#### Mc Graw Hill Education

#### Lead with Learning Placing Students at the Heart of the Matter

Because learning changes everything.<sup>™</sup>





## Dr. Shawn Mahoney

Chief Academic Officer School Group Twitter: @MahoneySM



# Dr. Shanika Hope

Vice President

National Urban Markets





# Transform the ordinary into the extraordinary

@Catlin\_Tucker 10.29.15

Because learning changes everything.™



We believe that our contribution to unlocking our collectively brighter future lies with the application of our deep understanding of *how learning happens* and *how the mind develops*.

It exists where the science of learning meets the art of teaching.



## How do we empower student to find information, get excited about learning, and own that moment?

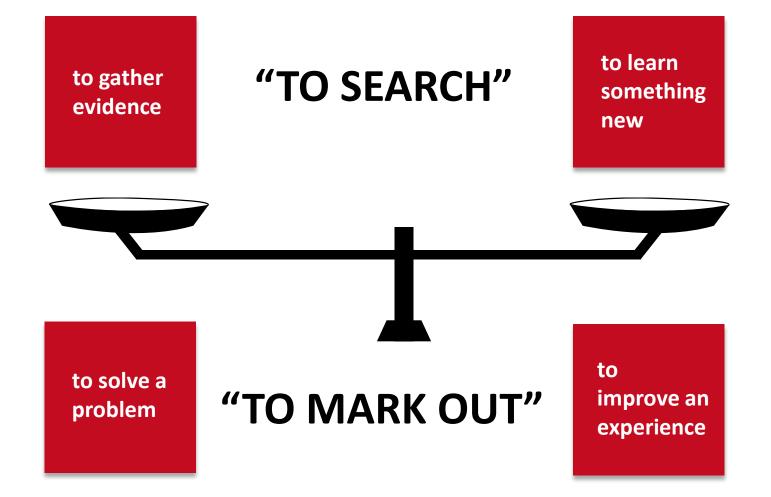
@Catlin\_Tucker 10.29.15



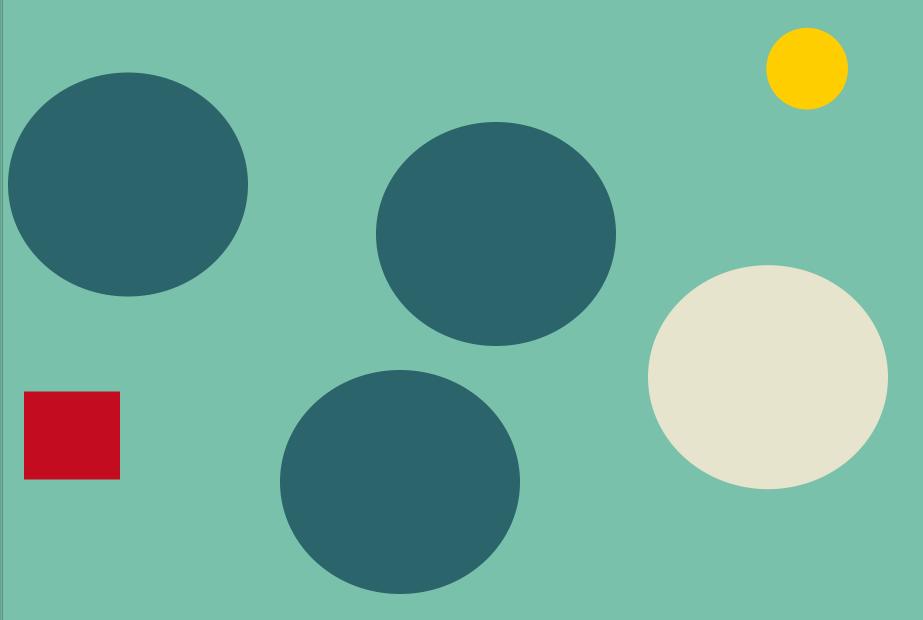
## What is the purpose of research?



