It was SCIENCE, and it was AWESOME!"
This is a particularly exciting time to be on the TAME Board. As we hold celebrations across the state to mark 40 years of TAME’s work to build a strong and diverse STEM workforce, I want to recognize the excellent work of all of the people involved. Our teachers, librarians, and volunteers are tireless in their efforts to communicate the excitement of STEM to young people. Thanks to the dedication of many individuals, our corporate and academic partnerships are stronger than ever. I also want to recognize the work of the TAME Advisory Board and Board of Directors.

Executive Director Savita Raj and her staff do a tremendous job every day, juggling countless details to deliver TAME’s programs to students across the state. Under Savita’s leadership, TAME is expanding and reaching more people than ever before. At the Super Bowl Live event in Houston this winter, for example, the Trailblazer hosted over 12,000 new visitors! The need for a strong STEM workforce is greater than ever. We already see 100% of juniors and seniors at our annual STEM competitions planning to attend college, with about 80% of them entering STEM fields. Going forward, I hope to see the number of STEM-bound students rise.

40 years in, we still have a lot of work to do to increase the number of females and under-represented minorities in STEM fields - but it’s great to be a part of that work. If you are already a supporter of TAME, I thank you. If you’re not yet a supporter, I’d like to welcome you aboard. With your help, Texas kids will be the future of STEM.

PATRICIA GORE, CHAIR
TAME Board of Directors

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**OUR MISSION**

To enable Texas students to pursue careers in Science, Technology, Engineering and Math (STEM) by:

- Creating partnerships among educators, industry, government and families to inform, educate and motivate students
- Implementing classroom and extra-curricular programs and activities
- Focusing on populations that remain underrepresented in fields of STEM
- Promoting diversity in STEM careers

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**OUR VISION**

Every K-12 student has the educational experiences necessary to pursue a career in the fields of Science, Technology, Engineering, and Math.

TAME programs are inclusive but are geared towards engaging underrepresented minority students, especially those that are the first in their family to consider higher education and STEM careers.

**LET’S BUILD A WORKFORCE THAT LOOKS LIKE TEXAS.**
How do you get kids as excited about science as they are about, say, basketball? In its mission to launch the next generation of STEM professionals, the Texas Alliance for Minorities in Engineering (TAME) uses all kinds of tools -- from scotch tape, eggs, and the occasional rocket to professional development resources and mentoring programs. Together, TAME programs form an education-to-employment pipeline that guides students from elementary school through high school completion and on to higher education and careers in STEM.

HERE’S HOW WE DO IT:

START WITH A STORY
Science Squad™ Comic Books
(K - 5th Grade)
The TAME Science Squad Comic Books are a professionally produced series showcasing the adventures of five ethnically diverse TAME students who use their abilities in math and science to save the day.

GET THEIR HANDS ON IT
TAME Trailblazers
(K - 8th Grade)
The TAME Trailblazers are STEM museums-on-wheels that travel to schools and communities across Texas to bring exciting, hands-on exhibits to students. Trailblazer visits are designed to introduce students to STEM concepts and career paths, to provide interaction with local STEM professionals, and to encourage participation in STEM electives and extracurricular opportunities.

BRING IN THE FAMILY
Family STEM Events & Science Rocks Library Programs
(K - 8th Grade)
Trailblazer visits often anchor Family STEM Events, boosting family awareness and support of STEM careers through fun activities. Families manipulate a robotic arm or peer through a microscope to see an insect’s wing -- and, while they’re at it, find out how much a space station engineer or biologist can earn.
TAKE TIME TO EXPLORE

TAME Clubs
(K - 12th Grade)
Trailblazer visits encourage the creation of local TAME Clubs, where students engage in deeper skill-building and problem-solving activities, including rocketry, robotics, and other engineering challenges, as they prepare for TAME STEM Competitions. TAME Club teachers benefit from a strong network of STEM educators and professional development resources.

CELEBRATE LEARNING

STEM Competitions
(6 - 12th Grade)
The annual Divisional and State TAME STEM Competitions bring together thousands of high-performing TAME club students from across the state to test their STEM skills through collaborative engineering challenges and individual timed tests. The Competitions celebrate achievement in math and science and encourage the development of a peer and mentor network.

