



PERSONALIZED LEARNING

Featuring Davis Advantage

ENGAGING TODAY'S STUDENTS TO ENSURE SUCCESS

Transform learning challenges into learning opportunities

As an instructor, you know the obstacles your nursing students struggle to overcome and the behaviors they demonstrate when they are challenged by new content:

- Too much to read or “content overload”
- Difficulty applying the content or making connections
- Lack of focus or missing the “need-to-know” information
- Arriving to class unprepared
- Reluctance to complete homework
- Limited or no participation in classroom discussions

Davis Advantage’s personalized learning solution addresses these familiar challenges by turning them into student-driven learning opportunities. Combining the power of a textbook with an innovative online program, Davis Advantage brings cutting-edge educational strategies into the nursing classroom.

Personalized learning is increasingly a baseline expectation for students. Today’s university and community college students expect an online, interactive component to their studies, with roughly 60 percent using an online access code for supplementary learning materials in the 2016–17 academic year. ¹

Even many high schools and middle schools are adopting personalized learning technology, as teachers seek to tailor their methods to individual students and maximize the use of classroom time. ²

Through a personalized learning approach, students have more voice and ownership in how they learn. So, each time they walk through the door of your classroom, they are prepared, engaged, and ready to participate at higher levels.

“My grades have improved; my understanding about topics is much clearer; and, overall, it has been the total package for what a nursing student needs to succeed.”

—Hannah, Student at Judson University

“Davis Advantage is easy to access, with pertinent information. Having students prep before class is essential to learning. Students want to know what is necessary to know. A clear, consistent format is helpful for them.”

—Suzanne Carlson, RN, MSN, Instructor at Southwestern Community College

What is Personalized Learning?

Personalized learning means different things in different classrooms. The U.S. Department of Education’s Office of Educational Technology (OET), however, offers the following as a general definition:

*“Personalized learning refers to instruction in which the pace of learning and the instructional approach are optimized for the needs of each learner. Learning objectives, instructional approaches, and instructional content (and its sequencing) may all vary based on learner needs. In addition, learning activities are made available that are meaningful and relevant to learners, driven by their interests and often self-initiated.”*³

Some might wonder whether this is really so new. Haven’t teachers always offered personal feedback to students? Yes, but today’s technology helps teachers do so much more.

As the OET Notes:

*“Technology makes it possible for a teacher to scale these activities consistently and accurately to more students, which is important given the practical realities of teacher-student ratios in classrooms.”*⁴

Defining Characteristics of Personalized Learning

Instructors who have effectively implemented a personalized learning approach like Davis Advantage cite a combination of critical elements that work together to support student learning:

- A tailored approach to learning that allows customization for each student
- The ability to measure student progress against an established set of criteria
- Customized student assessments based on personalized data
- The opportunity to implement the approach at scale through technology

Instructors also note that personalized learning allows for an “assess as you go” strategy.⁵ Rather than waiting two weeks until test day to see how well students are mastering the material, teachers can use online portals to assign work that is instantly graded, identifying gaps in understanding early. Students receive data-based recommendations to help improve their mastery of the material throughout the course, rather than simply after a few assessments.

Why Implement a Personalized Learning Approach like Davis Advantage?

Implementing a personalized learning approach like Davis Advantage provides immediate benefits for both instructors and students:

STUDENT ADVANTAGES	INSTRUCTOR ADVANTAGES
Allows the pace to be set by the student, so they have the time they need	Maximizes in-classroom time, allowing instructors to build an active classroom
Gives immediate feedback to address learning gaps	Minimizes preparation time for classroom instruction
Offers more resources to remediate specific challenges and learning gaps	Offers the ability to tailor instruction to the individual student

Students Prefer Personalized Learning

Over time, studies have shown that students feel more engaged in courses that offer multimedia learning materials. For example, a 2009 study found that students were more engaged in courses with multimedia components such as video and PowerPoint,⁶ and a 2012 study showed that digital video can offer benefits such as increased student motivation, better grades, and increased autonomy.⁷

Today, such materials are often delivered via personalized learning platforms like Davis Advantage, and students continue to respond to them. At Brigham Young University, more than 80 percent of students prefer whiteboard-style animated mini-lectures to other learning methods.⁸ And at the University of Mississippi, instructors create animated mini-lectures to pique students' interest in reading materials.⁹

For these reasons, Davis Advantage includes newly developed videos to teach key topics in ways that resonate with today's students. These animated mini-lecture videos use analogies and visual representations to make concepts more accessible, memorable, and exciting.

Top benefits of using Davis Advantage:

- 1** Makes connections to key topics
2. Improves student engagement
3. Increases student participation & collaboration
4. Maximizes the impact of classroom time
5. Makes teaching easier

Personalized Learning Boosts Outcomes

Learning outcomes also improve with personalized learning. For example, a study of 62 schools by the RAND corporation found that students in classrooms that used personalized learning scored higher in skills assessments than students in classrooms where teachers lectured from the front of the room.

Instructors see the benefits, too. The RAND study found that 70 percent of teachers said they were more effective after adopting personalized learning.¹⁰ Separate research has found that 93 percent of education professionals agree that students would benefit from personalized pacing targeted at gaps in achievement or to accelerate learning.¹¹

In the big picture, there is one fundamental advantage to a personalized learning approach:
STUDENT SUCCESS.

How Does Davis Advantage Personalize Learning?

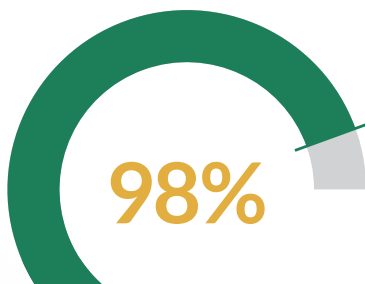
Davis Advantage gives instructors the opportunity to tailor the learning experience for each student, based on their individual learning needs and gaps.

