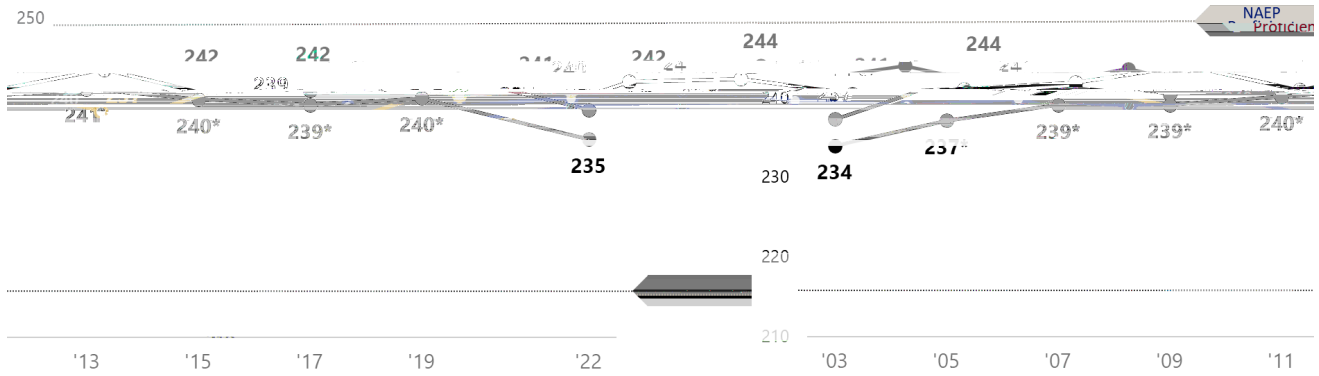
Learning Acceleration in Math

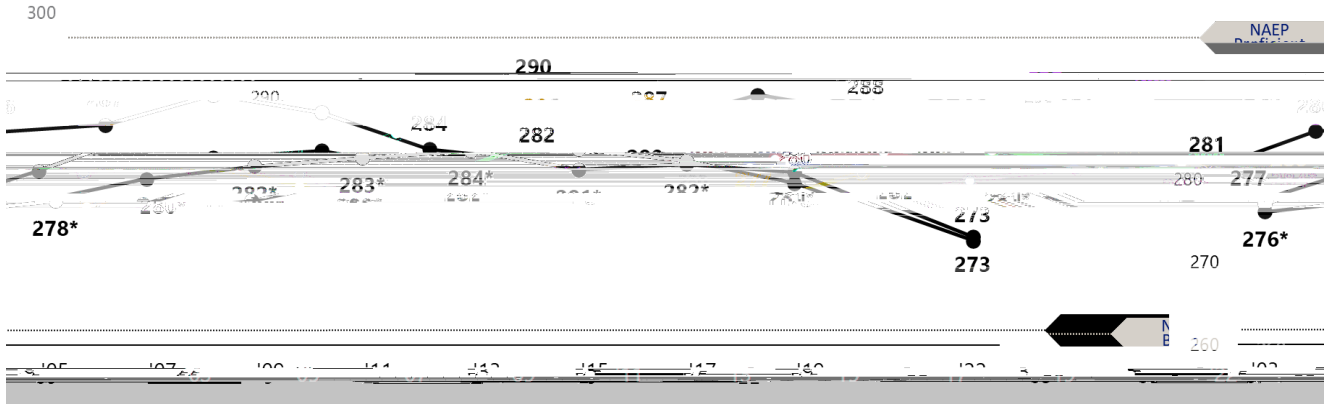
US & TX NAEP Scores Saw Steep Declines in Math Proficiency

