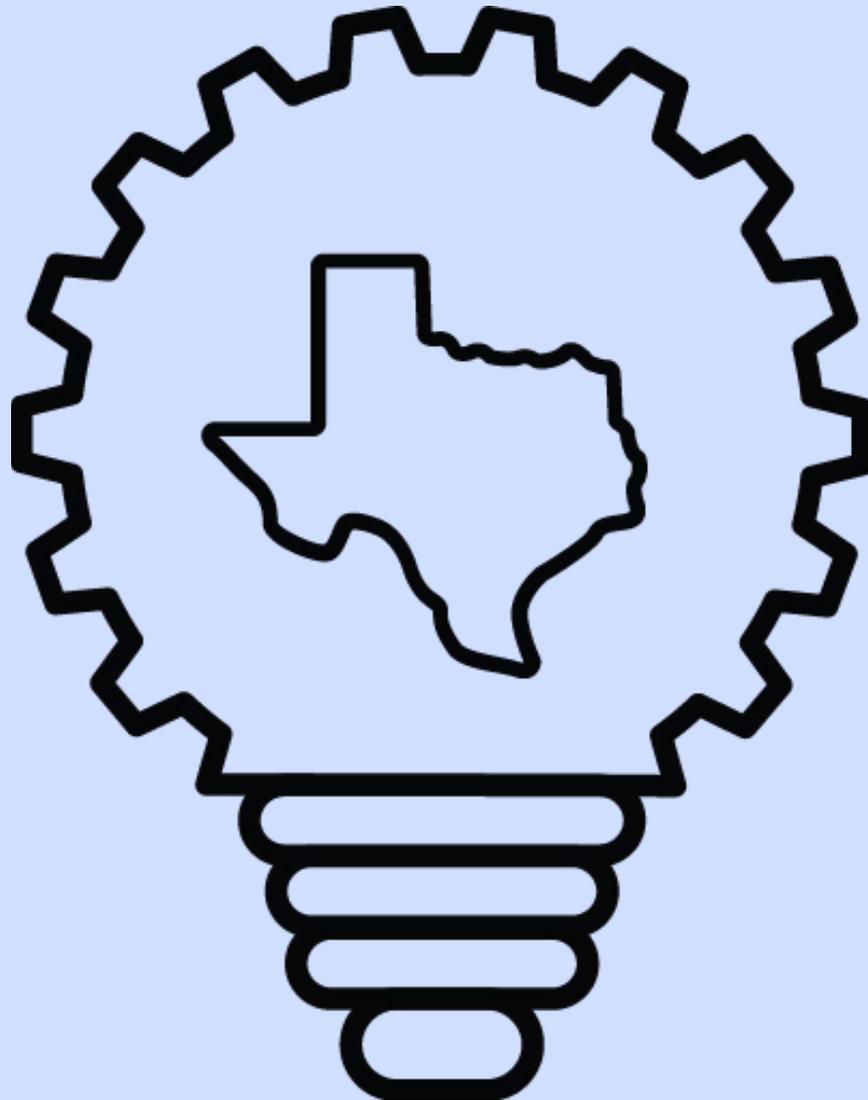


STEM Clubs

FOR THE FUTURE STEM
PROFESSIONALS OF TEXAS

Community & School Administrator Guide

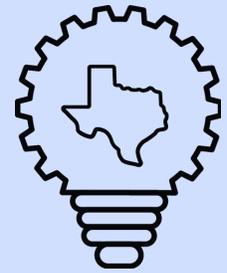


Texas Alliance for Minorities in Engineering

**LAUNCHING TEXAS STEM CAREERS
SINCE 1976**

mobile STEM museums + scholarships
+ free clubs & competitions

TAME Clubs across the Lonestar State empower educators to inspire and prepare the future STEM professionals of Texas.



14

Divisional STEM Competitions across Texas each winter

300

students advance to annual State STEM Competition, all expenses covered

Who can host a TAME Club?

TAME Clubs are typically sponsored by teachers, librarians, administrators, parents, or community partners.

\$33K

Scholarship funding donated each year on average for graduating TAME seniors

500+

Engineering activity ideas for all ages

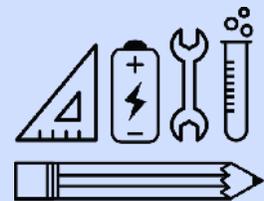
STEM Clubs can be in public schools, private schools, home schools, scout troops, libraries, college campuses, and anywhere that students can meet regularly to explore STEM.

6500+

ideas for STEM educators & other teacher resources

24

Practice tests available online



581,000

students served since TAME's founding in 1976

\$ 0

TO PARTICIPATE

- ✓ **FREE FOR STUDENTS.**
- ✓ **FREE FOR TEACHERS.**
- ✓ **FREE FOR SCHOOLS.**

What happens in a TAME Club?

TAME Clubs require only 6 students and an adult sponsor. Annual registration and all events are FREE for participants.



TAME does not assign specific activities, and only asks that the club meet regularly in person to try something STEM-related. This fosters a flexible environment where students can explore.



TAME-specific activities (optional):



- Participating in Divisional STEM Competitions (grades 6-12)
- Engineering Design Challenges from past Competitions
- STEM Competition practice tests & Kahoot! quizzes
- Guest speakers (STEM professionals, TAME Alumni)
- Volunteering with younger TAME Clubs
- Hosting (or volunteering at) a family STEM event
- Visit from Trailblazer mobile STEM museum (grades 3-8)
- Creating artwork for TAME T-Shirt Design Contest
- TAME Science Squad™ comic books
- Helping seniors apply for TAME Scholarships



Open-ended activities (optional):

- Tutoring, test prep, homework help
- Field trips to local colleges & STEM employers
- Volunteer projects for school or community
- Engineering activities
- Math activities
- Science activities
- Coding, electronics, robotics
- Events / Competitions with other organizations
(ex. Future City, Solar Car Challenge, FIRST Robotics, Code Wars, Team America Rocketry Challenge)

97% of high school seniors at the STEM Competitions plan to go to college

87% plan to major in STEM

Let's build a STEM workforce that
looks like

TEXAS.



