

# UTeach Impact

We prepare teachers. They change the world.

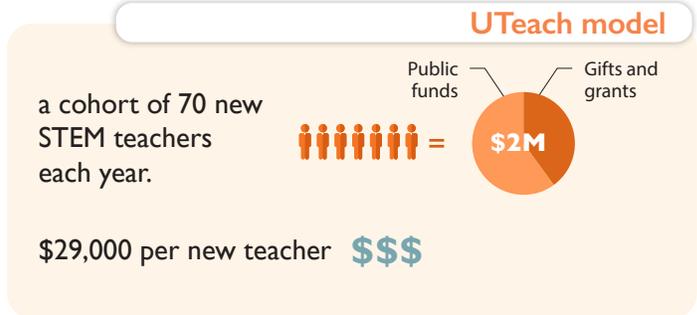
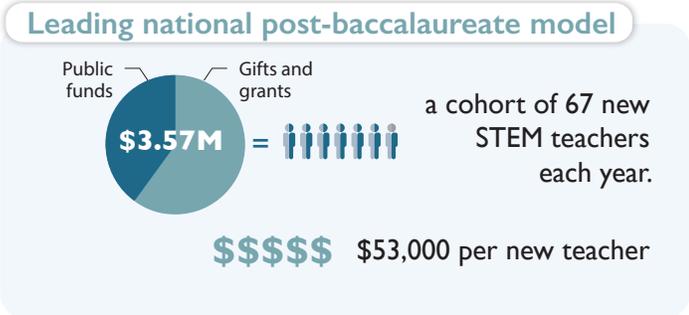
A strong STEM-capable workforce is critical to U.S. innovation and economic prosperity, but **we are falling behind** in production of STEM professionals. We need at least 1 million more STEM professionals over the next decade—34% more than we are currently producing. Additionally, women and minorities continue to be underrepresented in the pool of STEM graduates.

**UTeach has the solution.** UTeach prepares teachers with deep content knowledge and inquiry-based pedagogical strategies. UTeach programs produce teachers at a lower cost than other leading programs, and our graduates stay in teaching longer, improve student performance in math and science, and influence students to enter STEM fields.

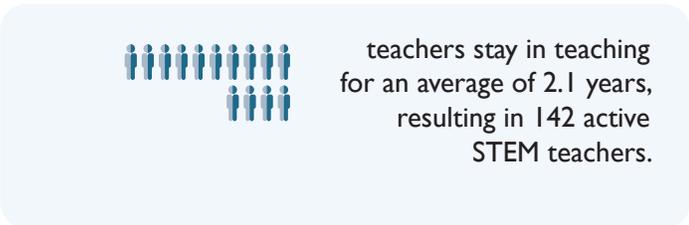
*UTeach is an innovative university-based teacher preparation program working to increase the number of qualified STEM teachers in U.S. secondary schools. STEM majors earn a secondary teaching certification without adding time or cost to their four-year degree.*

## UTeach programs prepare STEM teachers for less

**UTeach programs produce teachers at a lower cost than other leading programs.**



**UTeach graduates stay in schools longer.**



**Since UTeach graduates stay in teaching longer, the average cost per year of teaching is much lower.**

<b>Leading national post-baccalaureate model</b>	<b>VS.</b>	<b>UTeach model</b>
<b>\$25,000</b>	Cost per year of teaching	<b>\$5,700</b>

# UTeach graduates increase student learning

UTeach uses proven inquiry-based teaching methods to prepare STEM majors to be inspiring and effective teachers.

+4  
months

additional learning  
in math

+5.7  
months

additional learning  
in science

An independent research study found that secondary students of UTeach graduates gain an additional 4 months of learning in math and 5.7 months in science.



“ I teach because we’re preparing citizens. This country will be theirs and we need them making the best decisions possible. ”

Michael Ralph,  
UKanTeach graduate,  
University of Kansas

A UTeach study found significant advantages for students of UTeach graduates of around 9 months of schooling in both Algebra I and Biology for Gifted students, and 5 months of schooling in Biology for Economically Disadvantaged and Hispanic students.

