection Website contains robust, searchable, web-based databases of STEM-H education related people, programs, and initiatives. It is also a comprehensive website of NM STEM-H Education resources and tools with links to New Mexico specific and National sites. It is designed to encourage increased collaboration/communication throughout the NM STEM-H Education communities as well as to offer the public opportunities to access statewide STEM-H experts along with their programs, projects, and initiatives whether they be teacher professional development, summer programs, research opportunities, connections with potential mentors, consultants, volunteers, judges, etc. Initial development funding for this project was provided by Conoco Phillips and Bank of America. Additional start-up and ongoing in-kind support from NM EPSCoR was also critical (URL for the site as well as ongoing site hosting). The site contents have been informed by the NM STEM Collective Impact Team's high priority action items. Phase 2 of the project has included several enhancements to the user experience, analytics/reporting development, and addition of a STEM-H Careers Exploration component.

Partnerships have been developed as part of the growth of the NM STEM-H Connection website with Science Buddies, NM PBS, STEMfinity, Arbor Scientific, and others...with more actively being cultivated and finalized. Additional funding is always being sought to support requested development and enhancements to the site. At this time, no supplemental funding is available, so the site is being maintained without any additional enhancements or functionality. Should funding become available, the web developer will begin work on the growing list of desired new functions.

Development of Strategic STEM-H Education Partnerships/Collaborations

Below are examples (not an exhaustive list) of strategic STEM-H Education relationships/collaborations/partnerships that were developed, maintained, or cultivated out of the STEM-H Center for Outreach, Research & Education in 2016-2017:

- Arbor Scientific
- Central NM STEM-H Learning Ecosystem
- EPSCoR
- HSC Institutional Animal Care & Use Committee
- UNM Human Protections Office
- Mission Graduate STEM Council
- NM Academy of Science
- NM Coalition of Charter Schools
- NM MESA
- NM Partnership for Mathematics & Science Education
- New Mexico PBS
- Foundations 4 Success, Inc.
- BrainHackers
- NM Public Education Department Math & Science Advisory Council
- NM Science Teachers Association/NM Council of Teachers of Mathematics/Environmental Education Association of NM
- NM Supercomputing Challenge
- Science Buddies national website
- Southwest Indian Polytechnic Institute (NASA Grant Advisory Council)
- Southern Illinois University at Edwardsville STEM Center
- STEMConnector
- STEMfinity
- UNM Engineering Student Services & Outreach Programs
- Central NM STEM-H Ecosystem
- Explora Science Center
- UNM Los Alamos (Title 3 Grant)
- UNM Office of Research (faculty research support)

- UNM HSC Office for Diversity
- UNM Responsible Conduct of Research Program
- UNM School of Engineering (CREST Grant - Dr. Kerry Howe; Internal Advisory Committee)
- US Army Corps of Engineers - Albuquerque District
- Virginia Tech Division of Continuing & Professional Development - Jennifer Carter

Beginning in the Fall of 2017, the STEM-H Center has been invited to be part of a team emanating out of the NM Public Education Department’s Bureau of College & Career Readiness as they develop and pilot, via the [Project ECHO](#) model, an innovative approach to bringing the “experts” to school counselors, educators, and school leadership around ensuring that every student in New Mexico, regardless of geographic location, has access to high quality information and guidance around the development of their “Next Step Plan” which charts their desired course after high school. That course may be to a 4-year college/university, a 2-year college, a certification program, an apprenticeship, or any number of other options. The intent is to be sure that students are armed with the best information possible about all the options in front of them, have the ability to determine their interests, and then have everything they need to make informed choices about their future career paths.

Policy/Advocacy

As part of the HSC Office for Diversity, we have continued working with the UNM Office of Government & Community Relations to support STEM-H education related strategic collaborations, policy research/development as well as with federal and state legislative and executive branch contacts (PED/HED, NM State Legislature, US Congressional offices, and NSF). This work will expand and continue as deemed strategically appropriate and valuable. The STEM-H Center’s Director is currently serving on several regional and statewide STEM-H education related boards/councils including the NM Partnership for Mathematics & Science Education, Mission Graduate STEM Council, External Advisory Committee for the Southwest Indian Polytechnic Institute - NASA Grant *“Information Technology Experiences Using Simulated Tele-Science Exploration of Mars”* (2014-2017), the Internal Advisory Committee for the UNM School of Engineering: Center for Water and the Environment - NSF CREST Grant (2014-2019), and the Central NM STEM-H Learning Ecosystem (recently renamed “STEM-NM”).



“OUR CHILDREN’S
FUTURE SUCCESS IS
DEPENDENT UPON
BUILDING THEIR
LITERACY IN SCIENCE,
TECHNOLOGY,
ENGINEERING, AND
MATH.”

2016-2017 Advisory Board & Staff

BOARD MEMBERS

Franz Joachim, CO-CHAIR
New Mexico PBS

Nels Hoenig, CO-CHAIR
American Society for Quality/PNM Resources

Connie Beimer
Director, UNM Ofc of Gov't & Community Relations

Debra Novak
NM Museum of Natural History & Science

Dr. Leonard Duda
Sandia National Laboratories (Retired)

Dr. Lorna Joachim
UNM Department of Psychology

Dr. Mary Jo Daniel
UNM Office of the Vice President for Research

Dr. Patricia Wagner
Albuquerque Public Schools (Retired)/Donor

Dr. Valerie Romero-Leggott
Vice Chancellor, HSC Office for Diversity

Elaine Foreman
Retired Nurse/Donor

Gail Vavruska-Marcum
PNM Resources

James Vigerust
CBI Federal Services, Inc.

John Gallegos
NAIOP NM - Commercial Real Estate Dev. Assoc.

Joshua Corbin
HSC Office for Diversity

Leslie Keeney
Rio Rancho High School

Lynne Andersen
NAIOP NM - Commercial Real Estate Dev. Assoc.