SEE THEM THROUGH

Scholarships & Mentoring
(12th Grade & Beyond)
As students go on to college, TAME scholarships provide a financial boost and encouragement for students pursuing STEM. To support students in the critical first year of college, we offer mentoring with professionals from TAME’s corporate partners.
A professionally produced comic series that supports TAME's mission by showing the adventures of five ethnically diverse TAME students who use their abilities in math and science to save the day. Designed for children in Pre-K through 5th grade.
The **TAME Trailblazers** are unique interactive museums-on-wheels, traveling to schools and communities across Texas to bring hands-on science to students. With curated content from NASA, NOAA and the National Energy Discovery Project, the Trailblazers offer hands-on activities and exhibits that allow students to explore concepts of **energy, space, weather, biotechnology, and aerodynamics.**

**THE STATS**

- **25,168** STUDENTS
- **30,694** MILES
- **1,366** VOLUNTEERS

- **43** FAMILY STEM EVENTS
- **53** SUMMER LIBRARY PROGRAMS
- **94** SCHOOLS VISITED
- **74%** OF VISITS SERVE TITLE I SCHOOLS
Family STEM Events encourage participants to explore STEM concepts, learn about STEM careers, and interact with STEM professionals in an informal learning setting. These events are designed to strengthen family awareness of and support for their students’ involvement in STEM.

I am once again amazed at how awesome an experience this was for our children. We cannot thank your group enough for the wonderful time the students had learning science."

Katherine Whitney
Central Middle School, Nederland, TX
Science Rocks Library Programs are offered in the summer, typically in conjunction with reading programs.

A visit from the TAME Trailblazer, training and toolkits help library staff offer informal STEM programs in their community.

In a rural community this was such a major event. Making science fun and hands-on does so much for getting those essential STEM concepts across. The Trailblazer is another way to give families an opportunity to spend quality time together and I know the adults thought it was as cool as the kids did."

Nell Langford
Mt. Enterprise Library
STEM levels the playing field. If kids are working with a 3-D printer to design a prosthetic hand, they’re not thinking about socioeconomic barriers... they’re thinking about what else they can do with that printer."

**Dr. Denise Simmons**
Assistant Professor of Educational Leadership & Technology at Midwestern State University and TAME Chapter Co-Chair in Wichita Falls

---

**TAME Chapters provide local leadership and support for STEM education.** Chapters, which correspond to the regions defined by the Texas Education Agency, bring together volunteers from local schools, colleges, universities, corporations, businesses, and community organizations into a leadership team. They offer locally relevant programs like career days, factory tours, and professional development for teachers.
A TAME Club is an enrichment program that is designed to support students interested in exploring STEM subjects with the guidance of sponsors and leaders. While all TAME programs are inclusive, TAME Clubs focus on recruiting women and underrepresented minority students. The clubs are typically sponsored by teachers or community partners and are usually hosted on a school campus. Clubs meet regularly and program activities are designed to increase student skills, awareness of STEM careers and access to role models.

