

# Navigating Today's Classroom

Dr. Shana Garrett

Excellence in Online Learning  
Conference

Digital Generation: Learners in the 21st  
Century and Beyond

April 14, 2023







# Workshop outline

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- Connecting with Students
- Available Approaches
- Engaging Classrooms
- Alternative Grading Systems
- Incorporating Equity and Inclusion
- Faculty Activity

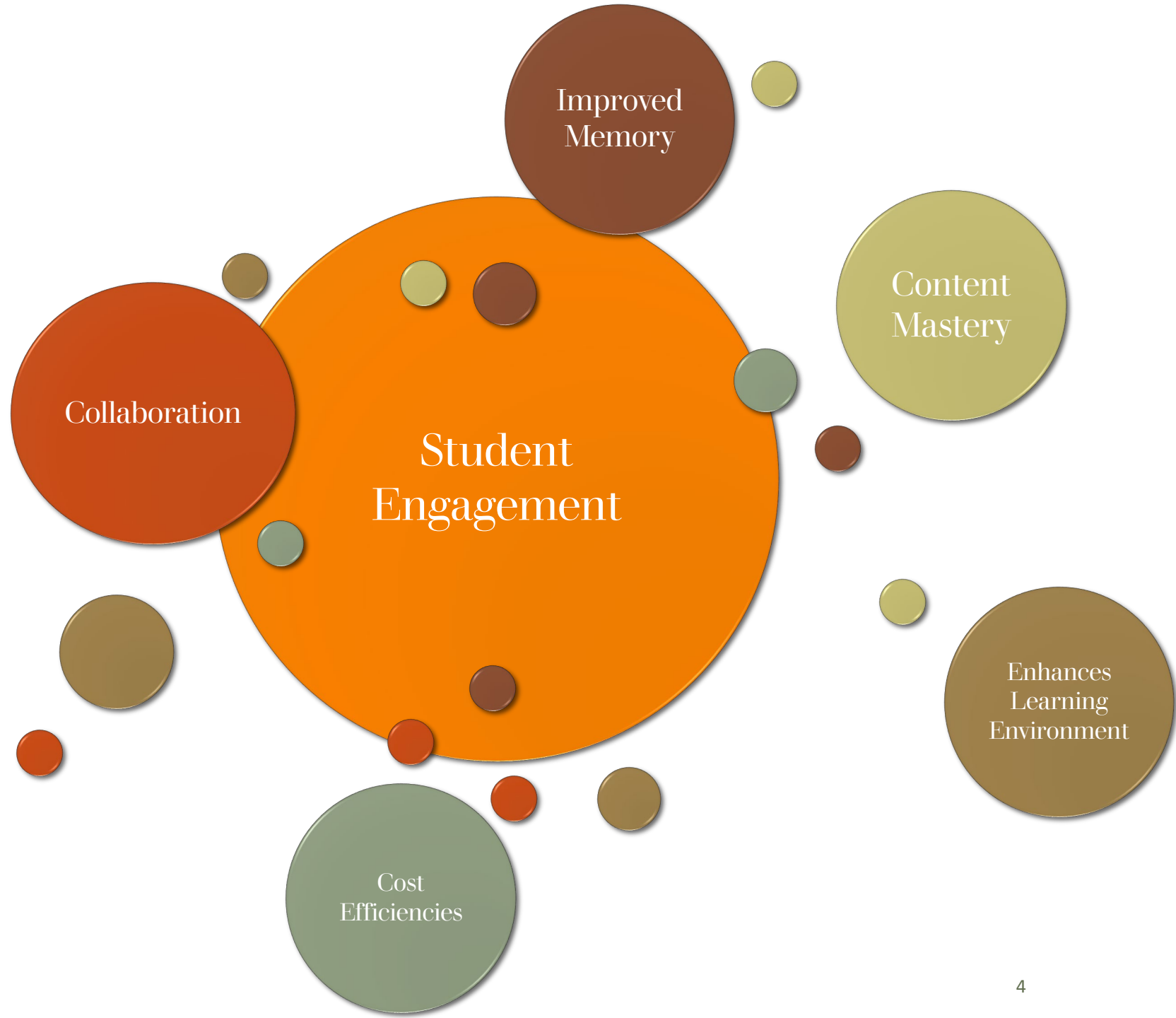


# Connecting Students with our content

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- Social Media
- Audio/Video Streaming
- Podcasts
- Videos
- eBooks

# Benefits of Technology





Teaching has shifted from instruction to facilitation....