Ray Nance
Retired STEM Educator/PhD Cand. in Educ. Leadership

Reg Bourgeois
US Army Corps of Engineers - ABQ District

Turtle Haste
APS Middle School Science Teacher

STEM-H CENTER STAFF

Karen Kinsman, MS, PMP
Director/Senior Program Manager

Erin Garcia, JD
Program Specialist

Laura Arguelles
Programmer/Analyst 3/Web Developer

Diana Padilla
Administrative Assistant 2 (until May 2017)



Financial Information

Below is a 5-year graph of STEM-H Center's revenues and expenses that offers a visual comparison, year to year, of the Center's financial performance. From FY12 through FY15, the STEM-H Center carried forward positive balances at the end of each fiscal year. This was after several years early in the current Director's tenure in which, due to a number of factors including underfunding of salaries/fringe, the Center had carried forward deficits. In FY16, a small deficit was carried forward as a result of multiple physical moves and related expenses along with a sluggish economy that contributed to slightly lower donations/sponsorships. In FY17, the STEM-H Center team worked diligently to identify areas in which operations could be accomplished more efficiently as well as areas in which additional fundraising efforts could be focused and, as a result, ended the fiscal year with a health positive balance forward. This balance has been earmarked and distributed to budget line items in support of the anticipated additional costs of taking the Research Challenge event off the UNM campus in 2018 (due to construction on the UNM campus) as well as to assist in upgrading aging technology, purchase needed supplies, etc.

The STEM-H Center receives half of its Institutional Sponsorship from the main campus Office of the Vice President for Research of \$85,000 annually which goes into what is called an F&A Index. The Health Sciences Center provides another \$85,000 in Institutional Sponsorship via the Office for Diversity, so half of the salary/fringe and other support expenses for the STEM-H Center have been taken on by the HSC Office for Diversity. Student/Participant Entry Fees are also deposited into the F&A Index as they are not considered donations and are not allowable Foundation Index deposits. All remaining funds are raised via sponsorships and donations which go into the STEM-H Center's UNM Foundation Index out of which all operational program expenses are paid with the exception of salaries/fringe benefits for regular and student employees.

A Memorandum of Understanding exists between the Office of the Provost and the Health Sciences Center that went into effect in mid-2015. That MOU contains an agreement that the main campus Office of the Vice President for Research will continue providing the \$170,000 Institutional Sponsorship through FY17. Beginning in FY18, the MOU dictates a 50/50 split of that sponsorship between the Office of Research and the Health Sciences Center (as outlined above). As has been the case for a number of years, that \$170,000 covers the vast majority of staff salaries/fringe benefits, but covers no other expenses and does not allow for any salary increases in the foreseeable future. Given UNM's current financial position along with the recent cuts in State funding due to the dismal condition of the NM State budget, we are unable, at this time, to make any predictions about the future of the Institutional Sponsorship beyond FY18. It is certainly our hope that the support will continue as a joint sponsorship from the Office of the Vice President for Research and the Health Sciences Center as laid out in the 2015 MOU. The obligation is being honored for FY18 in spite of the budget cuts that were necessitated at the University level by the NM State Budget.

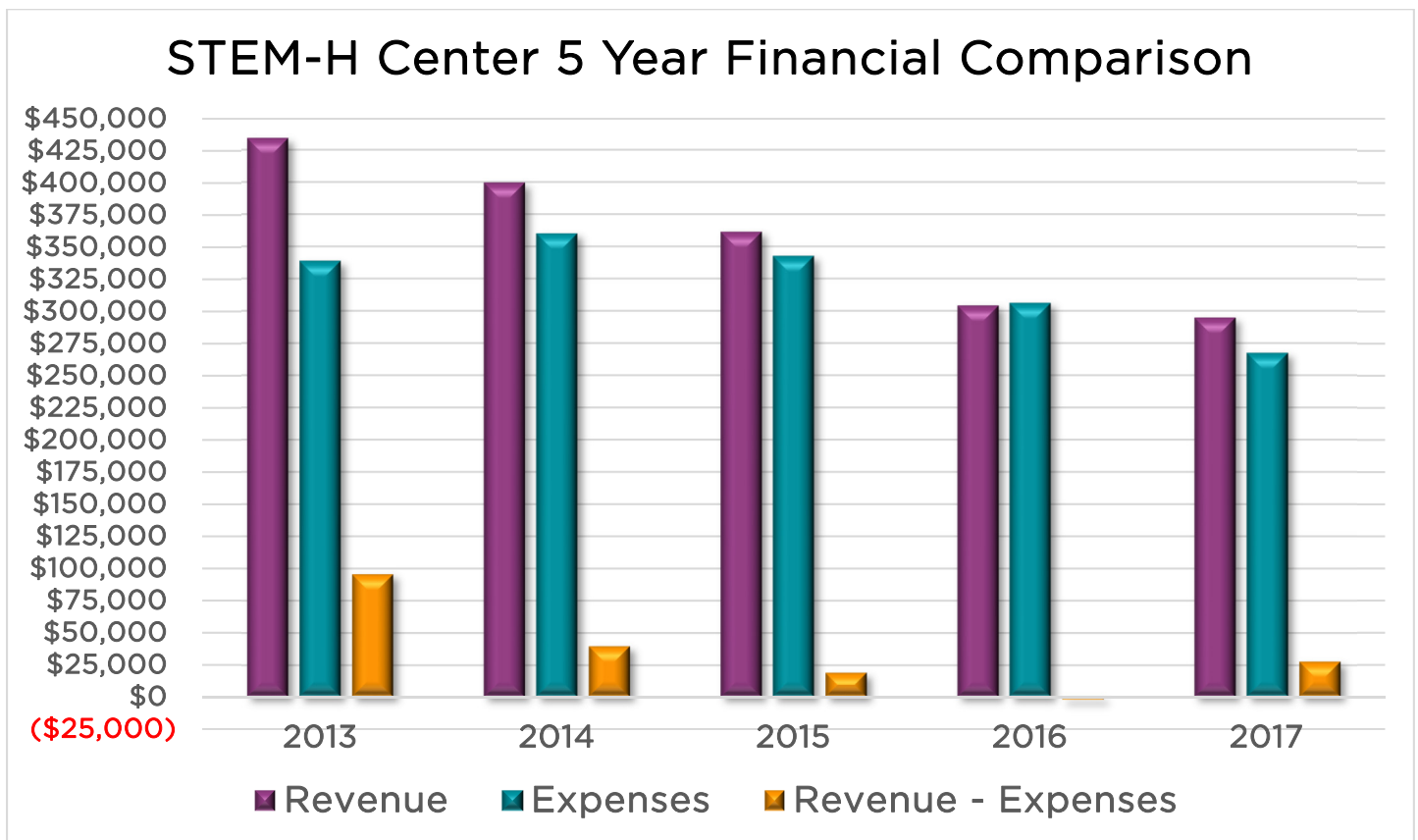
Historically, the STEM-H Center has raised the revenue needed to cover its program operating expenses (aside from staff salaries and fringe benefits covered by the Office of the Vice President for Research Institutional Sponsorship as well as some administrative expenses now covered by the Health Sciences Center Office for Diversity where the STEM-H Center resides). For the past three years, the STEM-H Center staff has worked hard to identify ways to decrease expenses knowing the economy was not favorable for robust fundraising.

