



Supplemental Elementary Mathematics Summer Toolkit

Texas Home Learning



Learning From the Past to Help Students Today

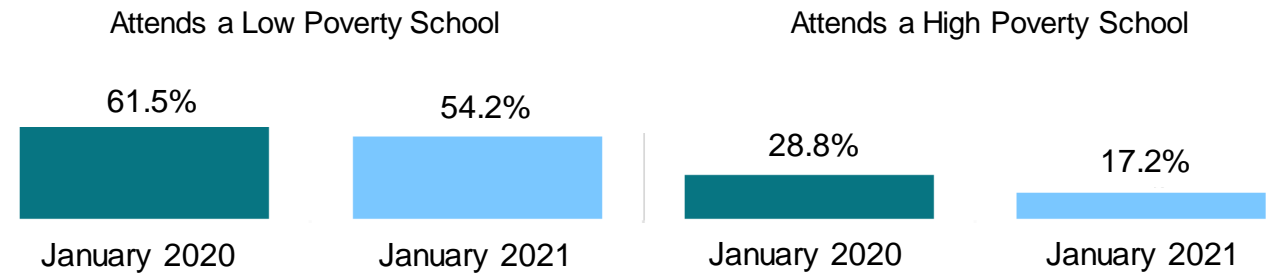
Hurricane Katrina



After **4 years** of intervention, those students recovered to state averages in reading. **They did not recover in math.**

Source: TEA

Projected levels of 3rd Grade Meets & Masters Grade Level at end of year in Texas schools using MAP



Source: NWEA MAP, *Exploring The Educational Impacts of COVID-19*, May 2021
Data based on approximately 24% of public kindergarten through 8th grade students in Texas participated in MAP Growth assessments

Critical Need for Highly Implementable Strategy to Increase Math

The overwhelming need for change:

- Over the next two years, addressing math declines will take intensive efforts, upgrades to curriculum and teacher support, potential master schedule changes, summer learning, tutoring, and more.
- This is on top of all the other changes we will need to make to address mental health needs of students and staff.
- And this is on top of changes to improve literacy and academic achievement in all other subject areas.

Major changes already underway:

- School system leaders are already very hard at work implementing changes to support students – especially with plans to significantly expand summer learning, in many places already being implemented.

In systems that are overwhelmed:

- And in the background: driving change is hard in normal times. These are not normal times: our teachers (and all educators) are exhausted after an extraordinarily difficult year.

Is there an easily implementable, supplemental offering to improve math achievement, that can be deployed without major systems changes in a school district? And perhaps one that takes advantage of the extensive increase in 1:1 devices achieved by Operation Connectivity over the past year?

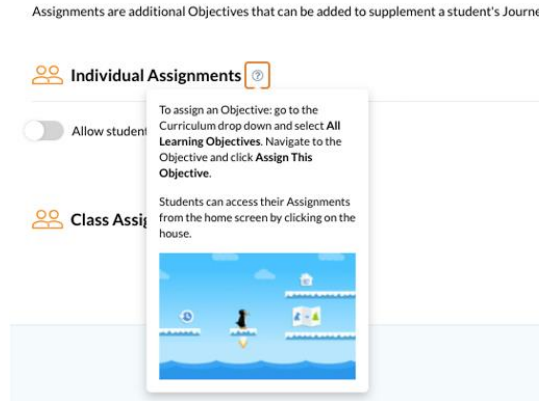
ST Math is Engaging, Easy to Implement, and Proven

Engaging for Students and Can be Used at Home or School



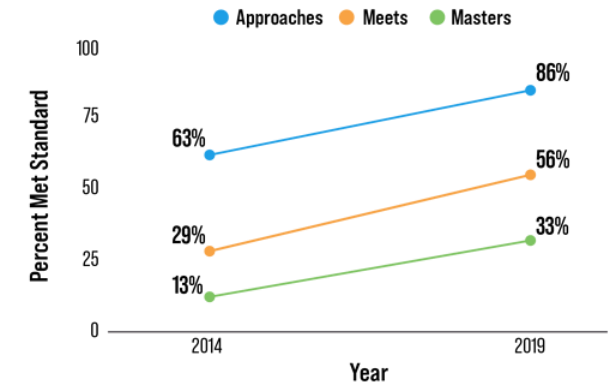
Provides students with **differentiated access to learning through challenging puzzles**, non-routine problem solving, and informative feedback, **regardless of location.**

Easy to Set Up and Monitor Student Progress for Any Adults



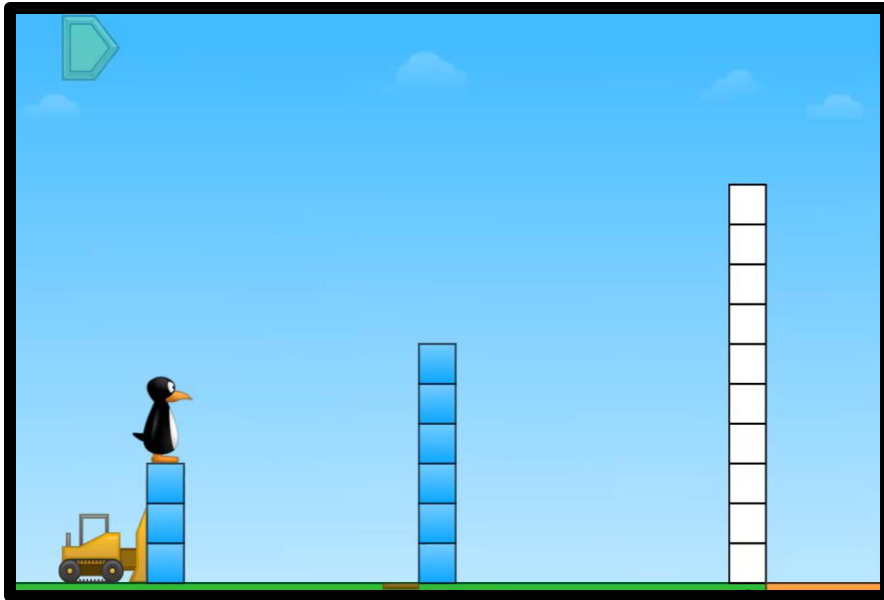
As a supplement to core math instruction, ST Math offers a solution **to build conceptual math understanding for all learners towards TEKS mastery.**

