THE RIGHT STUFF: MAKING TECHNOLOGY FIT

Kathleen M. Williamson, MSN, PhD, RN

Chair, Associate Professor

John and Nevils Wilson Distinguished Professor

Wilson School of Nursing

Midwestern State University







LEARNING GOALS

- Describe various frameworks to identify suitable technology tools to achieve learning goals using pedagogical/technological approaches.
- Discover new, innovative and original ways to integrate technology into your courses in order to delivery innovative content in an online, blended, and/or face-to-face environment.





WHO IS ARE LEARNER TODAY?

How do they learn?

What do they need?

Where do they learn?



What do we need to do to support them?



Critic

Critical thinking & problem-solving

Initiative & entrepreneurialism



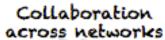
Curiosity and imagination







Skills & Attributes of Today's Learner



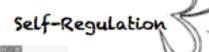


Agility & adaptability















USE OF TECHNOLOGY

 Use of technology in instruction involves understanding of the interconnections between content, pedagogical, and technological knowledge.







TPACK FRAMEWORK

Based on Lee Shulman's

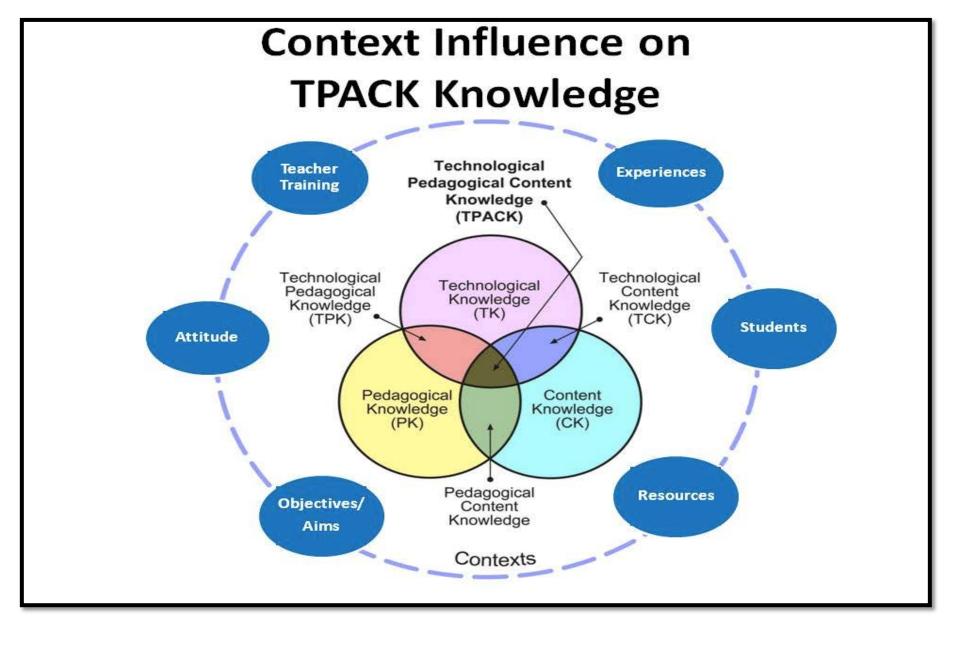


 Achieve learning goals using pedagogical/technological approaches.

 Good teaching requires an understanding of how technology relates to the pedagogy and content.







Reproduced by permission of the publisher, © 2012 by tpack.org https://aishacollymore.wordpress.com/2013/02/26/too-cool-for-school-no-way/

SAMR Model

Contributes to Transformational Learning

Redefinition

Tech allows for the creation of new tasks, previously inconceivable

Modification

Tech allows for significant task redesign

Enhancement

Augmentation

Tech acts as a direct tool substitute, with functional improvement

Substitution

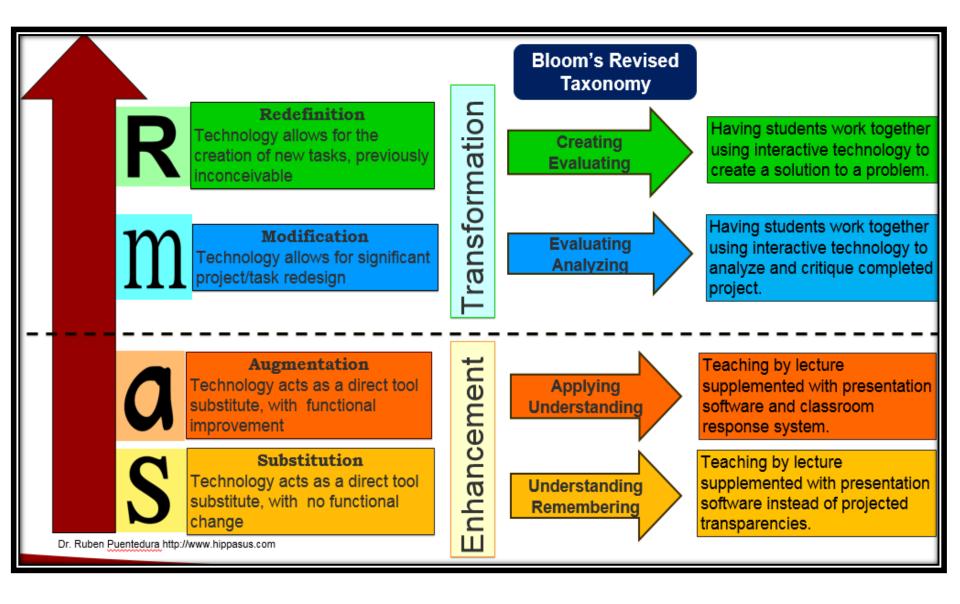
Tech acts as a direct tool substitute, with no functional change