<table>
<thead>
<tr>
<th>TEA REGION</th>
<th>CITY</th>
<th>TAME CHAPTER</th>
<th>CHAPTER CHAIR(S)</th>
<th>TAME CLUBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Edinburg</td>
<td>Valley</td>
<td>Marcos Villarreal</td>
<td>5</td>
</tr>
<tr>
<td>1</td>
<td>Corpus Christi</td>
<td>Corpus Christi</td>
<td>TAME Staff</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Houston</td>
<td>Gulf Coast (GC TAME)</td>
<td>Ifeanyi Okonkwor</td>
<td>22</td>
</tr>
<tr>
<td>4</td>
<td>Beaumont</td>
<td>Golden Triangle (GT TAME)</td>
<td>Annie Carter</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>Pine Tree</td>
<td>East Texas</td>
<td>Cyndi Nywall</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Wichita Falls</td>
<td>Wichita Falls</td>
<td>Dr. Denise Simmons &amp; Marcie Williford</td>
<td>15</td>
</tr>
<tr>
<td>10</td>
<td>Dallas</td>
<td>Dallas</td>
<td>Maurine Amend &amp; Jacqui Long</td>
<td>18</td>
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<tr>
<td>11</td>
<td>Fort Worth</td>
<td>Fort Worth</td>
<td>Steve De Leon &amp; Eva Trevino</td>
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<tr>
<td>13</td>
<td>Austin</td>
<td>Capital Area</td>
<td>Karl Nichols</td>
<td>21</td>
</tr>
<tr>
<td>14</td>
<td>Abilene</td>
<td>Abilene</td>
<td>TAME Staff</td>
<td>4</td>
</tr>
<tr>
<td>15</td>
<td>San Angelo</td>
<td>San Angelo</td>
<td>Janice Trees</td>
<td>5</td>
</tr>
<tr>
<td>16</td>
<td>Amarillo</td>
<td>Amarillo</td>
<td>Dominic Cortez &amp; Floyd Anthony</td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>Lubbock</td>
<td>Lubbock</td>
<td>Kasaundra Garcia</td>
<td>10</td>
</tr>
<tr>
<td>18</td>
<td>Odessa</td>
<td>West Texas</td>
<td>Kim McKay</td>
<td>8</td>
</tr>
<tr>
<td>19</td>
<td>El Paso</td>
<td>El Paso</td>
<td>Raquel Kuker</td>
<td>3</td>
</tr>
<tr>
<td>20</td>
<td>San Antonio</td>
<td>San Antonio</td>
<td>Sheila Madkins</td>
<td>11</td>
</tr>
</tbody>
</table>
The annual TAME State STEM Competition brings together hundreds of high-performing minority and female students, grades 6-12, to challenge their math, science, and engineering skills and connect with a network of peers and mentors across Texas and beyond.

Our students, for the first time, actually had a connection with local individuals involved in the science field. They were able to ask real time questions and get real time answers from the source. It was no longer, 'That is something my teacher told me...', it was first-hand, quick and relevant."

Kevin Smith
Dumas ISD
DIVISIONAL COMPETITIONS

HELD IN
13 LOCATIONS

1,734 TOTAL PARTICIPANTS

STATE COMPETITIONS

held in
SAN ANTONIO
TEXAS

299 TOTAL PARTICIPANTS

52% Female
910 Female Participants
48% Male
824 Male Participants

58% Female
42% Male
TAME supports careers in science, technology, engineering, and mathematics by offering scholarships to TAME Club members who have been accepted into an accredited university or community college to pursue higher education in a STEM-related field.

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>UNIVERSITY</th>
<th>MAJOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alejandro Reyes</td>
<td>University of Texas at San Antonio</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>Benjamin Sarwichtz</td>
<td>Texas A&amp;M University</td>
<td>Nuclear Engineering</td>
</tr>
<tr>
<td>C.J. Gutierrez</td>
<td>Texas A&amp;M University</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Carson Bristo</td>
<td>Texas A&amp;M University</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Chisomo Mbalule</td>
<td>Midwestern State University</td>
<td>Physical Therapy</td>
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<tr>
<td>Cole Nash</td>
<td>Baylor University</td>
<td>Applied Mathematics</td>
</tr>
<tr>
<td>Cory Press</td>
<td>Midwestern State University</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Dalnyl Cua</td>
<td>Texas A&amp;M University</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Duba Gimah</td>
<td>Baylor University</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Fernando Corral</td>
<td>Midwestern State University</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Gerardo Velasquez</td>
<td>Texas A&amp;M University</td>
<td>Physics</td>
</tr>
<tr>
<td>Gunnar Walters</td>
<td>Southern Methodist University</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Jacob Hawkins</td>
<td>Reed College</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>Joseph Edwards</td>
<td>Texas Tech</td>
<td>Electrical Engineering + Computer Science</td>
</tr>
<tr>
<td>Lidia Serpas</td>
<td>Midwestern State University</td>
<td>Biochemistry, Chemical Engineering</td>
</tr>
<tr>
<td>Lily Hernandez</td>
<td>MIT</td>
<td>Architecture</td>
</tr>
<tr>
<td>Maria Garcia</td>
<td>Gettysburg College</td>
<td>Pre-Med / Physics</td>
</tr>
<tr>
<td>Vivian Cox</td>
<td>School of the Art Institute of Chicago</td>
<td>Computer Science</td>
</tr>
<tr>
<td></td>
<td>Midwestern State University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>University of Texas at Austin</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td></td>
<td>University of Texas at Austin</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td></td>
<td>University of Texas at Austin</td>
<td>Mechanical Engineering</td>
</tr>
</tbody>
</table>