Davis Advantage creates a personalized learning plan based on each individual's needs, and guides students on a curated path to learning through engaging, interactive content. Instructors receive real-time data on student performance, allowing them to focus their teaching and plan class time accordingly.

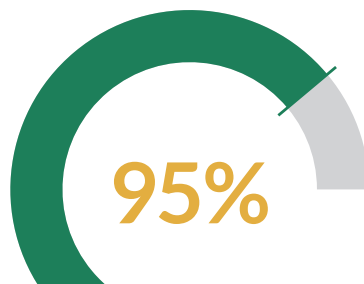
Class time is then maximized through teaching tools that facilitate active classroom remediation and exploration of content.

Davis Advantage is a complete, integrated solution for Medical-Surgical, Pathophysiology, and Fundamentals courses, using a three-step, cyclical approach:

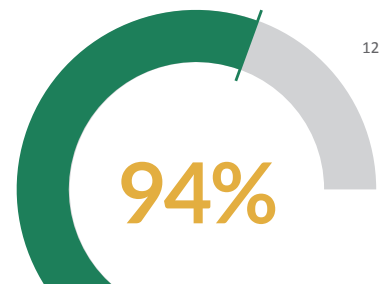
	STUDENT EXPERIENCE	INSTRUCTOR EXPERIENCE
LEARNING	<ul style="list-style-type: none"> Bridges the gap between science and clinical care Connects concepts to practice Promotes active learning Integrates a free ebook 	<ul style="list-style-type: none"> Engages students with an easy-to-read and understand writing style Focuses on safe-practice
APPLYING	<ul style="list-style-type: none"> Engages students in active, self-driven learning Creates personalized learning plans tailored to individual needs Identifies strengths and weaknesses through pre-and post-assessments Deepens understanding to help make the connections Promotes interactive learning through videos and activities Improves test scores 	<ul style="list-style-type: none"> Increases engagement, participation, and collaboration Enriches classroom discussions with tools that foster active, hands-on learning Provides real-time data on participation and progress for both the classroom and individuals Creates personalized teaching plans based on student performance Integrates technology into the classroom Identifies weaknesses for focused remediation
ASSESSING	<ul style="list-style-type: none"> Offers thousands of high-quality questions aligned with their text Gauges comprehension, retention, and mastery of topics throughout the course Enhances understanding with in-depth rationales Develops test-taking skills Improves exam scores and prepares students for the NCLEX® 	<ul style="list-style-type: none"> Monitors, tracks and assesses mastery of content with real-time information Identifies areas in which students are struggling for intervention in class and on assignments



of students surveyed said Davis Advantage helped them make the connections to key topics



of instructors surveyed said that Davis Advantage is easy to use and implement



of students surveyed said that Davis Advantage has improved their scores

Interested in learning more?

To receive review access or a personal walkthrough of Davis Advantage, contact [Hello@FADavis.com](mailto>Hello@FADavis.com).

“Davis Advantage changed student outcomes for the better. Every single student who completed all of the modules by the relevant test date passed not only that test, but the entire course as well!”

—Jessica DelBove, PhD, Assistant Professor of Health Sciences at South University

SOURCES

¹McKenna, L. (2018, January 26). Why students are still spending so much for college textbooks. The Atlantic. Retrieved from <https://www.theatlantic.com/education/archive/2018/01/why-students-are-still-spending-so-much-for-college-textbooks/551639/>

²Walker, T. (2017, June 9). As more schools look to personalized learning, teaching may be about to change. NEA Today. Retrieved from <http://neatoday.org/2017/06/09/personalized-learning/>

³Office of Educational Technology. (2017, January 18). What is personalized learning? Retrieved from <https://medium.com/personalizing-the-learning-experience-insights/what-is-personalized-learning-bc874799b6f>

⁴Office of Educational Technology.

⁵Howton, R. (2017, August 16). Turn your classroom into a personalized learning environment. Retrieved from <https://www.iste.org/explore/articleDetail?articleid=416>

⁶Mandernach, B. J. (2009, June). Effect of instructor-personalized multimedia in the online classroom. The International Review of Research in Open and Distributed Learning, 10(3). Retrieved from <http://www.irrodl.org/index.php/irrodl/article/view/606/1263>

⁷Institute for Teaching and Learning Innovation. (n.d.). Pedagogical benefits. The University of Queensland, Australia. Retrieved from <http://www.uq.edu.au/teach/video-teach-learn/ped-benefits.html>

⁸Carmin, M. (2016, Spring). Drawn to learning: Whiteboard animation flips the classroom. Krannert Magazine. Retrieved from <http://www.krannert.purdue.edu/konline/2016s/features/Makadok-Newby.php>

⁹Franks, W. M. (2017). Animated characters as information messenger. Retrieved from <http://elearning.olemiss.edu/showcase/grant-showcase/w-mark-franks-lectures-with-animated-characters/>

¹⁰Weller, C. (2017, September 6). A study of 36,000 students just backed Bill Gates' favorite style of education. Business Insider. Retrieved from <http://www.businessinsider.com/study-backs-bill-gates-favorite-education-style-personalized-learning-2017-9>

¹¹Scholastic. (2010, December). Blackboard survey on 21st century learning. Retrieved from http://www.blackboard.com/resources/getdocs/b674b571-0374-44d0-95bb-0057b3188746_blackboard-survey-21st-century-learning.pdf

¹²Survey of Davis Advantage users conducted during the summer of 2019



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