Transformation

Leads to
Learning
Enhancement
&

Engagement









QUESTIONS TO ASK

What will I
gain by
replacing the
task with new
tech?

Does the tech add new features that improves the task? Does the task significantly change with the use of tech?

Does the tech
allow for
creation of
new task
previously
unconceivable?



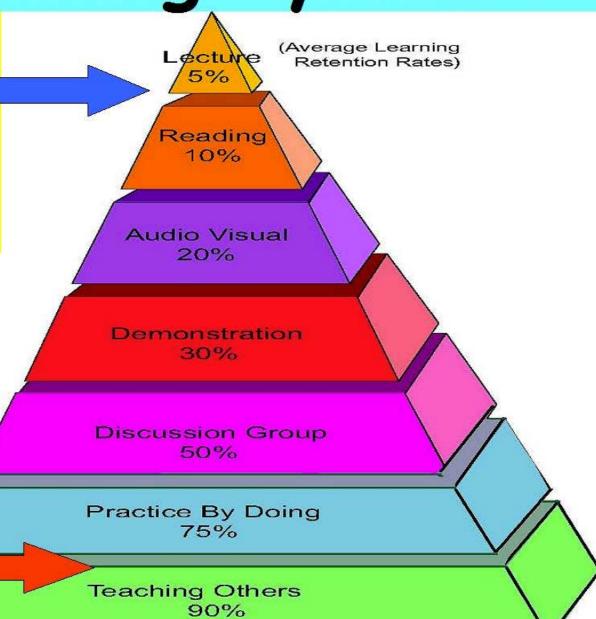




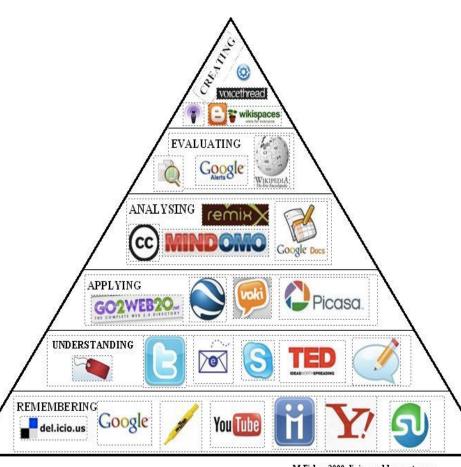
The Learning Pyramid

Trying to learn using this often presents many 'barriers'

Effective
Learning
requires a
great deal
of this



Technology Use



Provides virtual environments, tools, and tasks for students to engage in simulations, problem-solving, collaborations and other learning activities that require students to use higher order thinking skills.

M.Fisher 2009 digigogy.blogspot.com

https://visualblooms.wikispaces.com/

Technology is just a tool. It can be used crudely like a hammer or skillfully like a scalpel.

thewiredhomeschool.com

Tasks to engage

- Simulations
- Problem-solving
- Collaboration
- Communication
- Tools
 - Apps
 - Devices
- Virtual environments
 - Learner centered









Curriculum drives the use of technology



Technology Implementation that Integrates Pedagogy with Technology = DEEPER LEARNING

- Technology integration
- Extend learning
- Engagement
- Adjust teaching



The 4 Stages of Teacher Confidence in the Use of Technology

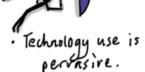
By Mark Anderson

3 IMPACT

· Students & I are using tech effectively.

· Tech is embedded in my lessons and planning, where appropriate.

4 INNOVATION



· I an as digitally literate as I am with pedagogy and

subject knowledge.

آ innovate ﴿ share.

USURVIVAL

'I'm scared of breaking it.

@ ICTEvangelist

- · I'm not sure what to do.
- · I think I should use this in lessons but I'm not sure hiw.

I ve received training.

2MASTERY

· I've practiced with apps.

· I've trialled it in lessons with success.

· I'm teeling more confident.

