



Adaptive Technologies

ALEKS CONNECT

(w/ SmartBook & Adaptive Learning)

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ALEKS = Proven Success

Promote equity

Columbus State CC: Closed 12 pt. achievement gap between white and African American students in College Algebra co-requisite course (compared to traditional offering)

Save students money

**Students save money by not having to retake courses*

ASU: Students saved total of \$1M in tuition with more students passing College Algebra in their first semester

Improve pass & retention rates

Clemson: 70% pass rate in Pre-Calculus) & 80% retention in Calculus

Spellman: 7% pt. gain in success rate for Intermediate Algebra & 20% pt. in Precalculus

Help students place higher

UNLV: 70% of bridge students able to skip 1 level

With just 1 week of review using ALEKS PPL in bridge program, 30% of students place higher (on avg.)

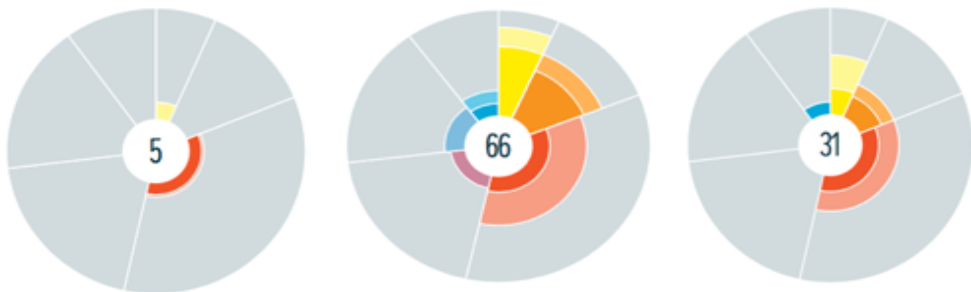


How does ALEKS promote equity?

Everyone starts at a different place – students have varied levels of preparation

ALEKS provides the opportunity to:

- Begin at a unique starting line
- Arrive at the *same* finish line



An Equitable Start

CONNECT

SmartBook

- Adaptive reading experience
- **Grounded in learning science**
- Students receive unique remediation
- Reports help guide teaching strategies

Adaptive Learning Assignment

- Adaptive & immersive learning experience
- Grounded in same foundation & technology
- Resources include audio, video & interactives



20%

increase in
student retention



72%

less time spent
on admin tasks



13%

increased pass
rates



15%

more
A's & B's

Applying Learning Science



Deliberate Practice

Analyzes baseline knowledge & determines next most appropriate question to deliver

Spacing, Interleaving & Chunking

Transitions knowledge from short-term to long-term memory

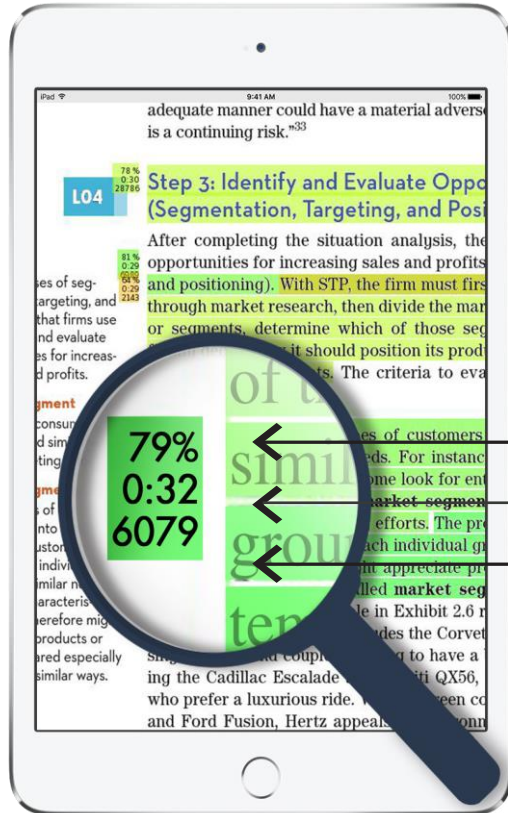
Metacognitive Theory

Determines what students really know as opposed to what they think they know

Effortful Retrieval

Motivates while reducing random guessing

Reporting



- Anonymous data analyzed
- Patterns identified in reading/resources
 - What is most effective? least?
- Content revisions

% correct answers

Avg. response time

of students

Our Philosophy

Mc
Graw
Hill



Choice of Affordable & Effective Products
Supporting Academic Integrity
Delivering Better Outcomes for All Learners

& **Backed by Stellar
Support**