Current Financial Implications

At the end of the FY16, the STEM-H Center's overall annual expenses had decreased by nearly \$54,000 from the 2014 level, but annual revenue had also, unfortunately, decreased by nearly three times that amount creating a situation in which revenue generation was not keeping pace with

program operating costs. The decrease in revenue resulted predominantly from a troubled economy that necessitated funders pulling back the amount of money they were able to donate in support of organizations like the STEM-H Center as well as the gradual spending down of the carryover mentioned above. Since our economy took a turn for the worse a few years ago, donor organizations have, in many cases, had to revisit their giving strategies, redefine their giving priorities, and those decisions resulted in organizations like ours often receiving either lesser amounts from long-time funders or those long-time supporters pulling back completely.

Having come into FY17 with an overall deficit of a little more than \$2,000, the STEM-H Center team worked very hard to identify areas in which savings could be realized and costs could be reduced while still providing the highest quality programs and services possible. As a result, the Center ended FY17 with a Balance Forward of just over \$24,000. Though that may seem like a lot, given the Central NM Research Challenge has to be hosted off campus in 2018 due to major renovations in the Johnson Center complex, this balance forward will provide the funds needed to cover the increased costs anticipated as a result of the off campus move for Research Challenge as well as allow the Center to update some of its computer equipment, purchase other needed supplies, etc.



The STEM-H Center team worked diligently to identify areas in which operations could be accomplished more efficiently as well as areas in which additional fundraising efforts could be focused and, as a result, ended the fiscal year with a positive balance forward that will help support the anticipated increased costs for the 2018 Research Challenge which will be held off campus due to UNM construction.

FY17 BUSINESS/COMMUNITY GROUP DONORS

(Includes In-Kind Donors for which donation value is known)

DONOR ORGANIZATION	VALUE	LEVEL
UNM Office of the Vice President for Research	\$170,000.00	Plutonium
NAIOP <i>(includes \$24,675 from member orgs w/in list)</i>	\$29,675.00	Gold
UNM HSC Office for Diversity	\$25,000.00	Gold
Lockheed Martin/Sandia Nat'l Laboratories	\$20,000.00	Gold
University of New Mexico Health Sciences Center	\$15,000.00	Platinum
UNM Scholarship Office - Jackling Fund	\$15,000.00	Platinum
UNM School of Engineering	\$8,000.00	Zinc
American Academy of Science	\$5,975.00	Zinc
Intel	\$5,400.00	Zinc
Ethicon Endo-Surgery	\$5,250.00	Zinc
Albuquerque Journal	\$5,000.00	Zinc
Peacock Myers, P.C.	\$5,000.00	Zinc
PNM Resources	\$3,500.00	Copper
LANL Foundation	\$2,500.00	Copper
New Mexico PBS	\$2,500.00	Copper
Northrup Grumman Mission Systems	\$2,000.00	Aluminum
Advanced Communications	\$1,600.00	Aluminum
Bohannon Huston	\$1,200.00	Aluminum
CYRQ Energy	\$1,000.00	Aluminum
New Mexico Gas Company	\$1,000.00	Aluminum
UNM Center of Excellence for Water and the Environment	\$1,000.00	Aluminum
American Society for Quality (ASQ), Albuquerque Section 1400	\$650.00	Carbon
Kiwanis Club of Coronado	\$650.00	Carbon
Frontier Restaurant	\$600.00	Carbon
Old Republic National Title Insurance	\$600.00	Carbon
University of New Mexico College of Pharmacy	\$600.00	Carbon
AEgis Technology Group & the Appel Family	\$525.00	Carbon
Boeing	\$500.00	Carbon

Bridgers & Paxton Consulting Engineers	\$500.00	Carbon
Cauwels & Stuve Realty and Development Advisors, LLC	\$500.00	Carbon
CliftonLarsonAllen	\$500.00	Carbon
CREW (Commerical Real Estate Women)	\$500.00	Carbon
Dekker/Perich/Sabatini	\$500.00	Carbon
Huning Ltd. Partnership	\$500.00	Carbon
IEEE Photonics Society	\$500.00	Carbon
Jaynes Corporation	\$500.00	Carbon
Kiwanis Club of Manzano Sunrise	\$500.00	Carbon
Klinger Constructors	\$500.00	Carbon
New Mexico Bank & Trust	\$500.00	Carbon
Raytheon	\$500.00	Carbon
UNM Communications & Marketing	\$500.00	Carbon
American Chemical Society - Central New Mexico Section	\$450.00	Helium
International Test & Evaluation Association , Roadrunner Chapter	\$450.00	Helium
General Mills	\$440.00	Helium
American Institute of Aeronautics and Astronautics	\$400.00	Helium
Albuquerque Soaring Club	\$360.00	Helium
Argus Investment Realty, Inc.	\$350.00	Helium
Solar and Sustainability in New Mexico	\$320.00	Helium
Explora Science Center and Children's Museum	\$310.00	Helium
Albuquerque Amateur Radio Club	\$300.00	Helium
Albuquerque Area Extension Master Gardeners	\$300.00	Helium
American Society of Safety Engineers - New Mexico Chapter	\$300.00	Helium
American Vacuum Society - NM Chapter	\$300.00	Helium
Associated Contractors of New Mexico	\$300.00	Helium
Brycon Construction	\$300.00	Helium
ECONOMIC FORUM/ R.E.M. Properties	\$300.00	Helium
Geo-Science Solutions LLC	\$300.00	Helium
Society of Women Engineers, Central New Mexico Section	\$300.00	Helium
Sun Vista General Contracting	\$300.00	Helium