4th Grade Math



-5 points

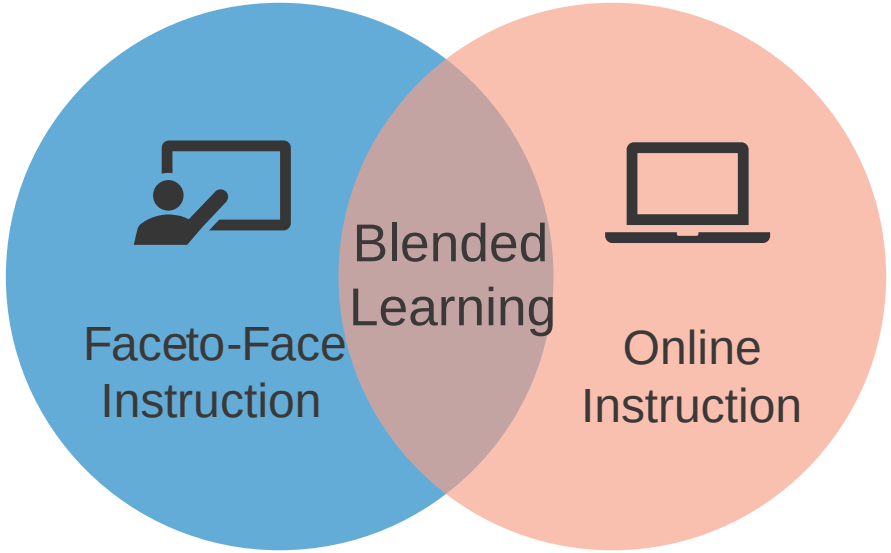
8th Grade Math



*Significantly different ($p < .05$) from 2022.

Blended Learning Can Accelerate Student Learning

Blended learning combines the benefits of online learning with face-to-face teacher instruction to help teachers effectively supplement Tier I instruction and accelerate student learning.



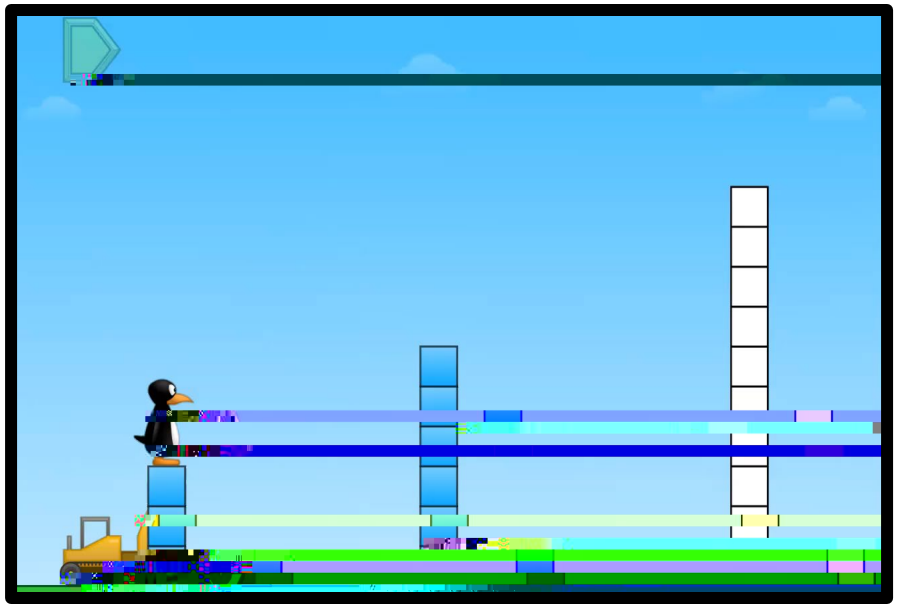
Online Instruction:

Quick diagnosis of TEKS Mastery for all students

Automatic differentiation in supplemental content for students

Adaptive adjustments in student-facing content based on student understanding

Two Tools w/ Results in Accelerating Student Learning in Math



ST Math

Differentiated access to learning through challenging puzzles, non-routine problem solving, and informative feedback.