In-Person



Virtual



Flipped Classrooms



Technology



AI/AR/VR



Microcredentials/Badges

# Advantages of Flipping

Promotes peer  
interaction and  
collaboration  
skills

Makes  
*learning*  
central,  
rather than  
*teaching*

Fosters  
independent  
learning

Encourages  
higher  
student  
engagement

Provides  
increased  
individualized  
attention

## Flipped Classroom Design

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Flipped Classroom examples:

- Discussion- Oriented
- Flip the Teacher
- Inverted Classrooms
- Peer Instruction



# Animation Software

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Adobe Animate

Canva

PowToon

Visme





## Take your course to next level.

Skillsetter is a differentiator for institutions wanting to most advanced and effective training resources for th  
Our patent-pending software removes the barriers to practice and replaces them with asynchronous remo  
that helps educators to achieve higher impact in beh  
development.

# Artificial Intelligence

### Advantages:

- 24 x 7 availability
- Digital Assistance
- Performs repetitive jobs

### Disadvantages:

- Cost
- Lack of Creativity
- No Ethics



# Adaptive Learning

Adaptive learning is a methodology for teaching and learning that strives to personalize lessons, readings, practice activities, and assessments for individual students based on their current skills and performance.



# AUGMENTED REALITY

AR is utilized to compliment current curricula and supplement interactivity.

Popular areas of AR can be found in:

- *Science, technology, engineering, and math*

*Could AR enhance these UTRGV programs:*

- *Ed Technology*
- *Health Services Technology (BAT)*
- *Engineering Management*
- *Science Education*
- *Special Education*

*Could AR enrich these UTRGV courses/programs:*

- *Psychiatric Mental Health Nurse Practitioner*
- *Medical Science*
- *Nursing Administration*
- *Physician Assistant Studies (MPAS)*

# Products

Human Anatomy Atlas 2021 — 3D models and simulations of male and female anatomy help students and healthcare professionals understand how the human body works.

Holo-Human — This AR app provides users with a collaborative environment to explore human anatomy models, including internal and 360-degree views. Teachers can also create lesson plans.

GeoGebra Augmented Reality — This tool supports science, technology, engineering, and mathematics (STEM) education through AR features that allow students to explore shapes and 3D functions, use critical thinking skills, and more.

Expeditions — With hundreds of AR tours, this versatile app enables teachers and students to create and explore interactive, virtual environments.

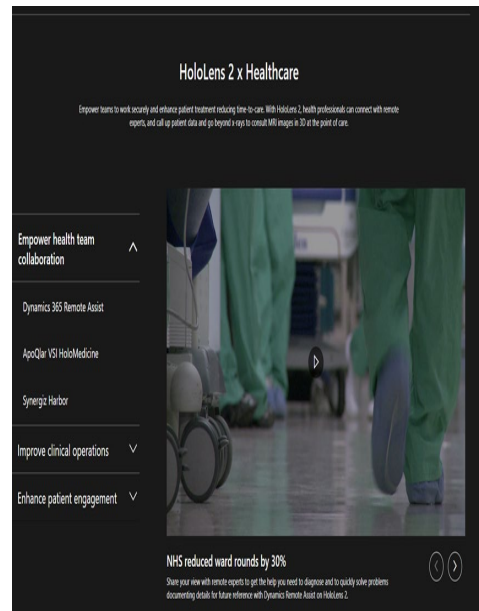
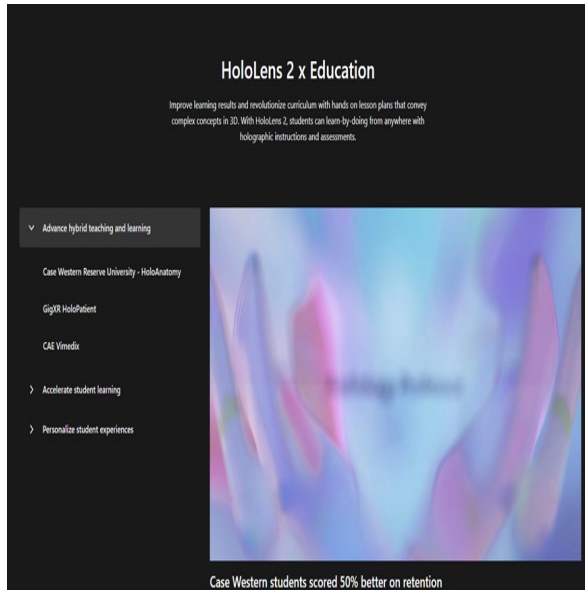
Touch Surgery — Doctors and surgeons can use this app to prepare for surgical cases and learn about different procedures.

