### **Project Impact**

2012-2019



Sessions Hosted



Served



Educators Served \*



Students Impacted<sup>†</sup>



Industry Partners



Company Hours Donated



Funds Raised<sup>‡</sup>

- \* Includes teachers, counselors, and administrators, some of whom attended more than one year
- † Estimate based on number of educators served and average classroom size
- # Includes grant funding, leveraged funds, and inkind hours donated by ASWC partners

# Teacher Externships Connecting Education with Business & Industry



The Alamo STEM Workforce Coalition (ASWC) Teacher Externships provide educators real-world examples of the practical use of science, technology, engineering, and mathematics (STEM) in workplace settings, such as manufacturing, health/medical, construction, engineering, and more. Teachers typically tour three host companies, develop a classroom curriculum, and bring back real-world stories and examples to share with students in the classroom.





If students don't know why they need to learn something, every lesson is **irrelevant**.

Many students struggle to connect classroom lessons to future career goals. Teacher Externships were designed to provide teachers with a wide range of experience with business and industry to answer the question "When will I ever use this?"

The Teacher Externship project serves educators in a 13-county region, including Bexar and surrounding counties



#### Participating Educators by Subject

Math 29% Science 38%

Career & Technical Education (CTE)

Counselors & Career Awareness 8%

19%

Other 6%

#### Participating Educators by Grade Level 2015-2019

High School Middle School Mixed-Grade\*

\*Mixed-grade includes intermediate, junior high, & academies

#### What we want Teachers & Students to know: Career Awareness



- Local companies
- STEM careers in South Texas



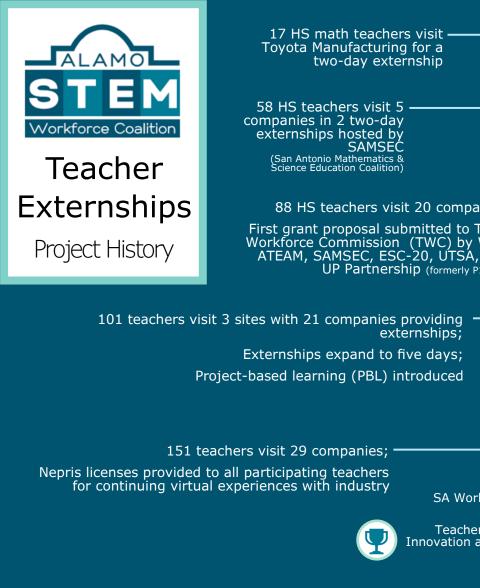
#### Required Knowledge & Skills

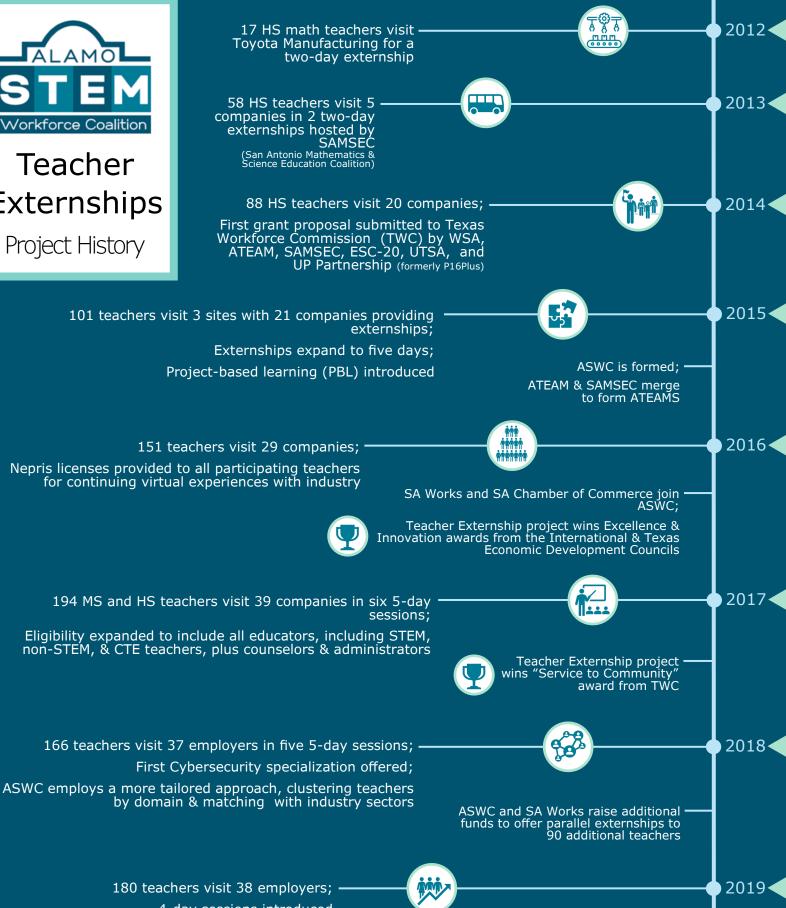
- Technical knowledge & skills
- Desired employability skills



