The Role of Assessment In Personalized Learning
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Guest Speakers

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K-12 Product Strategy
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According to the U.S. Department of Education:

**Personalized learning puts “students at the center and empowers them to take control of their own learning by providing flexibility on several dimensions.”**

*Source: National Education Technology Plan issued in 2010*
Personalized learning is an essential strategy in today’s education landscape.
According to an Education Week Market Brief survey:

Source: Education Week Market Brief Survey
POLL #1

Currently, to what extent are you doing personalized learning in your classroom?

- My entire curriculum is personalized.
- I’ve tried to do it in a few lessons or one subject.
- I’ve personalized some in-class activities and/or homework.
- I have not attempted any type of personalized learning yet.
WHY PERSONALIZED LEARNING?
It’s a Personalized World!
ESSA and Personalized Learning

➔ 39 state ESSA plans reference personalized learning

*Source: KnowledgeWorks Report: Personalized Learning and the Every Student Succeeds Act*
195

Influences and effect sizes related to student achievement

Learning from Hattie’s Research

“As an educator, you can do more to maximize student learning over a nine-month period by focusing on activities in John Hattie’s ‘zone of desired effects.’”
John Hattie’s
Zone of Desired Effects

THE ZONE OF DESIRED EFFECTS

- SELF-REPORTED GRADES
- RESPONSE TO INTERVENTION
- PROVIDING FORMATIVE EVALUATION
- RECIPROCAL TEACHING
- ACCELERATION
- MASTERY LEARNING

WHERE MOST TEACHERS "LIVE"

- TIME ON TASK
- HOMEWORK
- CLASS SIZE
- LEARNING STYLES
- TEACHER EDUCATION

*Source: 2011 Hattie Ranking - Interactive Visualization
POLL #2
What strategies are you using to personalize learning in your classroom?

- Project-based learning
- Personal learning plans
- Frequent formative assessment
- RTI
- Mastery Learning
- Acceleration
- Other
- Nothing yet; I’m still exploring.
The role of ASSESSMENT
Fitting the Pieces Together

LEADERSHIP
Setting the vision

ASSESSMENT
Understanding learning progress

LEARNING

TEACHING
Putting vision into practice

resources
accessibility
connectivity
devices

*Source: NETP 2017*
Ways to Use Assessment to PL

1. Choose systems that support differentiation
Ways to Use Assessment to PL

2. Increase frequency of formative assessments
Ways to Use Assessment to PL

3 Customize learning paths based on student performance
Personalized Learning in Action

➔ Using assessment as a **benchmarking tool**
➔ Analyzing student performance to create **personalized learning paths**
➔ Leveraging strategies to provide timely, relevant, individualized **feedback**
JOE MONASTERO
Executive Director of Instructional & Administrative Technology
COLD SPRINGS HARBOR SCHOOL DISTRICT
Cold Springs Harbor, NY
Tech allows teachers to quickly assess student knowledge and tailor instruction to address individual needs.

- Clear rubrics
- Set expectations
- Freedom to express
- Continuous improvement
- First Attempt In Learning (FAIL)
- Learn from classmates
- Rotate assignment
- Peer review
- Ownership

Transparency $\rightarrow$ Accountability
Various Assessment Tools

- Quick, informal - polling, at-home assessment
- Use of staff created and 3rd party tools to inform staff
- Google forms
- Nearpod
- Canvas
- Achieve 3000
Previous Courses As Reference

- Other teachers leveraging the data from other course as another data point and/or reference point

- Teacher Team Talk
  Time = T^4
Provide Space, Time, and Resources to **CREATE**
LINDSAY HENRY
Educational Technology Specialist

MORRIS SCHOOL DISTRICT
Morristown, NJ
Designing for Personalization

- **Modules** to organize the unit
- **Playlist model**: students’ select the resources from which they want to learn
- **Prerequisites** to ensure scaffolded learning
Custom Learning Paths

- MasteryPaths to set students in the right direction
- Includes options, such as:
  - independent activities
  - group activities
  - small group lessons with teacher (“mini-lesson”)
Making Personal “Personal”

- Technology enhances personal, face-to-face learning
- Mini-lessons tiered based on students’ needs/level

Small group lesson to review steps for document analysis based on mastery path quiz
COLLEEN HAAG
Teacher and Tech Coach
CENTRAL BUCKS SCHOOL DISTRICT
Doylestown, PA
Outcome-Based Assessments

- Pre- and Post-Assessments
- Assessments linked to outcomes
Learning Mastery Gradebook

- Feedback and to track progress
Office 365 Integration

- Office 365 to assign to students secretly
- Organizes documents into folders
Differentiation for Enrichment

CK-12

● Open Educational Resource **FREE**
● Pre-made assignments that Canvas grades
● Challenge students with simulations
● Customize Flex Books
Leverage TECHNOLOGY to personalize learning.
94% of students say digital learning technology helps them retain new concepts.

Source: 2017 Digital Study Trends Survey
mheducation.com/studytrends
Over 60% of students say digital learning technology has improved their grades.

Source: 2017 Digital Study Trends Survey
mnheducation.com/studytrends
74% of Teachers Say

“Educational Technology is a Student-Motivator”

More than two-thirds of teachers want more classroom technology

And up to 75% of teachers in low-income schools

Benefits of Educational Technology

- 74% Reinforce and expand content
- 74% Motivate students to learn
- 73% Respond to a variety of learning
- 69% “Do much more than ever before” for my students
- 65% Demonstrate something I can’t show in any other way
POLL #3

What challenges do you feel you need to overcome to more successfully use technology in your personalized learning efforts?

- ◐ Access to technology and devices
- ◐ Better knowledge to leverage what we have in place
- ◐ The systems we use don’t allow for personalization at scale
- ◐ Time investment
- ◐ Other
- ◐ Nothing! I feel good about where we are on personalized learning and technology at my school/district.
“Technology will never replace great teachers, but technology in the hands of a great teacher can be transformational.”

-George Couros
In Summary...

- Personalized learning is an essential strategy in today’s education landscape.

- *Frequent, formative assessment* is critical to effectively personalize learning.

- Use assessment to benchmark, to *create personalized learning paths*, to differentiate, and to provide targeted feedback.

- *Technology can help* and students love technology

- *Leverage systems* that support differentiation and personalization.