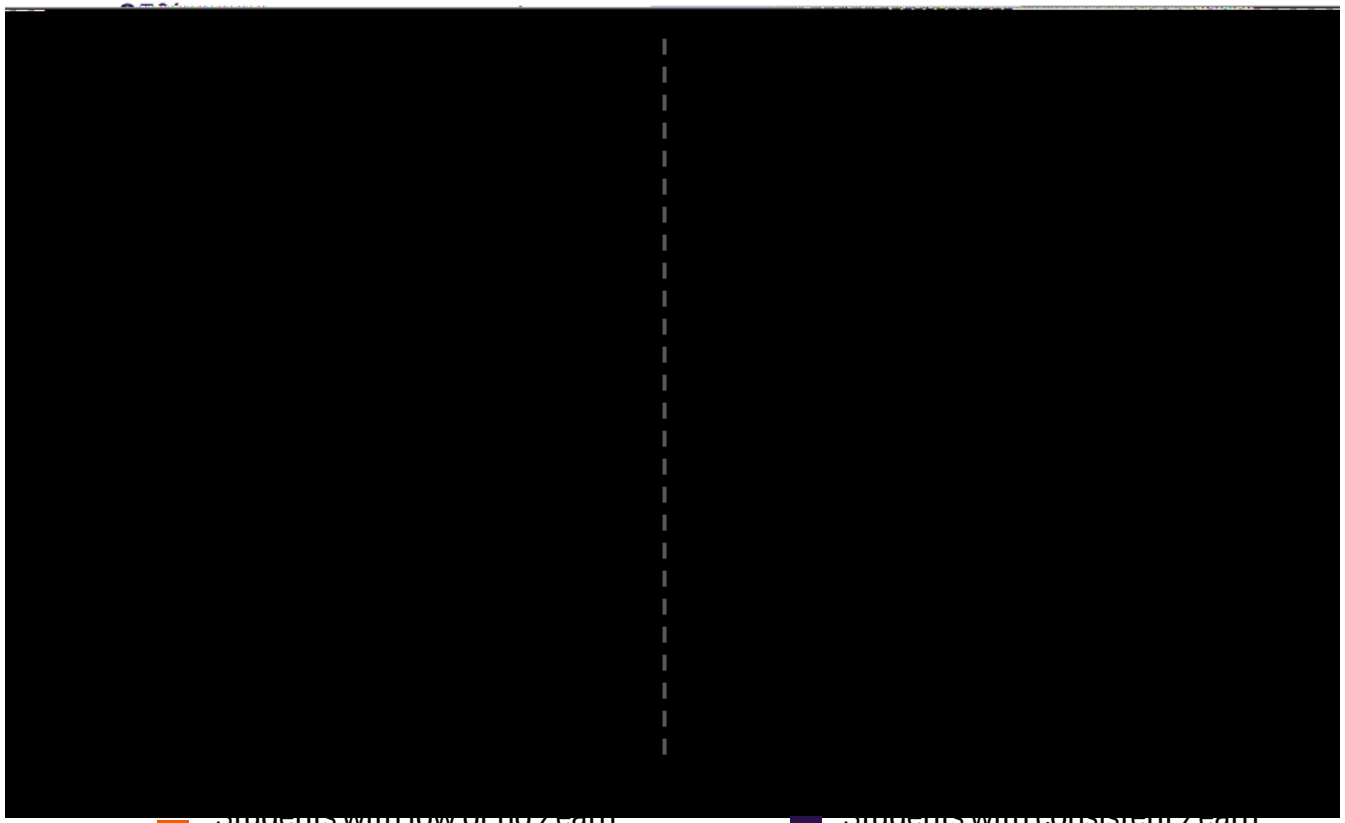
Zearn

Students explore math concepts with on-screen teachers, interactive models, and built-in Tier 1 intervention.

High Fidelity Blended Learning Delivers Results

Based on a half year of usage, students meeting usage requirements for Zearn showed greater rates of Meeting and Mastering Grade Level on the STAAR between Spring 2021 and Spring 2022 than similar students who did not meet usage requirements.

Fidelity of Implementation – students having time and structures to meet usage recommendations – is critical to impact on student outcomes