UNM Department of Neurosciences	\$300.00	Helium
West Wood Realty LLC	\$300.00	Helium
AIC General Contractors, Inc.	\$250.00	Helium
Albuquerque Geological Society	\$250.00	Helium
Anchor Built	\$250.00	Helium
Bank of New Mexico	\$250.00	Helium
Century Sign Builders	\$250.00	Helium
Chavez-Grievess Consulting Engineers	\$250.00	Helium
Enterprise Builders Corporation	\$250.00	Helium
Garrett Development	\$250.00	Helium
Geltmore, Inc.	\$250.00	Helium
Home Builders Association of Central NM	\$250.00	Helium
Keleher & McLeod	\$250.00	Helium
Lastrapes, Spangler & Pacheco PA	\$250.00	Helium
SMPC Architects	\$250.00	Helium
Terracon	\$250.00	Helium
Titan Development	\$250.00	Helium
Wilger Enterprises Inc.	\$250.00	Helium
Civil Air Patrol - New Mexico Wing	\$231.00	Hydrogen
Albuquerque Association for Gifted and Talented Students	\$200.00	Hydrogen
Albuquerque Astronomical Society and Accent Southwest Windows	\$200.00	Hydrogen
Allen Sigmon Real Estate	\$200.00	Hydrogen
AMEC Foster Wheeler	\$200.00	Hydrogen
ASHRAE NM Chapter	\$200.00	Hydrogen
BUILD GREEN NEW MEXICO	\$200.00	Hydrogen
BUILD New Mexico	\$200.00	Hydrogen
FBT Architects	\$200.00	Hydrogen
First Citizens Bank	\$200.00	Hydrogen
Installation Service Heating Cooling	\$200.00	Hydrogen
KOAT/Byron Morton	\$200.00	Hydrogen
Land Advisors Corp.	\$200.00	Hydrogen

Miller Stratvert Law Firm	\$200.00	Hydrogen
New Mexico Engineering Foundation	\$200.00	Hydrogen
Trinity Section of the American Nuclear Society	\$200.00	Hydrogen
United States Navy and Marine Corps	\$200.00	Hydrogen
United States Public Health Service	\$200.00	Hydrogen
Wells Fargo Bank	\$200.00	Hydrogen
Carnes & Co.	\$175.00	Hydrogen
Western States Fire Protection Company	\$160.00	Hydrogen
Alvarado Management	\$150.00	Hydrogen
American Council of Engineering Companies New Mexico	\$150.00	Hydrogen
Enchanted Lens Camera Club	\$150.00	Hydrogen
First National Rio Grande	\$150.00	Hydrogen
National Museum of Nuclear Science & History	\$150.00	Hydrogen
New Mexico Trout	\$150.00	Hydrogen
Springer 5 Investments	\$150.00	Hydrogen
Stewart Title of Albuquerque	\$150.00	Hydrogen
Sutin, Thayer & Browne	\$150.00	Hydrogen
Albuquerque African Violet Club	\$100.00	Hydrogen
Biophysical Society	\$100.00	Hydrogen
CBRE	\$100.00	Hydrogen
Climate Change New Mexico	\$100.00	Ochoa
Coldwell Banker Las Colinas	\$100.00	Hydrogen
Daskalos Properties	\$100.00	Hydrogen
Don Chalmers Ford	\$100.00	Hydrogen
ENLACE Statewide Collaborative	\$100.00	Hydrogen
Goodman's Interior Structures	\$100.00	Hydrogen
Kiwanis Club of Sandias	\$100.00	Hydrogen
Mhenrie Land Water Law	\$100.00	Hydrogen
Myers, McCreedy & Myers	\$100.00	Hydrogen
NM Museum of Natural History & Science	\$100.00	Hydrogen
Reid & Associates	\$100.00	Hydrogen

Sandia Grotto	\$100.00	Hydrogen
SIARZA Social Digital	\$100.00	Hydrogen
United States Air Force	\$100.00	Hydrogen
Albuquerque Isotopes	\$60.00	Hydrogen
Highway Employees Assoc. of the NM Department of Transportation	\$60.00	Hydrogen
JW Data, LLC	\$60.00	Hydrogen
NM Speech, Language & Hearing Association	\$50.00	Hydrogen
UNM Bookstore	\$50.00	Hydrogen
OLO Yogurt Studio	\$30.00	Hydrogen
Rude Boy Cookies	\$30.00	Hydrogen
Lakeshore Learning	\$25.00	Hydrogen
FY2017 BUSINESS & COMMUNITY ORGANIZATION TOTAL VALUE OF SPONSORSHIPS/DONATIONS = <i>**Total is less \$24,675 that reflects NAIOP member organizations' donations for student/teacher awards that are reflected in individual business listings above.**</i>		\$329,811.00

STEM-H Center: FY17 INDIVIDUAL DONORS

(Includes In-Kind Donations for which the value is known)

