

THE LEARNING SHIFT

Why interactive learning tutorials are the new textbooks.

"If we're growing, we're always going to be out of our comfort zones."

– John C. Maxwell

Until today, students used textbooks. Textbooks are tangible, concrete, and comfortable. But today, our students are different; our world is different; and our students learn differently. As we aim to better prepare our students with a greater emphasis on clinical judgment skills and a constant motivation to achieve deeper learning, we have to consider what must change.

CONTENT

Students need current content and practices that focus on the need-to-know for a nurse generalist today and reduces the nice-to-know. With a more tailored scope, students can dive deeper into what they're learning for better absorption and retention. Textbooks contribute to the oversaturation of content hindering students and are often outdated the moment they're available for purchase.

LEARNING STYLES

We all know that most students just don't read.

The Bill & Melinda Gates Foundation reports that the serious-minded, success-focused Generation Z has been steeped in technology since kindergarten. These students' expectation, then, is for teaching to follow suit. Textbooks lack engaging components and students don't have the time required to absorb a textbook.

THE LEARNING SHIFT

A shift from textbooks to interactive, online content offers a two-way learning experience where students engage along the way with tutorials packed with multimedia like videos, animations, interactive diagrams, definitions with pronunciations, educational application games, quizzes, virtual scenario challenges, collaboration with classmates, and more. Plus, with online engagement, educators can track student preparedness for class and growth throughout the course or curriculum.

BETTER TEST SCORES

Double-Digit Improvements

One study showed online lessons with interactive features improved science test scores by an average of 16.7% compared with 5.7% of students using textbooks.

Aid for Struggling Students

Underachieving students have seen improvements of up to 18% in science scores, closing the gap with peers, when using screen-based solutions.

Better Performance & Higher Satisfaction

A study illustrated the effectiveness of fully interactive, multimedia-based e-learning through better student performance and higher levels of satisfaction.

Augmented Erudition

A literature review on the cognitive-affective theory of learning showed that guided activities, reflection, feedback, pacing, and pretraining — key aspects of interactive multimodal learning — were fundamental to maximizing learning.

MENTAL & MOTIVATIONAL ADVANTAGES

Deeper Learning

Research shows the greater engagement with interactive media leads to higher cognitive absorption of content. Plus, specific attributes — physical interaction, interface assessment, absorption, and digital outreach — were proven predictors of attitudinal and learning outcomes.

Improved Critical Thinking

Screen-based multimedia learning materials have proven to be “valid, practical, and effective.”

Faster Achievement of Learning Objectives

Tech-based instruction can reduce the time students take to reach a learning objective — by as much as 80%.

Increased Motivation

Teachers report interactive tutorials increase students’ motivation to learn.

Higher Enjoyment

Students using interactive modules voluntarily revisit and recomplete assignments at an increased level compared to those using traditional textbooks.

Bigger, Better, Bolder

Interactive learning has proven to motivate students to learn, made learning more exciting, increased students’ attention toward instruction, was more efficient, and increased students’ interest in the class.



STRATEGIC REMEDIATION

Immediate Feedback on Learning

Active learning requires agile teaching, which requires information. Digital learning tutorials, however, with integrated questions, provide immediate feedback on what students have achieved and where they need more assistance.

Small vs. Major Adjustments in Teaching

Screen-based modules allow for synchronous assessment; educators can see students’ comprehension in real time, allowing them to make small lesson adjustments as students begin to veer off course rather than taking an

assessment just before a major exam and suddenly making significant corrections.

Controlled Access

Educators report enjoying the ability to release learning in sections, week by week, so students can’t skip ahead and must master what’s in front of them before they can move on.

Self-Paced

Students can learn material at their own pace, rerunning simulations multiple times to help them internalize principles being demonstrated.

ENHANCED ENGAGEMENT

More Challenged Tactile Learners

Interactive technology benefits a wide variety of learner types. Kinaesthetic learners, in particular, gain from multi-modal options.

Superior Self-Assessment

Screen-based learning provides multiple options for self-assessment, such as via sample problems with step-by-step solutions or interactive checkpoint problems that supply hints when requested.

Fun + Feedback

Students learning medication-dosage calculations said interactive media was more enjoyable and interesting than textbooks and provided sufficient feedback.

Overcoming Boredom

Students across four countries preferred the dynamic presentations, effective animation, comic effects, and interactive media of digital learning resources.

**For a reference list, visit atitesting.com/textreplacement.*



Visit atitesting.com and the ATI Innovation Lab in the exhibit hall to learn more about ATI’s first-of-their-kind interactive learning tutorials:



Engage Fundamentals
and HealthAssess