+9  
months

additional  
schooling in  
Algebra I & Biology  
for Gifted  
students

+5  
months

additional  
schooling in  
Biology for Economically  
Disadvantaged  
and Hispanic students



“ You engaged us and made us actually look at how things worked and why they worked, not only in problems, but also in practical applications. You really changed my love of science into an understanding of what I want to do for a living. ”

Student of a UTeach teacher from  
The University of Texas at Austin

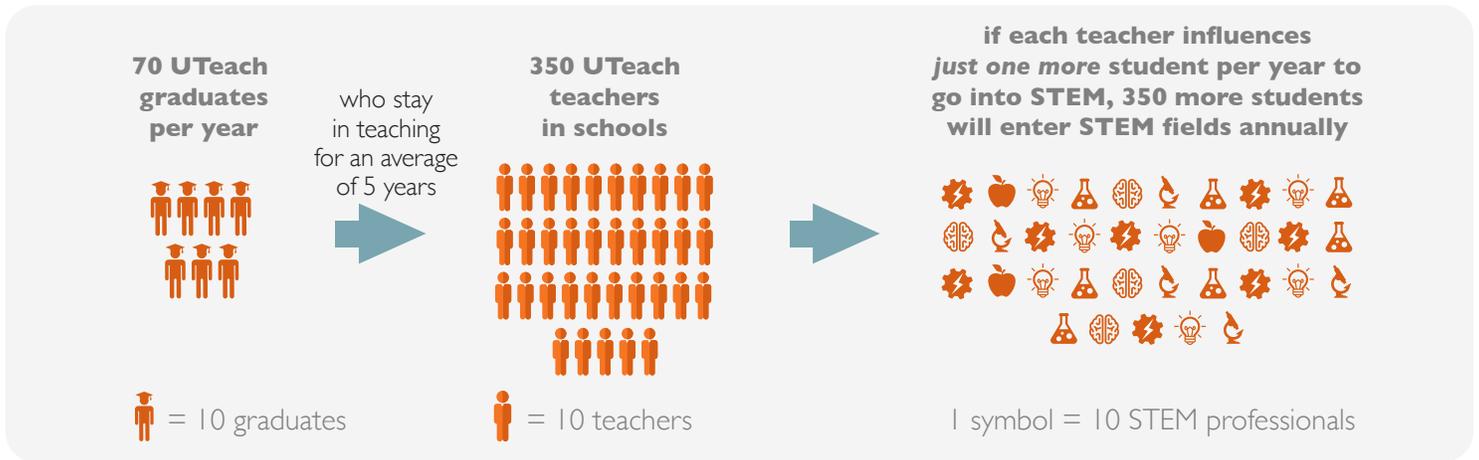
## Footnotes

Backes, B., Goldhaber, D., Cade, W., Sullivan, K., & Dodson, M. (2016, working paper). Can UTeach? Assessing the relative effectiveness of STEM teachers. Washington, DC: American Institutes for Research. [www.caldercenter.org/publications/can-uteach-assessing-relative-effectiveness-stem-teachers](http://www.caldercenter.org/publications/can-uteach-assessing-relative-effectiveness-stem-teachers)

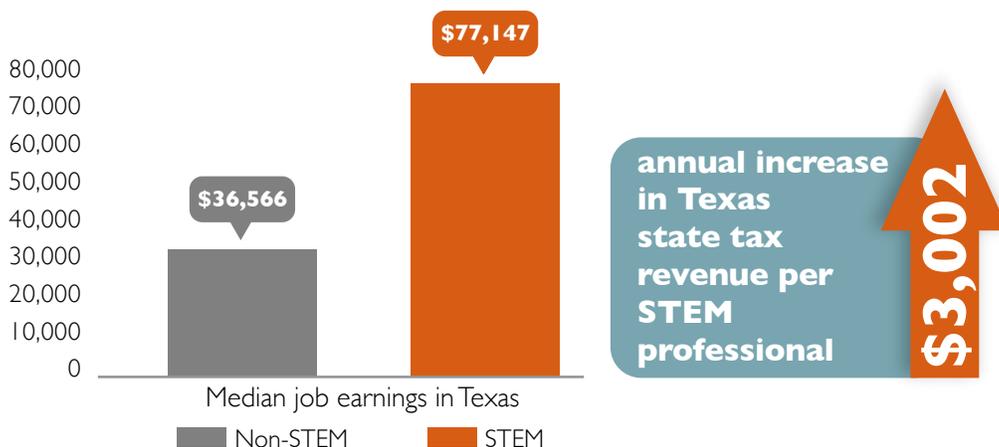
Marder, M., & Hamrock, C. (2016, working paper). Math and science outcomes for students of teachers from standard and alternative pathways in Texas. [uteach.utexas.edu/uteach-blog/students-uteach-graduates-learn-more](http://uteach.utexas.edu/uteach-blog/students-uteach-graduates-learn-more)

# U Teach provides a high return on investment

U Teach graduates inspire their students and influence them to go into STEM fields.

