Supporting Research

TEKSas **Target Practice**™
Not for sale or use outside the State of Texas.

Target the Question™

Target RLA™

Lone Star Learning Digital Programs are built on the science of learning. The research behind the tools used in Lone Star Learning Digital Programs supports the effectiveness of using it daily in your classrooms.

Retrieval-

There are 3 stages to learning.

1. Encoding, where we get information into students heads
2. Storage, where we HOPE information is kept
3. Retrieval, where we pull information out

We often focus on encoding and neglect retrieval. Research shows that after 48 hours students forget 80% of what they have learned if they are not given the opportunity to retrieve the new information. Ouch, they only remember 20% of what we have taught. Wait! It gets worse. After 30 days students will have forgotten 97% - 98% of what they have learned, if they have not retrieved that information. (Figure 1) You work too hard to settle for students only remembering 2% - 3% of what you've taught. Lone Star Learning Digital Programs ensures your students are given opportunities to retrieve learning daily.
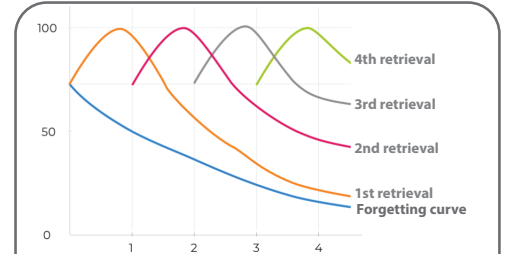
Research supports that providing your students with retrieval practice opportunities, like Lone Star Learning Digital Programs, greatly decreases test anxiety. Students become confident with content and therefore less anxious when it comes time to perform. Your students will be ready to shine. (Figure 2)
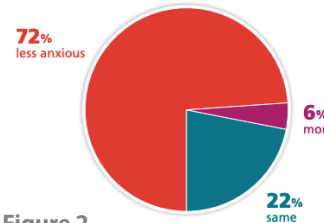
Spiraling/Spaced Practice-

When students encounter information repeatedly in one session, it quickly becomes familiar and creates an "illusion of knowing." Research shows that spacing/spiraling increases long-term learning and decreases forgetting. Spiraling content gives students the opportunity to engage in retrieval practice multiple times over time. Lone Star Learning Digital Programs built-in spacing prepares students for HIGH scores and INCREASES knowledge and retention. (Figure 3)
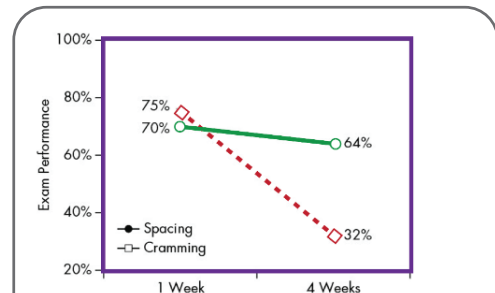
Interleaving-

Research shows that learning increases when we mix up concepts we are learning. Interleaving, a strategy of mixing things up, gives teachers and students a realistic picture of where they are in their understanding. Blocked practice deceives teachers and students! If students only practice concepts in blocked practice, they will struggle during a test when they experience interleaved questions/problems. (Figure 4)

The interleaved concepts built into Lone Star Learning Digital Programs forces students to determine and retrieve which strategy or approach works best for the problem at hand.

Feedback-

According to cognitive scientist Pooja Agarwal, there are two common metacognitive illusions: the illusion of mastery and the illusion of confidence. Students' confidence-accuracy mismatches (incorrect answers with high confidence and correct answers with low confidence) can be remedied with feedback.

Quality and immediate feedback has shown to increase learning by a letter grade!

Lone Star Learning Digital Programs allows daily feedback so students are not fooled by the illusion of mastery. This feedback gives students an honest evaluation of their strengths and weaknesses.

Figure 1- Classrooms that incorporate Lone Star Learning Digital Programs break the forgetting curve and experience high scores on classroom, district, and state assessments.

72% less anxious
6% more
22% same

Figure 2-

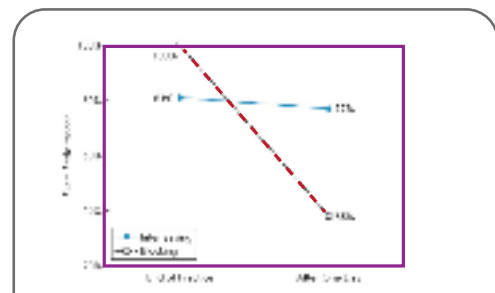**Figure 3-**Research done on spacing/spiraling shows that students who interact with content over time perform 50% better than students that do not.

Figure 4- Math students show almost double the exam performance compared to students who completed blocked practice.

Powerful Teaching: Unleash the Science of Learning
Author(s):Pooja K. Agarwal Ph.D., Patrice M. Bain Ed.S.,

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Success Stories

From a "F" to an "A" in 2 years!

I bought TEKSas Target Practice for my entire campus, kindergarten through 6th grade. We do it every day! It is great to do the sprialing review every two weeks. It has really helped our campus tremendously. When I walked onto the campus two years ago we were an "F" rated school. WE ARE AN "A" NOW!!