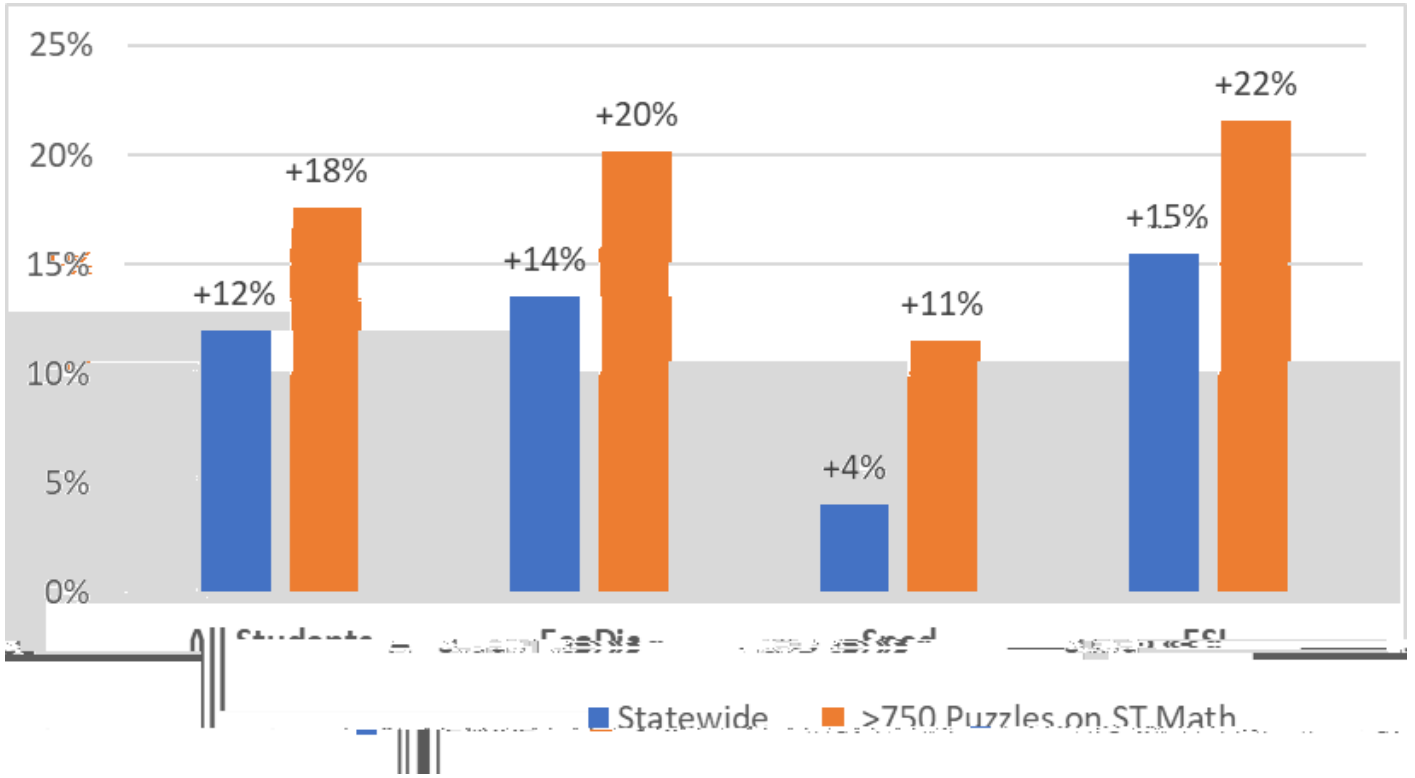


Notes: *3 lessons/week typically equates to about 90 lessons/year; This analysis compares high fidelity Zearn users with a matched group of similar students

High Fidelity Blended Learning Delivers Results – ST Math

4th and 5th grade students meeting minimum usage requirements on ST Math showed greater improvement in meeting or mastering grade level

Fidelity of Implementation – students having time and structures to meet usage recommendations – is critical to impact on student outcomes



Two Forms of Support Are Available from TEA to Help Improve Math Acceleration & Proficiency for Your Students

Option 1

Supplemental Accelerated Instruction Blended Learning Tools

- Online learning tools, used to supplement tier 1 instruction
- Typically meets HB 4545 requirements
- Proven results when students meet usage standards

Option 2

Option 1: Supplemental Accelerated Instruction Blended Learning Tools

ST Math and Zearn, when minimum usage requirements are met, have led to a significant gains on STAAR assessments. These products are available to interested districts at no charge.

Statewide License Available through December 2023

To access: Signup at stmath.com/Texas

Licenses Available through September 2024

To access: Send email indicating interest to TexasTutoring@tea.texas.gov

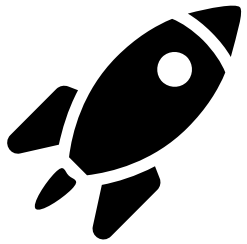
Note: Licenses allocated on first-come, first-served basis with waitlist option for 23-24 school year

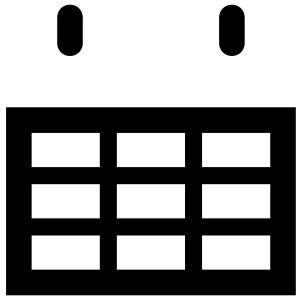
Option 2: Integrated Tier 1 & 2 Blended Learning Systems

Online Curriculum Implementation: funding to contract with online curriculum vendors for technical assistance and training

Design & Implementation Support: funding to support the implementation of a blended learning model aligned with quality Tier 1 instruction

Blended Learning Licenses and Aligned Supports: funding for licenses to are to (f)25.2 (n)1 52 Tw (L)1.638(f)n812 1.6(r)-1e Pagr 1 (l)02sio1.638(f)(a)2 (l)2 (10 funding for additional personnel to -(n)1 52 Tw (u)1 (p).portnblended learning(e.Lg.n oarr





The application is now open
November 7, 2022 – December 22, 2022

We recognize that this window runs up against the winter break in some cases. Our intent here is to provide as much time and a longer runaway to application completion as possible.

We intend to work with LEAs alongside ESCs to provide the supports needed to be set up for success to apply and complete the application

Key Dates	Description
October 17th 9-10am October 18th 12-1pm	General webinar • Already conducted. Find the recording and the deck on the LASO Website
November 14th- November 18th	Program Specific Webinar • Content deck and recordings will be posted on the LASO Website on 11/18/22
Resource	**Description**
LASO grant Overview	• Provides information on the program description, commitments, funding, and implantation dates. Links on the LASO Website

Texas Educa