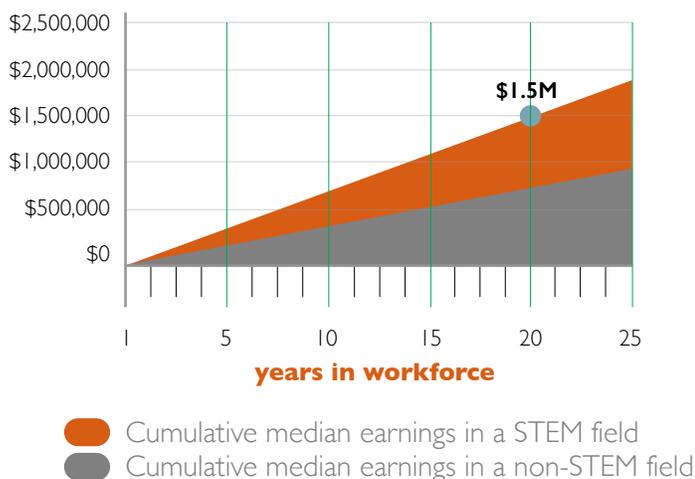


## Median STEM vs. non-STEM annual earnings in Texas

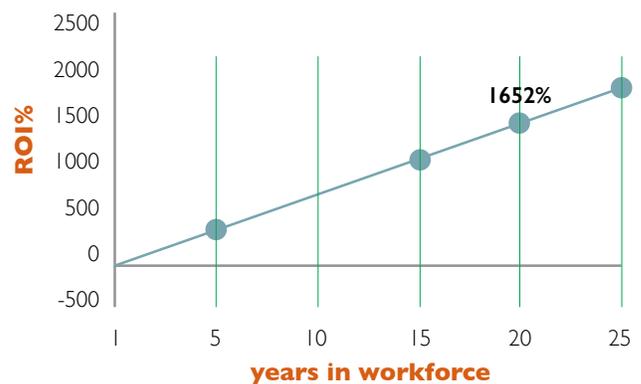


“ Her love of science helped me discover my own and influenced my decision to go for a science major in college. ”  
 Student of a U Teach teacher from The University of Texas at Austin

## Cumulative lifetime earnings



## Minimum ROI to the state of Texas

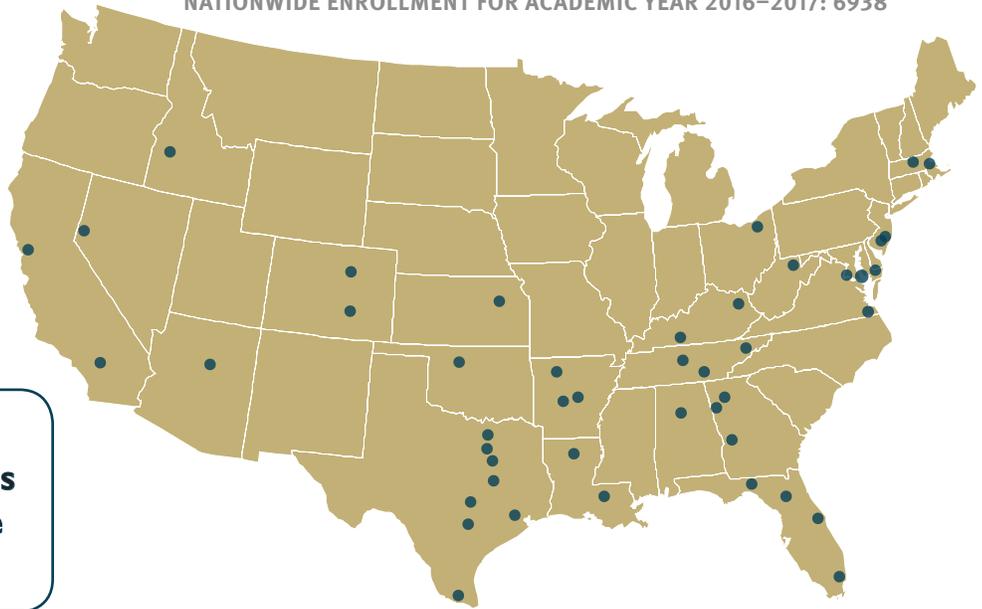


+350 additional STEM professionals created  
 +\$1M increased government revenue

# UTeach is scalable

Since 2006, UTeach has expanded to 45 universities in 21 states and the District of Columbia.

