CogBooks
Adaptive Learning
Today’s Presenters

- Ron Tavernier, Asst. Professor at SUNY, Canton
- Susan Holechek, Instructor Arizona State University
- Nic Rebne, CogBooks COO
90% of institutions engaged in some form of emergency distance/virtual education to conduct or complete the spring term.

76% reported that they had to move some of their courses online to complete the term.

56% said they had used "new teaching methods" in transitioning their courses to remote delivery.

60% of U.S. Higher Education institutions plan to re-open campus this fall.

Continuity in teaching and learning during a time of uncertainty has never been more important.

Source: Bay View Analytics (formerly the Babson Survey Research Group), The Chronicle of Higher Education (May/ June 2020)
We heard from our customers that having course materials already online made their transition much, much easier.
"At all times, our single aim is to help instructors achieve the same level of engagement and effectiveness of in-person teaching in an online setting."
Agenda
*please add your own questions in the chat

- What’s it like to teach with adaptive courseware?
- What will I give up or gain?
- How is CogBooks different?
- LIVE DEMO
- What will my students think?
- Is it possible to customize adaptive courseware?
- Your questions!
What's it like to teach with adaptive courseware?

In-depth look at how students are learning

Helps prioritize material and bring focus to the “muddiest” points

NOTE: Delivering course materials online isn’t just for courses taught online
What am I giving up, or, what will I gain if I use adaptive courseware?

- Insight
- Students master concepts at their own pace
- Time - Frees time to design activities that enhance learning
- Results – Better engagement leads to better outcomes
A **fully-integrated**, complete course solution that has been **purposely built** to deliver **personalized learning** for students and **meaningful insights** for instructors.

**How is CogBooks different?**

1:1 for every learner
What do you know?
What do you not know?
How can we help?
How is CogBooks different?

Comprehensive course solution

Supplemental (add-on)

Adaptive characteristics

Autonomous

Instructor led

Agency characteristics

Other differentiators

- Content source
- Affordability
- Systems
- Collaboration

Adaptive instruction guided by activities, assessment & agency
LIVE DEMO

Student User Experience
Deliver personalized learning on a massive scale

Rediscover the art of teaching and do more of what you do best

Applying sound scientific methods makes your course effective and your students succeed

Develop or customize for your own courses and programs
Adaptivity in CogBooks
Traditional online learning is rigid, linear and inflexible
It can't help students when they get stuck
CogBooks provides personalized resolution of problems in real time.
Personalized Support: Content in CogBooks forms an interconnected network that includes prerequisite learning material.

All students need to go from point A to point Z, but each student may take a unique path to get there.
Each individual’s path is adapted to their needs

The learner’s profile and their reaction to the activity determine which paths are offered.
1. Instructor assigns activities

2. Student completes activities and CogBooks automatically assesses

3. Recommended remediation based on assessment performance and confidence

4. Agency: Student selects from suggestions

The flow.
What will my students think?

“CogBooks completely changed the way I absorbed the information.”

“For once I didn't feel dumb in class.”

“A great way to learn and take online classes.”
Is it possible to customize adaptive courseware?
Affordable Courseware, Ready to Adopt

Biology
• Anatomy & Physiology
• Non-majors Biology
• General Biology for Majors
• Cellular Biology
• Genetics

Physics
• College Physics (Algebra-based)
• University Physics (Calculus-based)

History
• U.S. History

Psychology
• Introduction to Psychology

Philosophy
• Introduction to Logic

*Easy integration with any LMS (i.e. Blackboard, Canvas, D2L, etc)
*We can partner with you to create new courseware in any subject area.

$39.95
*OER Plus
Next?

Email us at hello@cogbooks.com for a 1:1 demo
Visit www.cogbooks.com to request an account and experience CogBooks yourself
You can reach me directly at nicholasrebne@cogbooks.com
Other stuff
What is adaptive courseware?

- **Adaptive Learning Technology**: Application of mathematics and data science for the purpose of personalizing learning.
- **Instruction, Activities & Assessment**: “Online textbook” plus, plus, PLUS to support personalize learning capabilities.
- **User Interface & Experience**: Effective delivery and measurement of effective personalized learning.

"Online textbook" plus, plus, PLUS to support personalize learning capabilities.
What are some best practices for pedagogically sound adaptive course design?

- Tie all content back to learning objectives
- Ensure there is enough supporting and remediation content
- Leverage diverse content types and interactives to drive engagement & reinforce comprehension
- Consider LMS architecture to support adaptive course
Insights, Analytics & Systems Integration
Instructor Experience
CogBooks Reporting Framework

- Report Grades
- Identify learners at risk
- Make informed decisions
CogBooks Instructor Dashboard

- Set up Automated Grade Pass Back to your LMS
- View Student Progress and Comprehension
- Identify Trends and Make Interventions

Open this class in one of these instructor tools:

- **Module report**: See the progress learners are making in this course.
- **Assessment report**: The learners' performance in the assessments.
- **Progress report**: See the progress learners are making in this course.
- **Messaging tool**: Participate in and moderate learners' conversations.
- **Gradebook settings**: Configure the gradable items to view in the LMS GradeBook.
- **Learner & Instructor Management**: Manage access to this class.
Configure Grade Passback to your LMS

CogBooks Instructor Dashboard: Grading

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- **Progress report**: See the progress learners are making in this course.
- **Messaging tool**: Participate in and moderate learners' conversations.

**Gradebook settings**: Configure the gradable items to view in the LMS GradeBook.

**Learner & Instructor Management**: Manage access to this class.
Define how and when grades are passed to your LMS by either progress, completion or performance.
View Student Progress, Performance and Learning Analytics

Student Performance Reports

Open this class in one of these instructor tools:

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- **Assessment report**: The learners’ performance in the assessments.
- **Progress report**: See the progress learners are making in this course.
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Class Digests

Provide a Quick Snap Shot for Instructors to understand trends and activity to easily identify concepts that may require further explanation and review at the beginning of lecture, online, etc.
Class Digests

CogBooks

Your course digest for HIST - 12 - 26041
Course: History of the United States to 1865
Week 6 - 7: Feb 10 to Feb 23, 2017

Summary

<table>
<thead>
<tr>
<th>Total students enrolled</th>
<th>Total students who have started the course</th>
<th>Average time spent on the course per user (hours)</th>
<th>Percentage of the course completed by the class</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>42</td>
<td>6</td>
<td>41</td>
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Usage Trend Summary
Usage information by no. of views

View when and how much students are engaging
What concepts are students struggling with the most based on self selection and performance on assessments?

**Assessment Snapshot**

**Week 8 - 9**

*Top assessments where your class was unsuccessful by total no. of failed attempts*

- **Question: Benefits of Living in a Social Group**
- **Question: Most Extensive Forest Type**
- **Question: Action Potential Mechanisms**

*Top assessments where your class was unsuccessful in their FIRST attempt*

- **Question: Benefits of Living in a Social Group**
- **Question: Most Extensive Forest Type**
- **Question: Action Potential Mechanisms**
Class Collaboration Tools

Set up discussions, polls, and Q&As for peer engagement and collaboration with any content page in your course.