#### **Introduction: Definition**



### The Structure of Scientific Revolutions

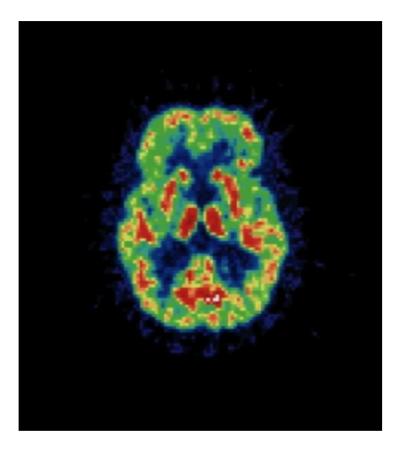


# The nature of **LEARNING** is changing. changes everything



Computers have always come with a CD-ROM.

## What we know about **LEARNING** is changing.



#### Neuroscience

The Brain as a Jungle

The brain is an everchanging part of the human body



### Intelligence is not fixed at birth.

**Experiences wire our brain.** 

Our job is to design solutions that provide rich learning experiences.



#### Substitution

Tech acts as a direct tool substitute, with no functional change

# A

#### Augmentation

Tech acts as a direct tool substitute, with functional improvement

#### Modification

Tech allows significant task redesign R

#### Redefinition

Tech allows for the creation of new tasks, previously inconceivable

Because learning changes everything.™

#### Mc Graw Hill Education

#### Equity in the Classroom Leveling the Playing Field through Personalization

Because learning changes everything.™

# What does EQUITY mean in the classroom?

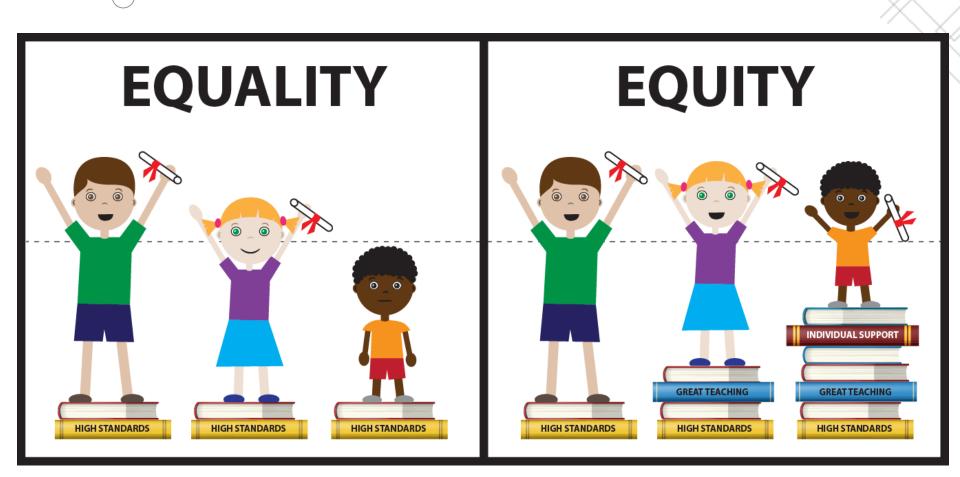




# Johnathan

# Why not Johnathan?





# EQUALITY ≢ EQUITY



# High expectations, quality instruction and personalized supports is Equity.

#### Mc Graw Hill Education

## PERSONALIZATION



# Personalization

# What comes to mind?



## Personalization

Autonit

100900 Hillings Colla dian

STEL



**Student Engagement and Co-Design through Choice** 

> Student-Centered Learning

**Multiple Delivery Methods & Modalities** 

Because learning changes everything.™

Who makes the decisions?

How are the decisions made?