EVERGREEN SCHOLARSHIPS

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>UNIVERSITY</th>
<th>MAJOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natalie Sahagun</td>
<td>University of Texas at Austin</td>
<td>Aerospace Engineering</td>
</tr>
<tr>
<td>Nicholas Curtis</td>
<td>University of Texas at Austin</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>Shaharyar Ali</td>
<td>University of Texas at Austin</td>
<td>Mechanical Engineering</td>
</tr>
</tbody>
</table>
Financial Data

2015-2016

REVENUE
Grants & Contributions
$683,695
Program Fees
$159,530
Other Income
$780
TOTAL $844,005

EXPENSES
Programs
$644,077
Management & General
$37,553
Fundraising
$16,633
TOTAL $698,263
Board of Directors

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IBM

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ASCE Texas Section

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BASF

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Boeing
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Tocker Foundation

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Lockheed Martin
Rackspace

GOLD: $15-25K
3M Foundation
Halliburton Foundation

SILVER: $10-15K
Chevron Phillips Chemical Company LP
Harry W. Bass Jr. Foundation
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Permian Basin Area Foundation
Southeast Texas Plant Manager's Forum

BRONZE: $5-10K
BASF Total Petrochemicals LLC
Dow Chemical Company
Emerson Process Management
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Alvin ISD
American Society of Civil Engineers, Texas Section
Angelo State University
Austin ISD
Azle ISD
Beaumont ISD
Cedars International Academy
City of Hempstead
City of Port Arthur
Coastal Bend College
Concho Valley Workforce Commission
Connecting Texas Libraries Statewide
Dallas ISD
Edinburg CISD
Faith West Academy
Family Help Systems
Fort Bend County Library
George West ISD
Harmony Science Academy-Beaumont
Harris County
Horne Elementary School
Houston Hispanic Forum
Houston ISD
Hutto ISD
Katy ISD
KIPP, Inc
Lamar University
Melba Passmore Elementary
Midwestern State University
Odessa College
Passmore PALS Booster
Prairie View A&M University
Renaissance Academy
Round Rock ISD
Serene Hills Elementary
St. Philip's College
Tarrant County College
Texas A&M International University
Texas A&M University
Texas State University
Texas Tech University
The Episcopal School of Texas
The University of Texas at Austin
Triumph Church, Inc.
United Negro College Fund
University of Houston
United Way for Greater Austin
University of Houston
University of the Incarnate Word
West Oso ISD
Wimberley ISD
Workforce Solutions Cameron
Young Women's Leadership Academy

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Jessie Temple
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Macquarie Holdings
Marathon Oil Company
Motiva Enterprises LLC
Oxbow
Premcor Refining Group
National Instruments
The Lexington Foundation
Tramaine Singleton
Veolia
Wood Group
Launching Careers in STEM since 1976

500,000 STUDENTS
10,000 VOLUNTEERS
3,000 TEACHERS
800 SCHOOLS

1976
- TAME incorporated as non-profit

1979
- 'Expo-Tex' traveling trailer launched

1985
- 1st Annual Statewide Math & Science Competition

1990
- Texas State Government appropriation bill funds TAME

2002
- Trailblazer I launched

2009-2012
- Science Squad™ Comic Books published in English & Spanish

2012
- TAME Movie, 'It IS Rocket Science', released

2013
- Trailblazer II launched
"If I don't make it to the NBA I will be an ENGINEER!"