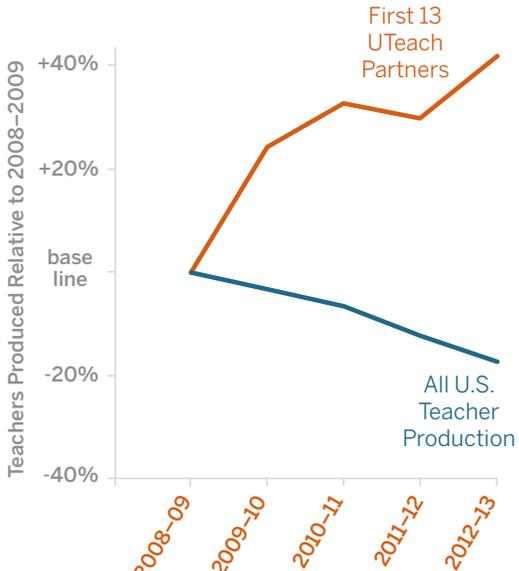
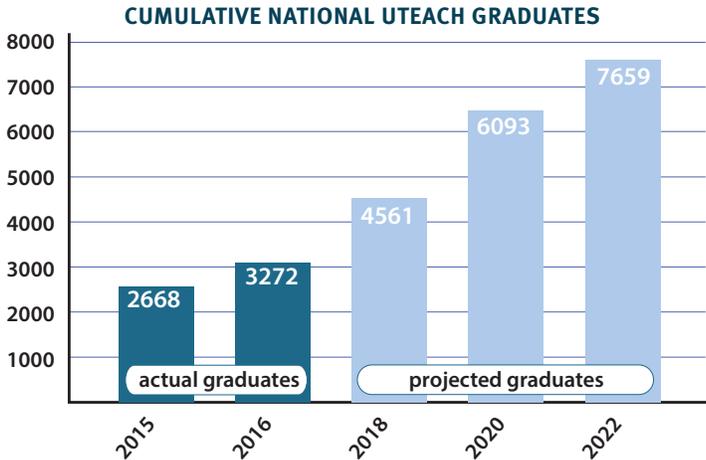
**UTEACH NATIONAL EXPANSION**  
NATIONWIDE ENROLLMENT FOR ACADEMIC YEAR 2016–2017: 6938



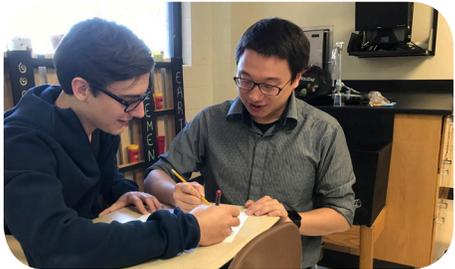
**61% of UTeach graduates are teaching in K–12 schools with a majority low-income population.**

**“Their mission is not just math and science. It’s math and science for everyone.”**  
Jill Marshall, Associate Professor, Department of Curriculum and Instruction, The University of Texas at Austin

In a period when national teacher production declined by 20%, STEM teacher production at UTeach universities climbed by 40%



**“Bringing the UTeach program to UAB has transformed STEM teacher preparation in an amazing way! Enrollment has soared, and excitement about UABTeach has spread across the campus.”**  
Lee Meadows, UABTeach Co-Director, University of Alabama, Birmingham



## UTeach Institute

**WE PREPARE TEACHERS. THEY CHANGE THE WORLD.**

The University of Texas at Austin | College of Natural Sciences  
[info@uteach.utexas.edu](mailto:info@uteach.utexas.edu) | [www.uteach-institute.org](http://www.uteach-institute.org)

The UTeach Institute supports a national community that improves STEM education by increasing the number of high-quality teachers and improving access to inquiry-based curriculum. See the technical supplement to this report for more information: [uteach-institute.org/uteach-impact](http://uteach-institute.org/uteach-impact).