

ALEKS Overview

ALEKS® (**A**ssessment and **L**earning in **K**nowledge **S**paces) is a research-based, artificially-intelligent learning and assessment program that provides a completely personalized, student-centric learning experience and 24/7 access to:

- Individualized learning paths, continuously customized by ALEKS’s artificial intelligence, which knows, at each moment, the exact topics a student has mastered, not mastered, and, most importantly, is ready to learn;
- Precise and reliable diagnostic and progress monitoring assessments;
- Targeted, individualized, self-paced instruction that fills students’ knowledge gaps;
- Algorithmically-generated open-response questions requiring authentic input;
- Immediate feedback and detailed explanations of problems;
- Pedagogically-sound, rigorous content aligned to state and Common Core standards;
- Fully bilingual content and interface in both English and Spanish;
- Learning support features, such as reviews of material and a dictionary of terms;
- ALEKS QuickTables to support and improve basic math fact fluency and mastery.

UNIQUE ARTIFICIAL INTELLIGENCE AND READY TO LEARN. The artificial intelligence engine in ALEKS provides differentiated and individualized instruction, so students have a high degree of success with ALEKS despite wide and varying gaps in knowledge. The ALEKS AI determines what the student has mastered, not mastered, and is ready to learn. ALEKS presents a personalized learning path that adapts to each student’s individual educational needs, accelerating a student’s learning momentum and making learning more efficient and effective. **No other company provides an educational product that delivers instruction on the topics that the student is precisely ready to learn.**

RESEARCH-BASED AND PROVEN. ALEKS technologies are derived from research in Knowledge Space Theory. The research behind ALEKS is discussed in “The Assessment of Knowledge in Theory and in Practice,” available at http://www.aleks.com/about_aleks/research_behind. Since 1999, ALEKS has been used successfully by millions of students in the US and abroad from the third grade through higher education in mathematics, science, and business.

REAL-TIME TRANSPARENCY OF THE LEARNING PROCESS. ALEKS makes a plethora of detailed information available in real time for educators at every level, including progress reports, diagnostic analyses of individual students and groups, and other student performance and learning management information. Individual learners may view reports of their own progress at all times. Progress can be evaluated relative to curriculum, selected standards, and the Common Core State Standards.

CLOUD-COMPUTING PLATFORM, EASY ACCESS, LOW COSTS. ALEKS functions as a software as a service (SaaS) model, accessible from almost any PC or Mac computer with internet access to an ALEKS secure server hub. ALEKS does not rely on customer servers in any way in the delivery of ALEKS products. Upgrades are automatic and unobtrusive to the user. ALEKS is sold on a subscription basis, with prices for subscription lengths and products varying with different markets and with no minimum purchases or additional fees. A subscription gives a student access to a large course library.