DONOR	VALUE	LEVEL
Dennis Spanogle	\$5,000.00	Einstein
Pat & Len Duda	\$2,980.00	Einstein
Mary Louise Martignoni	\$2,000.00	Curie
Foreman Family	\$1,200.00	Darwin
Mary Fuka	\$800.00	Carver
Van Pham	\$800.00	Carver
Gail Varuska-Marcum	\$750.00	Carver
Jerry Cross	\$600.00	Carver
Cordwell Family	\$500.00	Carver
Holly Lowe	\$500.00	Carver
Keith Meyer & Mary Meyer, Ph.D	\$500.00	Carver
Ed Thomas	\$400.00	Newton
Kris Jaffa	\$400.00	Newton
Randi Buck	\$400.00	Newton
Calvin Lucero	\$375.00	Newton

Robert Arguelles	\$375.00	Newton
Dr. Gerard & Mildred Kaye	\$300.00	Newton
Lynne Anderson & John Gallegos	\$250.00	Newton
Patricia Wagner	\$250.00	Newton
James Topmiller	\$200.00	Ochoa
Todd Thompson	\$200.00	Ochoa
John R. Lewinger	\$150.00	Ochoa
Lawrence M. Wells, Attorney at Law	\$125.00	Ochoa
Kenneth & Belinda Eras	\$104.59	Ochoa
Randy Woodcock	\$104.59	Ochoa
Billy Jimenez	\$100.00	Ochoa
Charles P. Price III	\$100.00	Ochoa
Dave and Rhonda Hill	\$100.00	Ochoa
Dave Giddens and Elizabeth Jeppesen	\$100.00	Ochoa
Tom Grossman	\$100.00	Ochoa
William Chambers	\$100.00	Ochoa
Andrew Prokopaik	\$50.00	Gates
Mark Burton	\$50.00	Gates
Richard Cuddihy	\$50.00	Gates
Vigerust Family	\$50.00	Gates
Sheila Doucette	\$25.00	Ross
FY2017 INDIVIDUAL SPONSORSHIPS/DONATIONS = <i>**Vast majority of Individual donations currently reflect either student/teacher awards at Research Challenge OR in-kind donations of consultation services.**</i>	\$20,089.18	
FY2017 COMBINED MONETARY/IN-KIND SPONSORSHIPS & DONATIONS TOTAL =	\$409,900.18	

**THANK YOU FOR THE
GENEROSITY OF ALL OUR
DONORS!**

Schools Served in FY17

ALL public, private, parochial, charter, and home schools in Central New Mexico are eligible to participate in Research Challenge and Science Olympiad. Participation in SW Junior Science & Humanities Symposium is open to high school students throughout NM, the El Paso area of west Texas, and southern Colorado. All participating schools along with the programs in which their students participated, the type of school, and the school's Title 1 status are indicated (*Title I, Part A [Title I] of the Elementary and Secondary Education Act or ESEA, as amended, provides financial assistance to local educational agencies (LEAs) and schools with high numbers or high percentages of children from low-income families to help ensure that all children meet challenging state academic standards*).

REGISTERED SCHOOLS	Central NM Science & Engineering Research Challenge	Central NM 4th/5th Grade Research Expo	Central NM Science Olympiad	SW Junior Science & Humanities Symposium	School Type	Title I School
Albuquerque Academy (High School)	X		X ²		PRIVATE	✗
Albuquerque Area Homeschoolers			X ²		HOME	✗
Albuquerque Christian School	X	X			PRIVATE	✗
Albuquerque High School	X			X	PUBLIC	✓
Albuquerque Institute of Math & Science	X				CHARTER	✗
Albuquerque School of Excellence	X	X	X ²		CHARTER	✓
Albuquerque Sign Language Academy	X	X			CHARTER	✓
Alice King Charter School	X				CHARTER	✗
Amy Biehl Charter High	X				CHARTER	✓
Annunciation Middle School	X				PRIVATE	✗
Bernalillo Middle School	X				PUBLIC	✓
Bosque Farms Elementary	X	X			PUBLIC	✓
Bosque School			X ²		PRIVATE	✗
Chamisa Elementary		X			PUBLIC	✗
Cleveland Middle School	X				PUBLIC	✓
Corrales Elementary School		X			PUBLIC	✗
Cottonwood Classical			X ³ (1 MS; 2 HS)		CHARTER	✗
Early College Academy	X			X	PUBLIC	✗
Holy Child Catholic School	X				PRIVATE	✗
Holy Ghost Middle School	X				PRIVATE	✗
Hoover Middle School	X				PUBLIC	✓
Hope Christian School	X				PRIVATE	✗
Immanuel Lutheran	X				PRIVATE	✗
Jefferson Middle School	X				PUBLIC	✓
Kennedy Middle School			X ²		PUBLIC	✓
La Cueva High School	X		X ²	X	PUBLIC	✗
Longfellow Elementary		X			PUBLIC	✓
Los Alamos High School				X	PUBLIC	✗

REGISTERED SCHOOLS	Central NM Science & Engineering Research Challenge	Central NM 4th/5th Grade Research Expo	Central NM Science Olympiad	SW Junior Science & Humanities Symposium	School Type	Title I School
Los Lunas High School	X		X ²		PUBLIC	✓
Los Lunas Middle School	X				PUBLIC	✓
Manzano High School	X				PUBLIC	✓
Media Arts Collaborative Charter School	X				CHARTER	✓
North Valley Academy	X				CHARTER	✓
Our Lady of Fatima	X	X			PRIVATE	✗
Our Lady's Assumption	X				PRIVATE	✗
Peralta Elementary	X				PUBLIC	✓
Prince of Peace Lutheran	X				PRIVATE	✗
Queen of Heaven	X	X			PRIVATE	✗
Rio Grande Enrichment Studies	X				HOME	✗
Rio Rancho High School	X		X	X	PUBLIC	✗
Route 66 Elementary School		X			PUBLIC	✓
Salam Academy	X	X			PRIVATE	✗
SAMS Academy			X		CHARTER	✗
San Antonito Elementary School		X			PUBLIC	✗
San Felipe de Neri School	X				PRIVATE	✗
Sandia High School	X		X	X	PUBLIC	✗
St. Mary's School (Abq)	X				PRIVATE	✗
St. Pius X High School	X		X ²	X	PRIVATE	✗
St. Therese Catholic School	X				PRIVATE	✗
St. Thomas Aquinas School	X				PRIVATE	✗
STEM Excellence Homeschool	X				HOME	✗
Sue Cleveland High School			X	X	PUBLIC	✗
Sundance Elementary	X				PUBLIC	✓
The ASK Academy	X				CHARTER	✗
Valencia High School	X				PUBLIC	✓
Wilson Middle School			X ²		PUBLIC	✓
TOTALS =	43	12	14 Schools <i>(Registered)</i> 13 Schools <i>(Participated)</i> 23 of 25 Teams <i>(Participated)</i>	8	Public = 25 Private = 18 Charter = 10 Homeschool = 3	Title I = 37.5%

