K-12 PERSONALIZED LEARNING AND THE POWER OF ADAPTIVE INSTRUCTION

PRESENTER:  TOM VANDER ARK, GETTING SMART
MODERATOR: DR. TIM HUDSON, DREAMBOX LEARNING
TODAY’S WEBINAR

What is?

- Blended Learning
- Personalization
- Competency-Based Learning
- Adaptive Learning
- The Power of Intelligent Adaptive Learning™?

Audience Q&A
BLENDED LEARNING

Christensen: Students learn at least in part through online delivery of content and instruction with some element of control over time, place, path, and/or pace.

Getting Smart: A shift to an online delivery for a portion of the day to make students, teachers and schools more productive.
10 REASONS I’M EXCITED ABOUT BLENDED LEARNING
1. PERSONALIZATION

School of One, NYC (NewClassrooms.org)
2. ENGAGEMENT

Student using DreamBox
3. ADAPTIVE LEARNING

Students using DreamBox – each at their own level
4. EMPOWERS GREAT TEACHING

Class rotation in 9th grade science  Houston Apollo Schools
5. INDIVIDUAL PATH & PACE

Buzz platform; Level 13 ELA at Nolan
6. COMPETENCY-BASED LEARNING

Summit is tracking 4 sets of readiness metrics
7. FLEXIBILITY

High schools that look...

more like this than this
8. DISTRIBUTED SPECIALISTS

Speech therapy at Rocky Mountain

Online tutors at School of One
New models suggest promise for learning professionals
10. DYNAMIC MODELS

3 blended models at Cornerstone, Detroit

2 blended models at Rocketship
Blended Trends

Options:
- Rotation: lab & classroom
- Flex: online content & individual progress
- Self Blend: online options
Blended Trends

Rocketship Example:
- San Jose network
- Fewer teachers allows reinvestment in teacher salaries, coaching, & growth

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<th>LAB ROTATION MODEL</th>
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PERSONALIZATION

Instruction that is paced to learning needs (i.e., individualized), tailored to learning preferences (i.e., differentiated), and tailored to the specific interests of different learners.

- Student centered
- High expectations
- Self-pacing & mastery-based credit
- Blended instruction
- Student ownership
COMPETENCY-BASED LEARNING

Show what you know!

A system in which students advance upon mastery, as determined by assessing a set of explicit, measurable competencies over time.
ADAPTIVE LEARNING

Uses the computer/tablet as an interactive device to engage students with educational material according to student learning needs.
Instruction that is paced to learning needs (i.e., individualized), tailored to learning preferences (i.e., differentiated), and tailored to the specific interests of different learners.
THANK YOU!

Continue the conversation:
GettingSmart.com
@Getting_Smart
@Tvanderark
WHAT WE DO: REINVENT THE LEARNING EXPERIENCE

Rigorous Elementary Mathematics

• Aligned to Common Core State Standards, Texas TEKS, Virginia SOL, Canada WNCP, & Canada Ontario Curriculum Reports
• Standards for Mathematical Practice

Intelligent Adaptive Learning™ Engine

• Millions of personalized learning paths
• Tailored to a student’s unique needs

Motivating Learning Environment

• Student Directed, Empowering
• Gaming Fundamentals, Rewards
DREAMBOX LEARNING MATH

- Over 1,200 rigorous PreK – 5 adaptive lessons
- Two age-appropriate learning environments
- Current reporting for administrators, teachers and parents
- Designed to support the CCSS and Standards for Mathematical Practices, Texas TEKS, Virginia SOL, Canada WNCP, & Canada Ontario Curriculum
- 24/7 access from school or home
- Supporting schools and districts in all 50 states and internationally
- Annual student or site subscription
FLEXIBLE IMPLEMENTATION MODELS

Visit schoolhelp.dreambox.com for implementation best practices and support.
DREAMBOX SUPPORTS SMALL GROUP AND WHOLE CLASS INSTRUCTIONAL RESOURCES

- Interactive white-board teacher lessons
  www.dreambox.com/teachertools
- Tutorials for virtual manipulatives
- Concept video introductions
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