

TechTitans[™] STEMfire

*Connecting Volunteers
To The
Classroom*



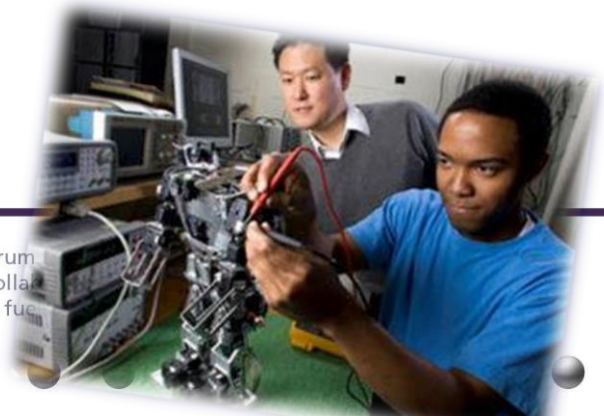
What is Tech Titans?

- Tech Titans, the technology association for North Texas, is the largest technology trade association in Texas, representing a quarter million employees through its 300 member companies.
- Founded in 1994, Tech Titans encourages growth of the Dallas/Fort Worth region as one of the largest technology centers in the U.S.
- Software development, telecom, IT services cloud computing, biomedical, semiconductor and nanotechnology are all represented



Tech Titans in a Nutshell

- Tech Titans **strengthens** the North Texas' technology **community** by acting as the **innovation hub** for entrepreneurs, universities and corporations.
- Tech Titans continues to prove that 'Technology lives here' by
 - growing future tech leaders with its **talent** and workforce development initiative,
 - **advocating** technology's advancement in governmental arenas, and
 - **connecting** people and inspiring ideas through its programs and special interest groups.
 - **recognizing** leaders and influencers at annual Tech Titans awards gala



Raising STEM Awareness is Essential

- STEM jobs are projected to grow by 17% through 2018¹
 - Making it one of the most dynamic industries in the economy
 - **Texas will demand a total of 758,000 jobs by 2018 (22% increase)**¹
- 91% of U.S. STEM jobs will require college or better by 2018¹
 - **56% of all jobs in Texas (7.7 Million jobs)**¹ **will require college or better**
- US ranked 52nd in quality of math and science²
 - 27th in college students receiving science or engineering degrees
 - **In Texas, only 12% of degrees given are in STEM fields**²
- Top-notch skills are vital for the future tech-savvy workforce



A public/private partnership in promoting STEM education is the key to success



Our Goal

- Raise awareness of 5,000 DFW area junior high and/or high school students on technology industry sectors, employers and specific STEM career opportunities in North Texas

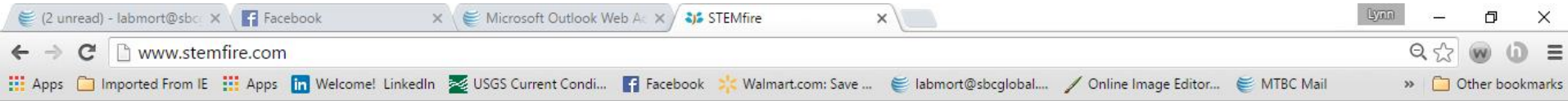


How Tech Titans will help.....

- **STEMfire Growth** - Facilitate connections between Education & Industry
 - Engage and align Tech Titans membership, STEMfire volunteers & industry member senior leaders into industry segments that align with & support the career clusters supported by HB 5
 - Update STEMfire 3.0 to support industry needs: mgmt reports, metrics
 - Recruit millennial employees into this effort
- **Career Awareness & Exploration** - Support and Enhance K-8 Career Awareness & Exploration to reflect local career opportunities
 - Align with currently utilized toolsets, (i.e. “Career Cruising” and “Achieve Texas”/CTE programs)
 - Develop DFW specific awareness and exploration programs
 - Augment student counseling services provided by educators
- **Career Prep** - Enlist Industry membership to increase industry participation in local Career Concentration & Preparation opportunities
 - Develop method to build connections between students finishing community college/university programs and industry.
 - Explore internship programs with possibility of helping small & mid-size companies increase internships



STEMfire.com



TechTitans
STEMfire

Sign up Log in



Get involved, volunteer, and inspire kids' interest in STEM!

STEMfire connects North Texas educators and volunteers in industry to inspire students in Science, Technology, Engineering, and Mathematics. [Learn more](#)

Upcoming Events

Introduce A Girl To Engineering	FEBRUARY 25
Elementary Science Fair	FEBRUARY 27
Allen High School's 2016 Career Night, March 17, 2016, 7:00 - 9:00 PM	MARCH 17
iCodeHack	APRIL 9
GISD STEAMposium	APRIL 16

Ready to shape the future?

With STEMfire, educators can create these opportunities for industry volunteers to join. Together we can ignite a passion for STEM in students and enhance the education of a generation.

[Sign up today!](#)

A project of the Metroplex Technology Business Council in partnership with UTDesign.

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a forum that leverages the regional technology community to collaborate, share and inspire creative thinking that fuels tomorrow's innovations



Volunteer Roles

- **Presenter**

Professional **shares subject matter expertise & insight** in the classroom

- **Advisor**

Professional **provides Project Based Learning insight with educators** via real world examples

- **Judging**

Professional with domain experience **engaged to judge at competitive student events**

- **Career Coach**

Experienced professional **participates over an extended period of time in providing technical career guidance** to students



Registration & Event Submission

- Register on the STEMfire web page: www.stemfire.com
- Click to register as a STEM Volunteer or an Educator
- Proceed through the STEM Volunteer or Educator registration steps
- Once registered, Volunteers can search current volunteer opportunities. If you find something of interest, click to initiate email contact with the requesting educator.
- Once registered, Educators can enter events requiring volunteers.
- Volunteers will need to be cleared through ISD specific background checks in order to participate in classroom activities.



TechTitans™

STEMfire *a collaborative effort between Tech Titans &*

UT-Dallas, is focused on facilitating volunteer

engagements with students & educators



TechTitansTM STEMfire

*Real-life mentors can
inspire dreams*TM

