Adaptive Learning
Market Acceleration Program
RFP Q&A Webinar

Session for Institutions
March 29th, 2013

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Webinar Agenda

- Adaptive Learning Market Acceleration Program RFP Overview
- Question and Answer

*Note:* This webinar is being recorded and a link to the recording will be posted to the RFP page.
Can the Personalized Learning Loop Defeat the Iron Triangle?

The Iron Triangle

(see http://www.publicagenda.org/pages/the-iron-triangle)

The Personalized Learning Loop
Benefits of Personalized & Adaptive Learning

We believe that well implemented personalized & adaptive learning has the potential to dramatically improve student outcomes.

Potential Pedagogical Benefits*

- Formative Evaluation (d=.90)
- Acceleration (.88)
- Effective Feedback (.73)
- Meta-cognition (.69)
- Mastery Based Learning (.58)
- Concept Mapping (.57)
- Interactive content (.52)

*Source: John Hattie’s *Visible Learning*

800+ meta analysis on achievement

Standard deviation is effect size where d = 1.0
(i.e. improvement of learning by at least 50%)

Average effect size d=.40

When d is > .40 excellent achievement gains
An Emerging Evidence Base:

- **Research on mastery based learning and digital tutors** – Bloom’s 2 sigma findings (B. Bloom, 1984); recent research that argues intelligent tutors are now nearly as effective as 1:1 human tutors (K. Van Lehn, 2011).

- **Randomized controlled study by ITHAKA** conducted with six public universities w/ statistically reliable control and treatment groups, found no difference in learning between the blended and face to face groups, with OLI students completing approximately 25% faster.

- **Previous research by CMU** of CMU students documented that students achieved the same or better learning outcomes on an independent third party assessment while completing the course 50% faster.

- **Knewton / ASU partnership** on re-designed emporium and mastery based math courses – pass rates increased by 18% and withdrawals dropped by more than 47% -- reducing drops to ~240 and saving ASU an estimated $12,000,000 in lost tuition.

- **Cal State Northridge (Next Generation Learning Challenges Wave 1 winner)** - a 67% increase in Math 103 pass rates (from 45% to 75%).
The Adaptive Learning Market

• The adaptive learning market in post secondary education is diverse, yet embryonic.

• Only the most innovative institutions are experimenting with these solutions privately.

• Barring additional high-profile implementations and vibrant public-private partnerships, it may take many more years for additional academic institutions work with sophisticated adaptive tools and platforms to advance and refine these solutions

How do we accelerate the market to reach here?
Accelerating Market: Change Drivers

Our strategy to accelerate the adoption of Adaptive Learning in higher education is to invest in *market change drivers*...

**Market Change Drivers**
- Exemplar Implementations
- Research and Outcomes Analysis
- A Learning Community
- Communications Support
- Implementation Case Studies
- Program Management Support

...resulting in strong, healthy market growth
Adaptive Learning Market Accelerator Program

Program Facts

- 10 ‘exemplar implementations’ of adaptive courses to be selected
- Implementations require generally available adaptive learning solutions
- Use of ‘lightweight’ research methodology to be employed to measure and understand student outcomes
- Cost, savings and other qualitative data to be captured and reported
- Course delivered for 3 consecutive semesters with > 500 total students.
- Gateway courses & large Pell grant recipient populations preferred.
- Program duration 24 months

Completed proposals due Tuesday, April 30 at 3:00 PM PT
Adaptive Learning Market Accelerator Program

Foundation Funding

- $100K implementation cost offset grant per implementation
- Foundation-funded program & project management to track and drive on-time readiness
- Foundation-funded research partner to provide oversee data collection & analysis
- Foundation-funded partner to draft detailed implementation case studies for broader dissemination
- Foundation-funded campaign to share key findings and learning

Completed proposals due *Tuesday, April 30 at 3:00 PM PT*
Question & Answer

- Please submit your questions via webex chat

- Questions and answers will be transcribed and posted to the FAQ on the RFP site

- This webinar is being recorded and a link to the recording will be posted to the RFP page.
Thank you for your interest.

- See the FAQ located on the RFP description page

- The questions and answers from this meeting will be posted on the RFP description page

- Please email additional questions to adaptive.learning@gatesfoundation.org