4D Interactive Anatomy — Students can test their knowledge and faculty can create custom quizzes using this 4D interactive anatomy app.

Visible Body — For those with limited access to a lab, this app with AR dissection features allows students to see 3D models of the human anatomy in the real world.

3DBear — This app combines AR, VR, 360-degree photos, scanning, and 3D printing to enhance remote and in-person learning.


zSpace — This AR platform allows faculty to create immersive academic experiences and create content for a wide range of courses.





# Virtual Reality

- Virtual trips to remote locations which provides enriched student experiences
- Develop interactive simulations to enhance current curriculum
- Discover how different environments impact interactions

Mursion

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## Education Resources



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Mursion and University of Wyoming's WYTeach Scholarship Challenge Recognized as a World Changing Idea by Fast Company

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EDUCATION

Mixed Reality Simulations for Social-Emotional Learning

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EDUCATION

American Institutes for Research Experts Share Findings from Pilot of New SIM PD Study

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# Digital Badges



**Micro-credential:** A certification of mastered skills or competencies, earned through the completion of short and purposeful skills-based learning experiences.

**Digital Credential:** A digital equivalent of a paper-based credential, or a credential issued and hosted entirely digitally.

**Digital Badge:** A type of digital credential in the form of an image that represents and communicates the earner's achievement of learning, skills, and/or competencies.

