



Utah Makes the Grade for Student Math Achievement

According to the 2022 Nation's Report Card, Utah has one of the best 8th grade math scores—9 points higher than the national average. Utah is also the only state with a sustained math score average comparable to pre-pandemic levels.



Top 3
in the nation

Utah has one of the highest percentages of students at or above proficiency for 8th grade math.



9 Points Higher
than the national average

For the 2020–2021 academic year, the average 8th grade math score in Utah was 282. Elsewhere, 8th grade math scores decreased by 8 points (compared to pre-pandemic scores).



Utah Leverages the Power of Personalized Learning Software

ALEKS® is a learning accelerator for math that helps students achieve mastery more than 90% of the time. Using Knowledge Space Theory, it determines what a student knows and doesn't know, and guides them on an individualized path that continually adapts to keep them focused on what they're most ready to learn.

In Utah, ALEKS is approved for the K–12 math grant, which provides schools funding to supplement classroom instruction using high-quality personalized programs with strong outcomes.

As of January 2022,

Almost 40,000 Students Were Actively Using ALEKS®

under the K–12 Math Personalized Learning Software Grant from the Utah STEM Action Center



54 Minutes per Week

Average time Utah students spent with ALEKS® in 2022.

Suggested use is 30 to 60 minutes per week.



ALEKS® is Making an Impact on Utah's Math Achievement

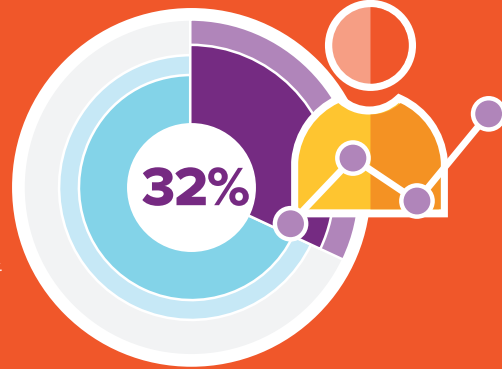
Delivering targeted instruction on the topics each student is most ready to learn, ALEKS® is supporting math growth in Utah.

Compared to non-users, Utah students using ALEKS® in the third usage quartile were

32% More Likely to Score Proficient

on their state math assessment

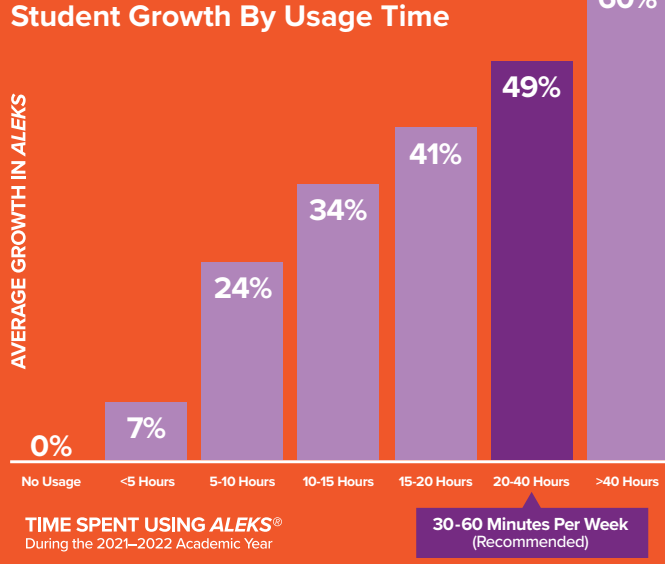
Students in Q3 met or exceeded the 30-minute "effective usage" weekly minimum, averaging 48–84 minutes of program use per week. Source: BRIEF REPORT: Associations Between ALEKS Personalized Learning Software Use and Student Mathematics Achievement in Utah in 2020-2021.



The More Students Use ALEKS®, the More They Grow

For every hour increase in average monthly usage of ALEKS®, student growth percentiles increased by almost 2 points.

Source: Math Software Use and the Covid-19 Pandemic Study



ALEKS® Helps Close Learning Gaps

When compared to their middle-to high-income peers, low-income Utah students had a stronger positive relationship between ALEKS® usage and math achievement growth.

Source: Math Software Use and the Covid-19 Pandemic Study



Successful Educators Share Best Practices

In a recent study, Utah educators revealed four promising practices for successful implementation of math personalized learning software:

1. Learning software is most effective when used as supplemental support for strong teaching practices in the classroom—not as a replacement for instruction.

2. Set clear goals based on competency rather than time. **With ALEKS®, educators can assign progress goals and topic completion goals customized to students' unique needs.** As students learn topics, the ALEKS® Pie fills in to reflect their progress.

3. Personalize teaching through data gathered from the software. **Using the ALEKS® Pie Report, educators can quickly identify the exact topics each student has mastered in real time—and also determine where they have gaps.**

4. Experiment with ways to maximize the software's strengths and build upon independence's strengths. **ALEKS® makes it easy for students to receive immediate feedback, have choice over what to practice, and track their learning progress.**

Source: Exploring Promising Practices in Math Personalized Learning Software Use Among Educators Identified as Positive Outliers

Utah Educators are Thrilled with ALEKS®...

“ALEKS® assists students if they complete a problem incorrectly. It's much more responsive and helpful than a worksheet.”

“ALEKS® gives students independent practice, and it's at their level.”

“ALEKS® helps me manage my students being able to retake their tests as many times as needed. And I like that it gives them immediate feedback.”