✓ = Title I School

✗ = Not Title I School

x = Fielded "x" # Regional Science Olympiad Teams

APPENDICES

Volunteer Hours & Value of Time

Research Challenge Statistics

JSHS Statistics

Science Olympiad Statistics

Awards Values

Award Donors List

2016-2017 Volunteer Hours & Value of Time

2017 Central NM Science & Engineering Research Challenge	# of Volunteers	# of Volunteer Hours	Value of Volunteer Hours
Category Judges <i>(8 hrs per judge @ \$30/hr avg in-kind time donation, includes 4th/5th Judges)</i>	225	1800	\$54,000.00
Judge Chairs/Master Chairs <i>(25 hrs per judge @ \$30/hr avg in-kind time donation)</i>	27	675	\$20,250.00
Special Awards Judges <i>(4 hrs per judge @ \$30/hr avg in-kind time donation)</i>	125	500	\$15,000.00
Special Awards Judging Coordinator <i>(40 hrs @ \$30/hr avg in-kind time donation)</i>	1	40	\$1,200.00
Registration Volunteers <i>(3 hrs per volunteer @ \$30/hr avg in-kind time donation)</i>	20	60	\$1,800.00
Registration Volunteers Coordinator <i>(40 hrs @ \$30/hr avg in-kind time donation)</i>	1	40	\$1,200.00
Display & Safety Inspectors <i>(4 hrs per volunteer @ \$30/hr avg in-kind time donation)</i>	20	80	\$2,400.00
Display & Safety Committee Chairs <i>(15 hrs per volunteer @ \$30/hr avg in-kind time donation)</i>	2	30	\$900.00
TOTAL SERC VOLUNTEERS =	421	3225	\$96,750.00

2017 Advisory Board Members	# of Volunteers	# of Volunteer Hours	Value of Volunteer Hours
Board Members - Volunteer <i>(8 hrs per board member @ \$30/hr avg in-kind time donation)</i>	19	152	\$4,560.00
TOTAL ADVISORY BOARD VOLUNTEERS =	19	152	\$4,560.00

2017 Central NM Science Olympiad	# of Volunteers	# of Volunteer Hours	Value of Volunteer Hours
Events with Volunteer Event Supervisors <i>(16 hrs per ES for prep & facilitation @ \$30/hr avg in-kind time donation)</i>	30	480	\$14,400.00
Other Volunteers <i>(Average 4 hrs each, Average 1 per event @ \$30/hr avg in-kind time donation)</i>	25	100	\$3,000.00
TOTAL SO VOLUNTEERS =	55	580	\$17,400.00

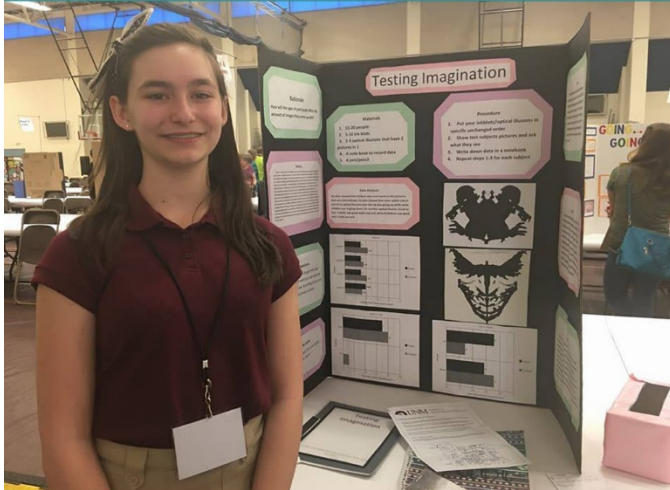
2017 SW Junior Science & Humanities Symposium (JSHS)	# of Volunteers	# of Volunteer Hours	Value of Volunteer Hours
Judges <i>(8 hrs per judge @ \$30/hr avg in-kind time donation)</i>	8	64	\$1,920.00
Judging Coordinator <i>(40 hours @ \$30/hr avg in-kind time donation)</i>	1	40	\$1,200.00
TOTAL JSHS VOLUNTEERS =	9	104	\$3,120.00

	TOTAL # Volunteers	TOTAL # Volunteer Hours	TOTAL Value Volunteer Hours
FY17 GRAND TOTALS =	504	4061	\$121,830.00

Volunteer time value calculated at \$30/hour which is higher than standard \$22.14/hour, but majority of our judges/volunteers are STEM professionals/retirees whose hourly pay rate is significantly higher than even \$30/hour.

2017

Central New Mexico Research Challenge



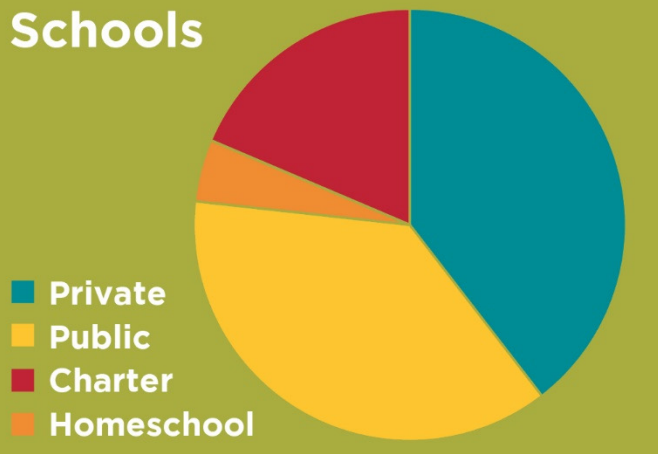
Gender



53% Females 47% Males

Over 3,000 volunteer hours were donated

Schools



Title I
39.5%

Not Title I
60.5%

\$57,860.00 was awarded to Central New Mexico kids in 2017 alone.