#### **Education & Career Pathways**

- Education requirements
- Opportunities for students

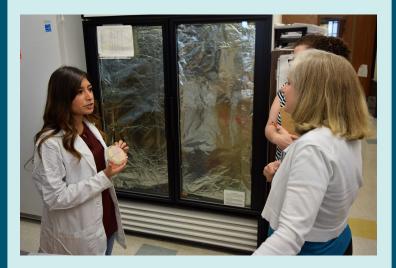






The Teacher Externship project is made possible by support from local businesses





ASWC has developed partnerships across in-demand industries, including: manufacturing, energy, healthcare and biomedical, construction, engineering, public utilities, IT and cybersecurity, finance, insurance, and marketing and advertising.



#### **Industry Partners**

Company/Organization & Years Involved	
San Antonio Water System	7
Zachry Group	7
HEB	5
Southwest Research Institute	5
University Health System	5
UTSA Center Excellence in Infection Genomics	5 5 5 5 5 5 5
Cox Manufacturing	5
EO2 Concepts	5
Holt CAT	5
Intertek Automotive Research	5
Toyota Manufacturing Plant	4
GW Plastics	4
Joeris General Contractors	4
San Antonio Food Bank	4
Texas Biomedical Research Institute	3
Ft Sam Houston	3
City of San Antonio	3
Randolph Brooks Federal Credit Union	3
USAA	3
BD (Medical Technology)	3
Booz Allen Hamilton	3
CPS Energy	3
eControls	3
InCube	3
Pape-Dawson Engineering	3
SA Testing Lab	3
UT Health (UTHSCSA)	3
KFW Engineers & Surveying	2
San Antonio River Authority	2
Accenture	2
Anderson Marketing Group	2
Boeing  CDC Marketing and Ideation	2
GDC Marketing and Ideation  IPSecure	2
	2
Lancer Corporation	3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2 2 2
NuStar Energy	2
Scaleworks TWC Architectural Mouldings	2
TWC Architectural Mouldings	



"It was freaking amazing....I was able to learn more about local businesses and learned more about San Antonio."



"The externships were a very big part of the success of this training. As a result of the externships, I feel I can bring 'real world' knowledge that is applicable to my students."



#### How Can You Get Involved?









## 2019-2020 Teacher Externship Sponsors

















#### Sponsorship Opportunities

One teacher reaches an average of 120 students per year. Each additional teacher served by the Teacher Externship project acts as an impact multiplier.

MOMENTUM SPONSOR \$20,000 Create momentum for 20 educators to experience an externship to influence connections to real world application and hands on learning.

**IMPACT** 

Z400 STUDENTS

PROPEL Sponsor | \$10,000 Propel 10 educators to experience an externship to influence connections to real world application and hands on learning.

**IMPACT** 

1,200 STUDENTS

INSPIRE Sponsor | *\$5*,000 Inspire 5 educators to experience an externship to influence connections to real world application and hands on learning.

**IMPACT** 

600 STUDENTS

ENGAGE SPONSOR すみめめ Engage 2 educators to experience an externship to influence connections to real world application and hands on learning.

**IMPACT** 

240 STUDENTS

INFLUENCE SPONSOR

PARTNERSHIP

Influence 1 educators to experience an externship to influence connections to real world application and hands on learning.

**IMPACT** 

120 STUDENTS

Alamo STEM Workforce Coalition is a 501(c)(3). Your contribution is tax deductible.



The Alamo STEM Workforce Coalition (ASWC) was formed in 2015 to extend and enhance the work being done to engage teachers with employers in

learning how math and science were being applied in the real world.

ASWC is a group of educators and workforce professionals who collaborate to provide rich externships and professional development to educators in Bexar and surrounding counties.