After four decades gathering data in the grand experiment of TAME, one thing stands out: **students thrive with the support of their school, community, and family.**

Those TAME Club Sponsors who can rely on school administrators, teachers, librarians, and community members are the ones most likely to return to TAME year after year. Those clubs make the most impact on the most students by actively encouraging them to stay part of the TAME family.

We can do a lot, but we cannot do it alone.

Your support can help us connect your students with like-minded peers and mentors, and help us bring your educators into TAME's network of K-12, higher education, community, and corporate partners.



Ways to get involved & help your TAME Club thrive

- ✓ **Help the club find a good place & time to meet**
- ✓ **Fundraise to buy supplies & take field trips**
- ✓ **Provide snacks or a meal (ask a local restaurant or business to sponsor the club with food or seek donations from a food bank)**
- ✓ Allow a dedicated time for the club to meet within the school day schedule (for students who ride the bus & cannot stay after school)
- ✓ Make school-wide announcements to help with club recruitment
- ✓ Offer extra credit to students who participate or volunteer
- ✓ Coordinate transportation for the whole club to attend the Divisional STEM Competition for grades 6-12; recognize & reward all students who participate
- ✓ Partner with local colleges for guest speakers, volunteers, & visits; supply subs & transportation so Club Sponsors can take students on campus tours
- ✓ Encourage counselors to help seniors apply for TAME Scholarships
- ✓ Recognize & reward teachers, librarians, & staff who Co-Sponsor the club
- ✓ Host a Family STEM Event to get the whole community excited, where students can showcase projects & share what they've learned

Fundraising Goals & Sponsorships for TAME Clubs

Use these as budget recommendations, fundraising goals, or when partnering with a local business



DIY LEVEL

✓ **100% FREE FOR STUDENTS, TEACHERS, & SCHOOLS**

TAME Clubs all over Texas explore no-cost activities like tutoring, practice tests, science nature walks, STEM discussions, and ask students to find their own transportation to our free STEM Competitions. Register at tame.org.

\$0 / YR

ALWAYS FREE TO PARTICIPATE, NO MATTER HOW MANY STUDENTS YOUR CLUB RECRUITS



LOCAL FUN LEVEL

This support helps students at the school or community level to have fun and explore STEM in small groups, with dedicated craft supplies for Engineering Design Challenges and snacks to help with recruitment.

\$50 / YR

Funds engineering activity supplies and snacks to fuel STEM fun for an 8-student club for a year.

Recruiting more students? For a 30-student club, \$200 may be more appropriate.



INCLUSION LEVEL

Join the rest of the TAME Family! Make sure every student has transportation to our free Divisional STEM Competitions & a chance to advance to the State Competition. Explore STEM with teammates from other schools (near-peer mentoring) and meet volunteers from corporate partners (STEM professional mentoring).

\$150 / YR

Funds supplies, snacks, and a van or bus to bring all members of an 8-student club to Divisionals.

Recruiting more students? For a 30-student club, \$500 may be more appropriate.



CELEBRATION LEVEL

Family STEM Events can be like tailgate parties for your TAME Club to celebrate achievement, show off progress, and share excitement about STEM. Perfect for launching a school-wide STEM initiative, this helps recruit a student's network to support them long-term at home and in the community.

\$800 / YR

Funds supplies, snacks, transportation to bring all members of the club to Divisionals, plus support to host a Family STEM Event.



TRAILBLAZER LEVEL

Take that Family STEM Event to the next level by offering food, guest speakers, and anchoring your event with the Trailblazer, TAME's traveling STEM museum. We deliver STEM excitement for the whole family, like a field trip in a box. Exhibits are geared to grades 3-8, and Club members grades 9-12 can build confidence as volunteer museum docents. Trailblazer visit quotes are available for all Texas communities at trailblazer@tame.org.

\$2500 / YR

Note: quotes may vary geographically

Funds supplies, snacks, transportation to bring all members of the club to Divisionals, plus support to host a Family STEM Event anchored by TAME's mobile STEM museum.



*"I have participated in TAME for all four years of my high school experience, and each year brings with it something special and new to my life. **Without TAME, I never would have fallen in love with STEM and would have never had the opportunity to find a part of myself.** This means a lot to my future."*

Melvin H., TAME Alumni & Scholar, Gulf Coast TAME Chapter (Houston)

*"This organization is doing a great job making STEM fun and exciting for our Texas youth. It's also **helping expand the perception of what the STEM professions and their professionals look like today, with a goal of further improving the diversity of these fields in the future.**"*

Huge props to the TAME staff, teachers, parents, and all those who invest their time, energy and resources to inspiring these kids to realize their STEM potential, which they may not have otherwise accessed without an organization such as this one."

Britiany Hayes, TAME Board Member & Mentor
ConocoPhillips Financial Analyst



"TAME increased my excitement about my math and science courses and showed me I could change the world through STEM."

*I used the experiences that I had in TAME to conduct engineering challenges for other clubs and events in my community. **I want to use my STEM skills to give back to my community and inspire youth to pursue their goals in the STEM field."***

Nathan W., TAME Alumni & Scholar, West Texas TAME Chapter