# Personalization is a simple elegant blending of learner, teacher, and technology informed learning ecosystem.

Because learning changes everything.™



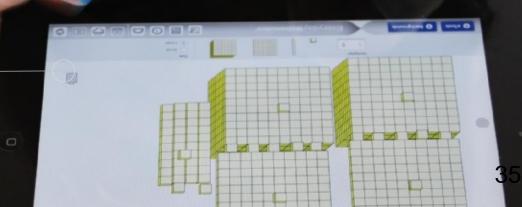
# Personalization Power Players

## Problem/Project Based Learning

Newsome Park Elementary (Newport News, VA)

#### Mc Graw Hill Education

#### Personalized Learning Plans Minnesota New Country School (Henderson, MN)



### Mc Graw Hill Education

### Advisory Metropolitan Arts & Tech High School (San Francisco, CA)

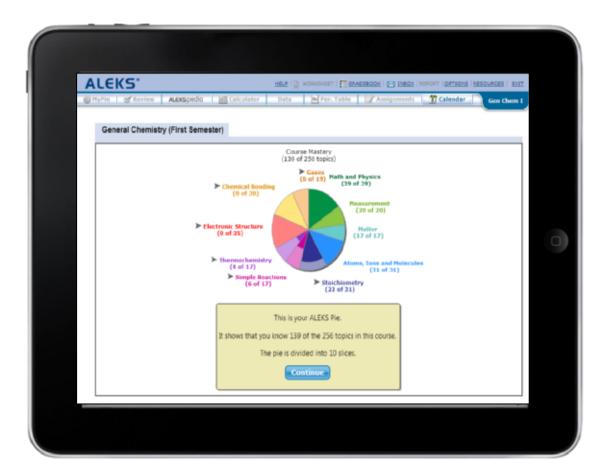


# How Technology Supports the Power Players...



## Path and Pace

• Systems that adapts to learner needs





## **Progress: Formative Assessments**

• Increasing the frequency of formative assessments





## Collaboration

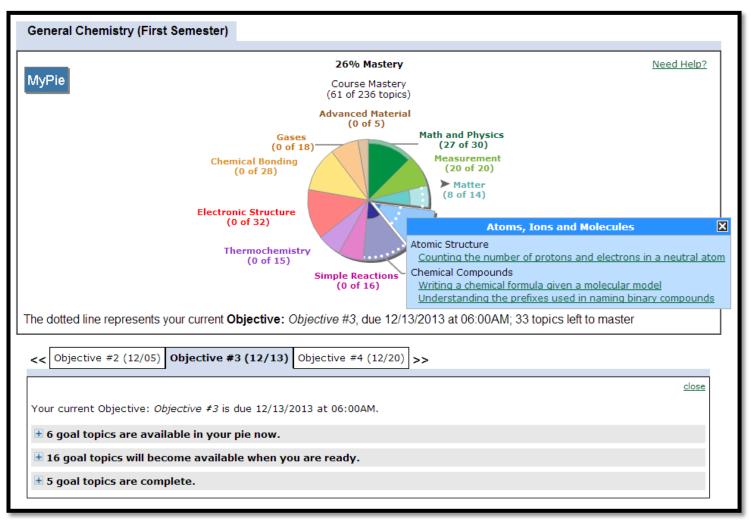
• Approaches that turn learners into collaborators and creators





## Just-In-Time Feedback for Students

• Near-real-time feedback to parents/students/teachers:





## Just-In-Time Feedback for Teachers

• Customizing instruction based on performance/preference

Students	Scores	Community	Person	al Progress											
Science for Dummies +															Resources
Search	۹ <b>x</b>				<u>.</u>	?		1	<u>\$1</u>	1	1	1		Select	
Unit	1	All Bore Unit 2	і ок	Interested Unit	All	Lost	ок Unit 4	Expert	All	Slacking Unit 5	ок	100%	Unit 6	All stud	
<b></b>														Add n Cancel	Done
		?													
													? <b>_</b> *		
	2												<u>'9</u> *		
												1			
			ł												
			•	<b></b>											

Because learning changes everything.™

# What does EQUITY mean in the classroom?



# We must teach the way students learn, rather than expecting them to learn the way we teach.

~ Pedro Noguera

Mc Graw Hill Education

## **Questions?**