

Innovative Technology for Online Classes

Tech in Teaching

What's next?

where are we going?

Adaptive Learning

Julie F. Hinkle PhD, RN, CNE
University of North Carolina
Wilmington

1.

Where are we going?

Objectives

2.

Where are we going?

What are we trying to achieve using technology in our online classes?

Workshop Objectives

Why...

3.

Objectives

- List various types of technologies used in nursing education
- Discuss ways technologies can be used to enhance teaching.
- Examine adaptive learning platforms in nursing education.
- Plan ways to effectively incorporate technology tools into teaching

4.

..we do what we do?

for reasons...

5.

Reasons to use technology

<input checked="" type="checkbox"/>	to deliver content to online!	<input type="checkbox"/>	to improve learning
<input type="checkbox"/>	to make content more interesting	<input type="checkbox"/>	to identify at risk students
<input type="checkbox"/>	to assess learning	<input type="checkbox"/>	what else?

6.

Innovative Technology for Online Classes

Tech in Teaching

What's next?

where are we going?

Adaptive Learning

Julie F. Hinkle PhD, RN, CNE
University of North Carolina
Wilmington

7.

Tech in Teaching

simple

not so simple

Ed tech resources

Newsletters, Blogs...

8.

Simple

What is out there that I can use tomorrow?

easy to use?

helps me with a simple objective?

free/low cost?

Links to Apps I

Links to Apps II

9.

Popplet: Digital mind map available on the web or in iTunes. Exports as an image or PDF. <http://popplet.com/>.

Goosechase: Scavenger hunt that tracks team progress in real time. <https://www.goosechase.com/>.

StoryboardThat: Create storyboards to tell a story or show a concept. Large library of characters and settings. <http://www.storyboardthat.com/>.

Knightlabs: Northwestern University Lab that builds tools to help people tell stories. <https://knightlab.northwestern.edu/>

Wizer: Worksheet creator without needing a printer. Create your own or use/edit a worksheet created by other users. <http://app.wizer.me/>.

Vizia: Make YouTube videos interactive with questions. Data/feedback goes to Google Drive spreadsheet. <https://vizia.co/>.

Plickers: In-person formative feedback on big concepts and key skills. No log-in. <https://plickers.com/>.

Socrative: another in-person formative feedback app. <https://socrative.com/>

10.

Screencast-o-matic: free screen recording for up to 15 minutes. <https://screencast-o-matic.com/>.

Awuapp: Online whiteboard with real-time visual collaboration. No login, share link and go. <https://awuapp.com/>.

Prezi: an alternative to Power point presentation tool. <https://prezi.com>

Muzzyplane: Low-cost simulation tool. <http://www.muzzyplane.com/>.

Pexels: Free stock photos without need for attribution. Branch of resources for videos. <https://www.pexels.com/>.

Unsplash: Free images with easy citations. <https://unsplash.com/>.

Bensound: Royalty-free music and music clips <https://www.bensound.com/>.

*selection of apps were originally suggestions from Jeff Ertzberger and Salena Rabidoux keynote presentation @ 3rd Annual Ed Tech Mini Conference at UNCW, a great conference for this!

11.

Not so simple

what is out there that I need time to use?

maybe not as simple to use?

helps me meet a more complex objective/s

cost? to me/institution or students (or both)

Virtual Sim

12.

Virtual Simulation:

V-Sim: <https://www.laerdal.com/us/products/courses-learning/virtual-simulation/vsim-for-nursing/>

ShadowHealth: <https://www.shadowhealth.com/>

Virtual Clinical Excursions:
<https://evolve.elsevier.com/education/nursing/virtual-clinical-excursions/>

13.

NLN Institute for Simulation and Technology: <http://www.nln.org/centers-for-nursing-education/nln-center-for-innovation-in-education-excellence/institute-for-simulation-and-technology>

Educause: <https://www.educause.edu/>

Online Learning Consortium: <https://onlinelearningconsortium.org/>

Office Of Educational Technology: <https://tech.ed.gov/blog/>

14.

EdTEch Update: <https://www.edtechupdate.com/>

Kathy Shrock's Guide to Everything: <https://www.schrockguide.net/>

Free Technology for Teachers: <https://www.freetech4teachers.com/>

EduTech for Teachers: <http://edutech4teachers.edublogs.org/>

The Nerdy Nurse: 9 fun and educational nursing games: <https://thenerdynurse.com/9-fun-and-educational-nursing-games/>

15.

Innovative Technology for Online Classes

Tech in Teaching

What's next?

where are we going?

Adaptive Learning

Julie F. Hinkle PhD, RN, CNE
University of North Carolina
Wilmington

16.

Adaptive Learning/ Personalized Learning



Types

AL platforms

Why

How I have used AL

17.

Adaptive Learning:

"Adaptive learning is an educational method which uses computers as interactive teaching devices, and to orchestrate the allocation of human and mediated resources according to the unique needs of each learner."- www.definitions.net

Decision Tree Systems

Rules Based

Advanced Algorithm

Machine Learning

18.

- branching based on "if this than that" logic
- set points for feedback and somewhat individualized

19.

- set content
- predetermined path through content set by rules
- feedback can happen at end of learning unit or can have ongoing feedback... suggested revisions based on preset rules

20.

- More individualized
- real time evaluation, feedback and learning paths

21.

- Most sophisticated system
- algorithms create algorithms ~ "learning"
- this means realtime individualized response to students

22.

Adaptive Learning Platforms:

Realizeit: <http://realizeitlearning.com/>

SmartSparrow: <https://www.smartsparrow.com/>

Knewton: <https://www.knewton.com/>

CogBooks: <https://www.cogbooks.com/>

Pearson My Lab: <https://www.pearsonmylabandmastering.com/nae/themericaleducator/features/adaptive-learning/index.html>

Vital Source Acrobatiq: <http://acrobatiq.com/>

23.

What does adaptive tech bring to teaching?

- scaffolding
- real time data
- ongoing assessment of at risk students
- engaging

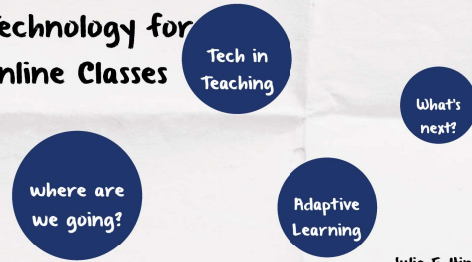
24.

Pathophysiology

- Face to face
- Blended
- Online

25.

Innovative Technology for Online Classes



Julie F. Hinkle PhD, RN, CNE
University of North Carolina
Wilmington

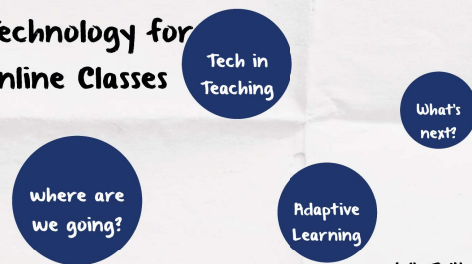
26.

Discussion

What student learning need do you have and what could you use to meet that need?

27.

Innovative Technology for Online Classes



Julie F. Hinkle PhD, RN, CNE
University of North Carolina
Wilmington

28.