Ethnicity

African American 1.6%

Asian/Pacific Islander 6.8%

Caucasian/White 48.7%

Hispanic 31.7%

Native American 2.6%

Other 4.0%

Unspecified 4.7%

2017

Central New Mexico Science Olympiad



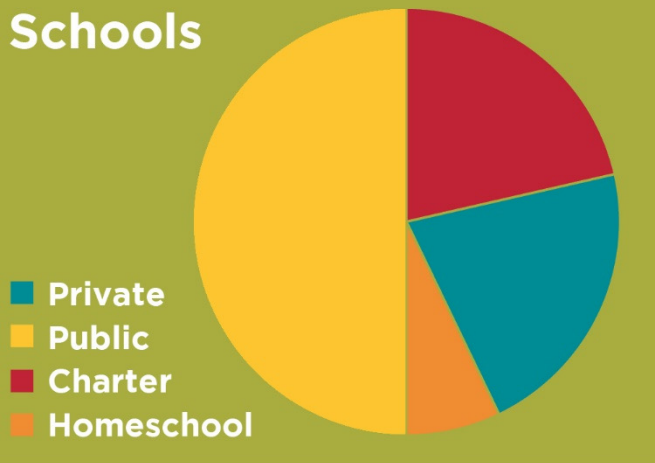
Gender



45.9% Females 54.1% Males

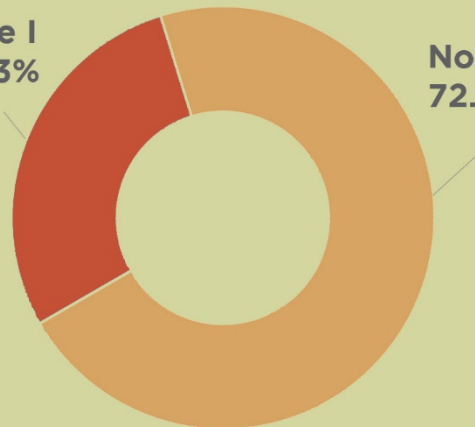
In 2017, the Central NM Science Olympiad offered 42 events and had 22 volunteer Event Supervisors and Event Assistants

Schools



Title I
27.3%

Not Title I
72.8%



There were a total of 25 competing teams from 14 middle and high schools in the region.



African American 1.3% **Ethnicity**

Asian/Pacific Islander 17.9%

Caucasian/White 46.7%

Hispanic 21.4%

Native American 3.9%

Middle Eastern 3.9%

Other 4.85%

2017 South West Junior Science And Humanities Symposia



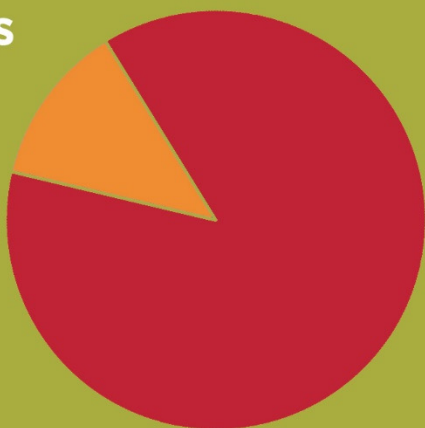
Gender



50% Females 50% Males

\$4,000.00 was awarded to Central New Mexico kids!

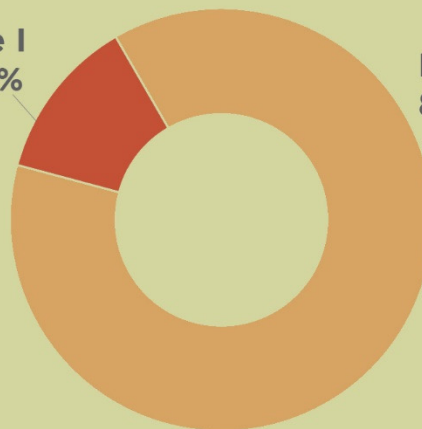
Schools



Private
Public

Title I
12.5%

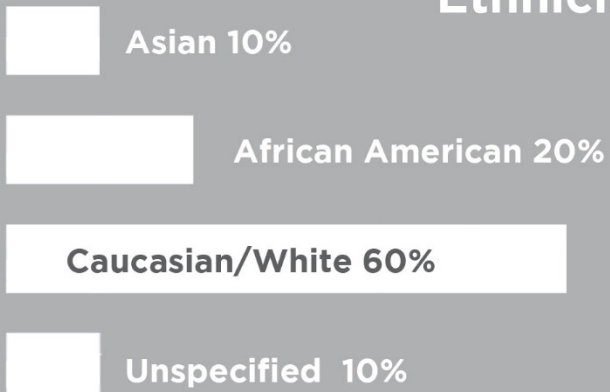
Not Title I
87.5%



Five students qualified to compete at the 2017 JSHS National Competition



Ethnicity



2017

All Programs Demographics Combined



Gender



50.8% Females 49.2% Males

Over 4,000 volunteer hours were donated

Schools



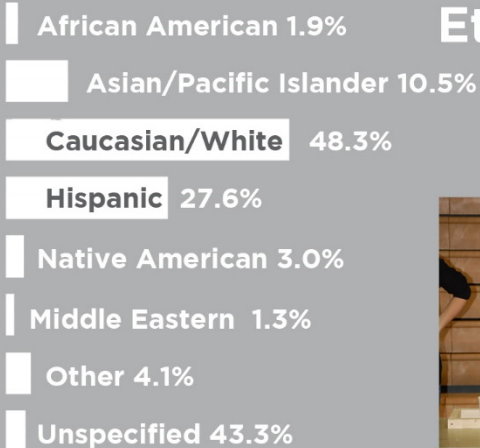
Title I
37.5%

Not Title I
62.5%

\$62,860.00 was awarded to Central New Mexico kids in 2017 alone.