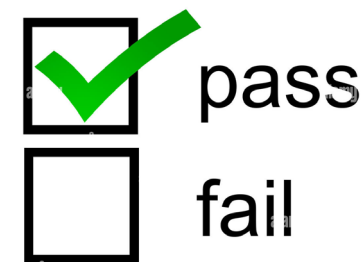


# Alternative Grading Systems

Methods to consider shift the learning focus and foster student development



Mastery-Based Education



Pass/Fail



Live Feedback



Self-Assessments



Digital Portfolios



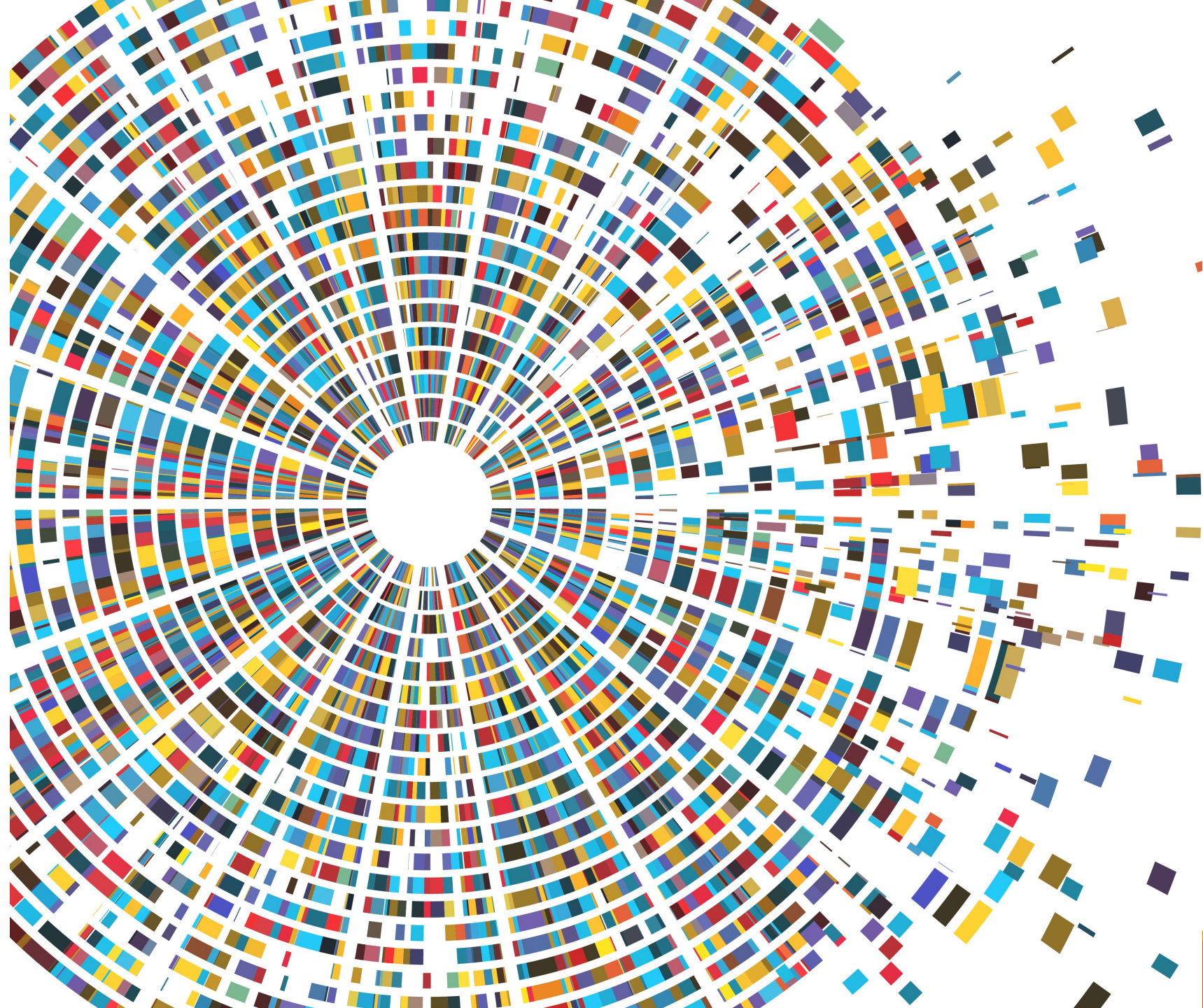
Gamification



# INCORPORATING EQUITY AND INCLUSION IN THE DESIGN

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- Use diverse and inclusive course content
- Use multimedia with text alternatives
- Use emotional intelligence
- Provide different ways to participate
- Allow accommodations
- Use practice tests
- Anonymous grading
- Provide students with resources







# Faculty Activity

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WHICH APPROACHES AND  
TECHNOLOGIES WOULD COMPLIMENT  
AND ENHANCE YOUR COURSE?

SELECT ONE COURSE AND LIST  
POSSIBLE APPROACHES/  
TECHNOLOGIES.

# Higher-education institutions have leveraged technology to improve aspects of the learning experience during the pandemic.

## Eight learning technologies that are enabling change

Data → Student engagement



**Group work:**  
Virtual collaboration and knowledge sharing



**Connectivity and community building:** Tools to engage with one another, instructors, course materials



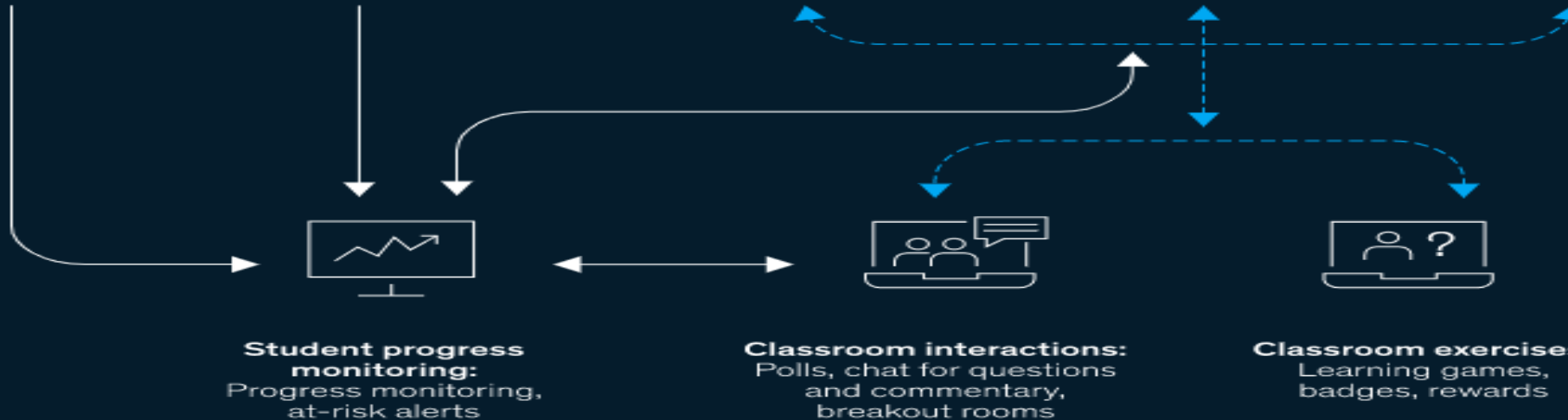
**Augmented reality/virtual reality:** Interactive simulations