Stephanie McConnell
Hawkins Elementary
(Principal Principles)

All 6 Distinctions

We have used TEKSas Target Practice for years at our school. Last year we received all six distinctions from the state of Texas, and we directly attribute much of that success to Lone Star Learning. We remain consistent in grade levels K-5 in using the program, and our kids each year are exposed to your digital learning for reading, math, and now science. We love our Lone Star Learning here at Westside!
-Angleton ISD-Westside Elementary

100% Passing

Our school has used Lone Star Learning for over 15 years and we have had 100% passing rate on the state assessment every year. Lone Star Learning is an awesome resource.
Ms. Ramirez, Patton Springs ISD

From a "C" to an "A"

Thank you so much for putting out such a wonderful product for our teachers. This past school year, we implemented Lone Star Learning in our district, and we saw great gains with all student cohorts. As a matter of fact, preliminary reports indicate that we went from being a "C" in the School Progress category to an "A"!!!

Most sincerely and appreciatively,
Raul J. Trevino
Assistant Superintendent of Academics
Rio Hondo ISD

31% Passing to 81% Passing

Thank you for such an outstanding, wonderful educational tool! Since this was the first time my students took the STAAR test, I am comparing the first benchmark scores in October to the actual STAAR results in May. In October I had 10 students pass at the "approaches" level and on the real STAAR test I had 26 pass at "approaches" or above. Awesome improvement, I am sure from TEKSas Target Practice! We climbed from 31% passing to 81% passing!!! Thank you, thank you!
Sharon Wood, Shamrock ISD

Low-socioeconomic Success

Our student's test scores have been impacted in a big way through the TEKSas Target Practice! District assessments have shown 20-30% average growth and we are projected to have some of the highest scores in the district on end-of year assessments. For a low-socioeconomic campus with struggling learners this has boosted our student's confidence in themselves in a TREMENDOUS way. The studentss are excited to learn and show us how capable they are. This is a program we will continue to use for years to come! - Shayla Kennard

Target the Question™

Build Critical Thinking Skills

The critical thinking skills required in these problems is rigorous! It pushes my students to be thoughtful and sift through information to determine what is necessary and what is extraneous. I wish there was a way to stay in my internet browser window when I select a week. I don't like that another window opens with the problem in it.

Grapevine-Colleyville ISD

No TEKS Left Behind

Target the Question is 100% aligned to the TEKS! I don't have to worry about not teaching a standard because Lone Star Learning has them all covered. I highly recommend adding this program to your day!

TISD 2nd Grade Teacher

Builds Problem-solvers

I love Target the Question because it teaches my students and helps them look at what the question is asking and to only look for what they need. This is hard for students to do because they want to use all the numbers.
Megan

No More Plug and Chug

I love that it is everyday practice of math problem-solving. I appreciate how the problems increase in difficulty with each week. I feel that this program is beneficial in helping students learn and find keywords within a multi-layered word problem. The color system allows students to use highlighters to identify important information and keeps students engaged. It also helps students learn how to differentiate between needed and unneeded information within a word problem.

Legacy-Christian

33 Point Gain

Everyday practice of math problem-solving. We took a sample math assessement last year and scored within the 54th percentile. This year we scored within the 87th percentile!

5th Grade Teacher

100% Passing

My students have learned to carefully read a problem and discern the needed strategy to successfully come to a solution. I credit this daily problem-solving opportunity to helping my class achieve 100% passing on the STAAR. They were equipped and ready to succeed.

SISD 4th Grade Teacher

"Every district in Texas should be using it!"

I am so impressed with the Target RLA program I purchased for my 4th-grade class. We are going into the 4th week of school and this is my first year utilizing it, but I can already see a change in my students writing. I am teaching at a tier 4, title 1 school. About 30% of my students passed STAAR last year and I knew they would need some extra practice if they were going to have any hope of improving this year. This program has interesting stories every week that are fun for the students to read. They never get bored with the materials provided. I love the sentence building exercise that they do every day because not only are they learning how to build good, descriptive sentences but they are learning what nouns, verbs, and adjectives are. And this is something they practice EVERY day. The questions of the day are higher level thinking and require the students to refer back to the story for details. I can't say enough good things about this program. Money well spent and I will be using it for years to come. Thank you for creating this wonderful program! It is something I think every district in Texas should be using.

Kristin Williams

Easy to Use

Target RLA is very user friendly, and the content is excellent.

Sarah

Retrieval Practice Works!

I absolutely LOVE Target RLA. It provides me the opportunity to touch on some concepts not formally introduced yet as well as reviewing important concepts throughout the year.

Lillie

Power of Feedback

We have just recently purchased Target RLA and we LOVE it! One testimony to why it works is that it has helped students work through the answers together as a class and reason why the answers are correct/incorrect. Every morning they come in and get their Chromebooks and start working because they are eager to discuss the question and answer choices as a class and talk about what kind of strategies they need to use on the question.
Ennis ISD

50% Gain

The comprehension questions build each day. I had students making 30's before beginning this and students are now making 60's!

Leslie