Ethnicity



2017 Central NM Science & Engineering Research Challenge AWARDS

Special Awards - Directly Donor Paid	\$10,040.00
Special Awards - Office Paid	\$42,880.00
Top of Category Awards - Office Paid	\$4,940.00
CNM-SERC AWARDS =	\$57,860.00

2017 Central NM Science Olympiad AWARDS

Science Olympiad - Trophies, Medals, etc.	\$1,000.00
SCIENCE OLYMPIAD AWARDS =	\$1,000.00

2017 SW Region Junior Science & Humanities Symposium AWARDS

SW Region JSHS - Donor Paid	\$4,000.00
SW JSHS AWARDS =	\$4,000.00

TOTAL AWARDS *(all programs)* = **\$62,860.00**



2016-2017 Student & Teacher Award Donors

ACNM - Construction Leadership Council	American Society of Safety Engineers - New Mexico Chapter
AEgis Technology Group & the Appel Family	Anchor Built
AIC General Contractors, Inc.	Argus Investment Realty, Inc.
Albuquerque African Violet Club	ASHRAE NM Chapter
Albuquerque Amateur Radio Club	ASM Materials Education Foundation
Albuquerque Area Extension Master Gardeners	Association for Women Geoscientists
Albuquerque Association for Gifted and Talented Students	Bank of New Mexico
Albuquerque Astronomical Society and Accent Southwest Windows	Billy Jimenez
Albuquerque Geological Society	Biophysical Society
Albuquerque Soaring Club	Bohannon Huston
Allen Sigmon Real Estate	Bridgers & Paxton Consulting Engineers
Allena Satpathi	Broadcom
Alvarado Management	Brycon Construction
AMEC Foster Wheeler	BUILD GREEN NEW MEXICO
American Chemical Society - Central New Mexico Section	BUILD New Mexico
American Council of Engineering Companies New Mexico	Carnes & Co.
American Institute of Aeronautics and Astronautics	Cauwels & Stuve Realty and Development Advisors, LLC
American Meteorological Society	CBRE
American Psychological Association	Century Sign Builders
American Society for Quality (ASQ), Albuquerque Section 1400	Charles P. Price III

Chavez-Grieves Consulting Engineers	First National Rio Grande
Civil Air Patrol - New Mexico Wing	Foreman Family
CliftonLarsonAllen	Garrett Development
Coldwell Banker Las Colinas	Geltmore, Inc.
Cordwell Family	Genius Olympiad
CREW (Commerical Real Estate Women)	Geo-Science Solutions LLC
CYRQ Energy	Goodman's Interior Structures
Daskalos Properties	Green Leaf
Dave and Rhonda Hill	Highway Employees Association of the NM Dept of Transportation
Dave Giddens and Elizabeth Jeppesen	Home Builders Association of Central NM
Dekker/Perich/Sabatini	Huning Ltd. Partnership
Don Chalmers Ford	IEEE Photonics Society
Dr. Gerard & Mildred Kaye	Installation Service Heating Cooling
ECONOMIC FORUM/ R.E.M. Properties	Intel
Ed Thomas	International Test & Evaluation Association , Roadrunner Chapter
Enchanted Lens Camera Club	I-SWEEEP
ENLACE Statewide Collaborative	Jackling Fund - UNM
Enterprise Builders Corporation	James Topmiller
Explora Science Center and Children's Museum	Jaynes Corporation
FBT Architects	John R. Lewinger
First Citizens Bank	Keith Meyer & Mary Meyer, Ph.D
Keleher & McLeod	New Mexico PBS

Kiwanis Club of Coronado

Klinger Constructors

Kris Jaffa

Land Advisors Corp.

Lastrapes, Spangler & Pacheco PA

Lawrence M. Wells, Attorney at Law

Lynne Anderson & John Gallegos

Mark Burton

Mary Fuka

Mary Louise Martignoni

Mhenrie Land Water Law

Miller Stratvert Law Firm

MU Alpha Theta

Myers, McCready & Myers

NASA

National Museum of Nuclear Science & History

National Oceanic and Atmospheric Administration

New Mexico Bank & Trust

New Mexico Engineering Foundation

New Mexico Gas Company

Titan Development

Todd Thompson

New Mexico Trout

NM Speech, Language & Hearing Association

Old Republic National Title Insurance

Patricia Wagner

Peacock Myers, P.C.

Randi Buck

Reid & Associates

Richard Cuddihy

Ricoh

Sandia Grotto

SIARZA Social Digital

SMPC Architects

Society for In Vitro Biology

Society of Women Engineers, Central New Mexico Section

Solar and Sustainability in New Mexico

Springer 5 Investments

Stewart Title of Albuquerque

Sun Vista General Contracting

Sutin, Thayer & Browne

Terracon



Tom Grossman

Trinity Section of the American Nuclear Society

United States Air Force

United States Metric Association

United States Navy and Marine Corps

United States Public Health Service

University of New Mexico College of Pharmacy

University of New Mexico Health Sciences Center

UNM Center for Water and the Environment

UNM Chapter of Sigma XI: The Scientific Research Society

UNM Department of Neurosciences

Vigerust Family

Water Environment Federation

Wells Fargo Bank

West Wood Realty LLC

Wilger Enterprises Inc.

Yale Science and Engineering Association, Inc.



THANK YOU to all our sponsors & award donors for their spectacular commitment to making sure we could recognize all the hard work put in by our student participants! We are humbled by your support!



*STEM-H Center for
Outreach, Research & Education*



Office for Diversity

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(505) 272-2728 Office for Diversity

STEM-H Center Website

<http://stemed.unm.edu>

NM STEM-H Connection Statewide Collaborative Website

<http://www.nmstemh.org>