**Machine learning-powered teaching assistants:** Apps or chatbots to answer questions and create tests



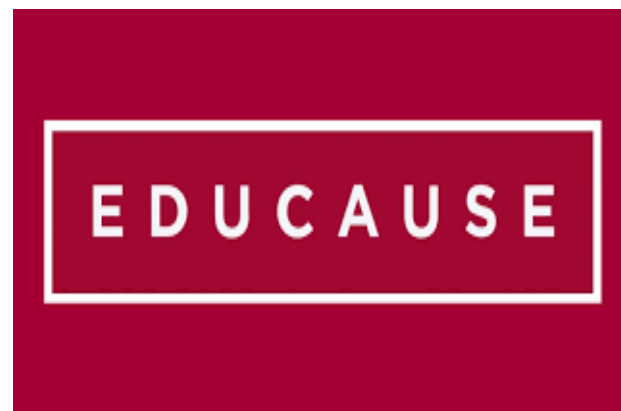
**AI adaptive course delivery:** Custom lessons based on student progress



McKinsey  
& Company

# MCKINSEY & COMPANY





GET CONNECTED

**EDUP EXPERIENCE Podcast**

David McCool  
President & CEO  
Muzzy Lane Software

Aug 10, 2022

**499: Simulation vs. Gaming - with David McCool, President & CEO of Mu...**

We welcome YOU back to America's leading higher education podcast, The EdUp Experience! It's YOUR time to #EdUp in this episode. YOUR guest is David McCool, President & CEO of Muzzy Lane Software. YOUR guest co-host is...

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**EDUP EXPERIENCE Podcast**

Katie Boody Adorno  
Founder & CEO  
FIERCE Education

Aug 10, 2022

**497: How Can EdTech Help Teachers - with Katie Boody Adorno, Founder...**

We welcome YOU back to America's leading higher education podcast, The EdUp Experience! It's YOUR time to #EdUp in this episode. YOUR guest is Katie Boody Adorno, Founder & CEO of Lovable Education. YOUR guest co-host is...

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**EDUP EXPERIENCE Podcast**

David Helene  
Founder & CEO  
EdEquity

Aug 03, 2022

**496: An Infrastructure Service - with David Helene, Founder & CEO at...**

We welcome YOU back to America's leading higher education podcast, The EdUp Experience! It's YOUR time to #EdUp in this episode. YOUR guest is David Helene, Founder & CEO at EdEquity. YOUR guest co-host is Geoffrey M...

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**EDUP EXPERIENCE Podcast**

Fernando Valenzuela  
Founding Partner  
Global Impact EdTech Alliance

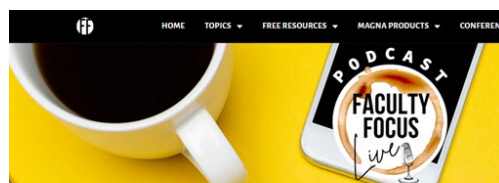
Aug 10, 2022

**491: The Multiversity - with Fernando Valenzuela, Founding Partner of...**

We welcome YOU back to America's leading higher education podcast, The EdUp Experience! It's YOUR time to #EdUp in this episode. YOUR guest is Fernando Valenzuela, Founding Partner of the Global Impact EdTech Alliance. YOUR...