Proven Results in Texas



Significant gains in students scoring Approaches, Meets, and Masters on STAAR following district-wide implementation in Texas.

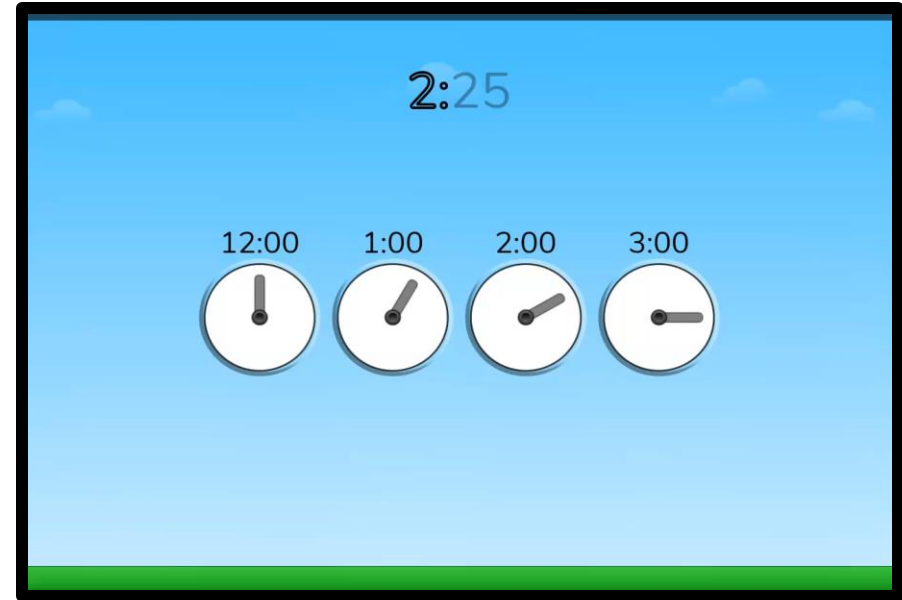
ST Math in Practice



Push Box

Kindergarten

Understanding Addition and Subtraction
within 10



Time Unroll

3rd Grade

Intervals of Time

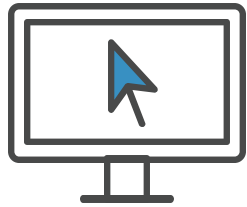
Easy to Implement

- ST Math is designed to be a supplement in grades PK –8 and we have no cost access for all Texans for K-5.
 - Continue providing core Tier 1 instruction as deemed appropriate locally.
 - Students can make progress in ST Math with minimal adult involvement, and when adult support is required, a math teacher is typically not required.
 - Students should use ST Math:
 - 60 min/week in K – 1st grade (example: 15 mins / day x 4 days)
 - 90 min/week in 2nd through 5th grade
 - This can happen at home, outside of the school day; or it can be built into the school day.
 - This summer: work with families to ensure students make progress each week, even for students not participating in summer learning at school. Conduct bi-weekly emails, texts, or calls to families to celebrate and/or encourage progress made on learning devices at home.

Getting Started is Quick & Easy with These Four Steps

STEP 1

Access and Ensure Sufficient Connectivity



- Request **no cost access** [here](#) and schedule 30-minute kickoff with ST Math team.
- **Ensure sufficient devices** (i.e. laptop, Android tablet, Chromebook, Kindle, iPad) and internet access for participating students.

STEP 2

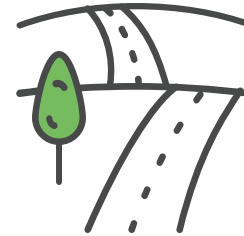
Roster Students



- **Decide from these [rostering options](#)** – including Clever and Classlink single-sign-on – and the ST Math team will help roster your students (as soon as 3 days after kickoff.)

STEP 3

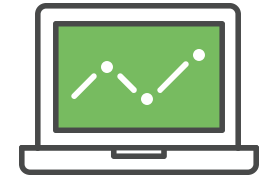
Setup students to begin use



- Share **login information** and [ST Math overview](#) with students.
- Share **[resources](#) with families** about ST Math usage and expectations.
- Students work towards **meeting target usage minutes** (60 min/week in K – 1 and 90 min/week in 2 – 5)

STEP 4

Monitor, encourage, & support



- Pick a day of the week to check student progress.
- Review your **educator dashboard** to see how students are doing.
- **Follow up** with students as needed based on progress:
 - On Target: Send affirming [notes](#).
 - Off Target: Email [support](#) resources to parents

Additional Support & Resources are Available

- Teacher Resources
 - Supercharge Summer Learning Objectives aligned with key TEKS
 - Teacher & Family Guidebooks
 - Professional learning webinars and asynchronous courses available throughout summer for staff as part of THL partnership
 - Review Correlations with Tier 1 Curriculum including Eureka Math TEKS Edition
- Reach Out
 - The ST Math team is here to help! Email texas@stmath.com