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## CURRENT TRENDS



### The inspiration your classroom needs...

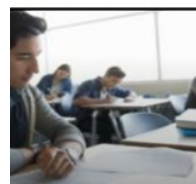
We're here to bring instructors and teachers inspiration, energy, and creative strategies that they can utilize in their everyday teaching. We hope the following tips, tricks, and pedagogy techniques give teachers and instructors an extra boost of creativity and motivation. These episodes are perfect for your drive to work or can be integrated as a 15-minute think session to get your wheels turning before stepping into the classroom or "zooming" onto the computer screen.



# FACULTY FOCUS

HIGHER ED TEACHING STRATEGIES FROM MAGNA PUBLICATIONS

## ial Assessment



### ce of Educational ools and Techniques for r Students

I assessment guide, we'll such as: What is the purpose of iment?What are the benefits of t are the main...

e 23, 2022



### Promoting Access to Diverse Learning Opportunities through Open Resources, Equity, and Accessibility

There is an inherent connection between equity, accessibility, and open educational resources (OER). OER have the potential to offer more equitable and accessible learning experiences...

[READ MORE >](#)

Andrea Bearman • February 3, 2022

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### Episode 53: Your Class is So Tough: Addressing Academic Rigor and a Growth Mindset



Have you ever had a student say, "Wow, this class is so hard!" or "These homework assignments are impossible?" Many students might even do their own research before taking your class, trying to determine what the workload might be or what the level of difficulty is. For this reason, it's important to understand how you can communicate your definition of academic rigor and ensure your goals are aligned with the expectations of your students.

In this episode, we'll go through the research on growth mindset. We'll cover how you can foster growth mindset in your own course to improve learning and how you can make connections with your students to emphasize the task at hand, and then, we'll cover specific strategies to inspire students to keep on trying even when it gets tough.

#### Recommended Resources:

- Magna Online Seminar: Aligning Student and Faculty Perceptions of Rigor
- Magna Online Seminar: Building a Tougher Student: Applying the Research on Intellectual Development
- 20 Minute Mentor: How Can I Manage the Disconnect Between Faculty and Student Perceptions of Rigor to Increase Learning?

Join us this year in New Orleans for the Teaching Professor Annual Conference from June 7 - 11. Give yourself something to look forward to at the end of your school year: a conference to network, learn, and reflect on why you got into teaching in the first place!

### Podcast: THE KEY with Inside Higher Ed



Hear candid conversations with higher ed newsmakers on how colleges and universities are coping with the pandemic and recession - with a special focus on equity and lower-income students.

This podcast is also available on Apple Podcasts, Google Play, Stitcher, and Spotify. Subscribe today and share this podcast with a colleague or friend!

THE KEY  
with Inside Higher Ed

NEW PODCAST

Conversations and insights with higher ed's newsmakers about the pandemic, recession, and more.

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Ep. 14: Higher Ed's Longtime Chief Lobbyist, Unplugged

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Ep. 13: In For Profit Higher Education on Its Last Legs?

Ep. 12: Looking Back at DNY U and Ahead: With Anya Kamenetz

Ep. 11: The Pros and Cons of Hybrid Instruction

Ep. 10: How Colleges Are Defining and Measuring Their Value

Ep. 09: How Federal and State Policies Judge Colleges' Value

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Something else on your mind? Please contact:

TEACHING

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Faculty Development for Professors

This is the space where we explore the art and science of teaching from the perspective of teaching practice. We also share ways to increase our personal productivity, so we can make more people in our lives and on our team more prepared for our students.

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WITH KERRY MANUEL

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WITH CHRISTINA MCCOY

EPISODE 419

Teaching at Its Best

WITH TERRY DANIELS

Alisa Crowder

# The University of Texas Rio Grande Valley<sup>TM</sup>

We all create an impact in our areas, and those impacts should build and support each other culminating into a dynamic, rich, and empowering experience.





thank  
you

## Let's Stay Connected!

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Dr. Shana Garrett

[shana@shanagarrett.com](mailto:shana@shanagarrett.com)

817-925-7766

Website: <https://shanagarrett.com/>

LinkedIn:  
<https://www.linkedin.com/in/shanagarrett/>

Instagram:  
<https://www.instagram.com/withapureheart/>

Twitter: <https://twitter.com/shanalgarrett>