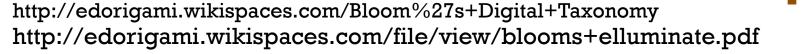


CONFIDENCE Increased

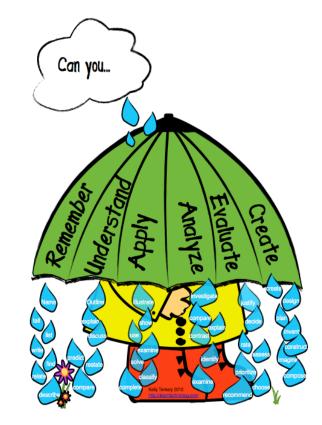
@sylvia duckworth



- Before we can <u>understand</u> a concept we have to <u>remember</u> it
- Before we can <u>apply</u> the concept we must <u>understand</u> it
- Before we <u>analyze</u> it we must be able to <u>apply</u> it



- Before we can <u>evaluate</u> its impact we must have <u>analyzed</u> it
- •Before we can <u>create</u> we must have remembered, understood, applied, analyzed, and evaluated it.







WHAT DO YOU WANT TO DO WITH TECHNOLOGY?

http://www.teachingquality.org/content/blogs/bill-ferriter/technology-tool-not-learning-outcome

Activities

- Make a Presentation
- Start a Blog
- Create a Word Document
- Design a Flipchart
- Produce a Video
- Post to virtual Board
- Use a Whiteboard
- Develop Apps

Outcomes

- Raise awareness
- Start conversations
- Find Answers (to their questions)
- Be collaborative
- Change minds
- Make a difference
- Take Action
- Drive Change

Technology is a TOOL, NOT a Learning Outcome

Cool Tools









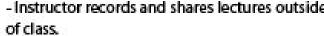


Traditional Classroom



- Instructor prepares material to be delivered in class.
- Students listen to lectures and other guided instruction in class and take notes.
- Homework is assigned to demonstrate understanding.

Flipped Classroom -Instructor records and shares lectures outside





- Students watch / listen to lectures before coming to class.
- Class time is devoted to applied learning activities and more higher-order thinking tasks.
- Students recieve support from instructor and peers as needed





WHY FLIP CONTENT?

- No longer power through PowerPoint's in class and hope they understand it.
- Multiple ways to think about a problem, instead of one.
- It allows for misconceptions to be corrected
- More learning, active, collaborative

Avoids passive learners









Polling Software







Screen Casting Software

http://www.showme.com/

http://www.touchcast.com/

https://www.educreations.com/





White boards on iPad





TouchCast

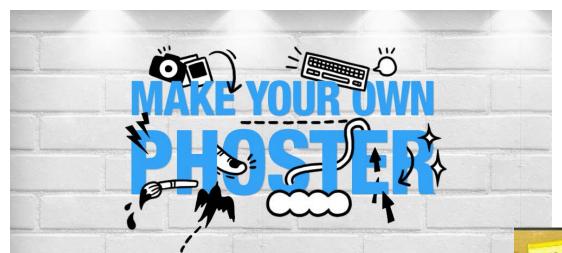


Movie Maker - PC

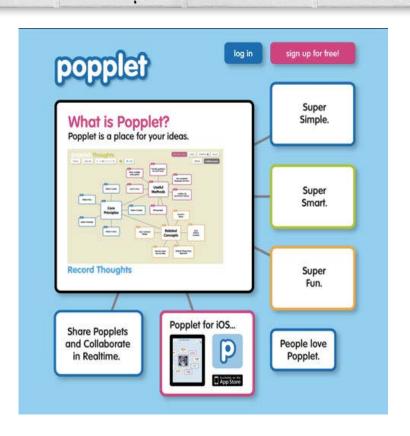


iMovie - MAC











http://linoit.com/

Swivl http://www.swivl.com/



Swivl Demo:

http://youtu.be/N6By7WwdR3U

Using video for instruction, reflection and observation









#TEDTalksEd





Rita Pierson

https://www.ted.com/topics/medicine

Streaming Devices



Applications

Top Free iPad Apps



1. Microsoft Word for iPad

Productivity Download *



2. Microsoft Excel for iPad Productivity

Download .



3. Microsoft PowerPoint for... Productivity

Download .



4. Microsoft OneNote for iPad Productivity

Download .



5. Gmail - email from Google Productivity

Free •

Paid



Top Grossing

6. Pages Productivity Update *

Free



7. Numbers Productivity Update *



8. Keynote Productivity





9. OneDrive (formerly... Productivity

Download .



Productivity -



11. Google Drive Productivity Download .



12. CloudOn (with MS Office® 201... Productivity Free *





13. Yahoo Mail Productivity Free .



14. Evernote Productivity Download *



15. Office 365 Admin Productivity





Productivity Free .



17. MyScript Calculator -... Productivity Free *



18. Drawing Desk - Draw, Paint,... Productivity Free *



19. Prezi Productivity Free .



20. Paper by FiftyThree Productivity





21. OneDrive for Business (forme... Productivity

Download *



22. Penultimate Productivity

Download .



23. Home Design 3D - Free Productivity

Free *



24. Doodle Buddy for iPad - Paint,... Productivity

Download *



25. Wunderlist -To-Do & Task List Productivity

Free *



26. Emoji 2 Emoticons for i... Productivity

Free •



27. TeamViewer: Remote Control Productivity

Free *



28. MyCalendar Free Productivity

Free *



29. HP All-in-One **Printer Remote** Productivity

Free •

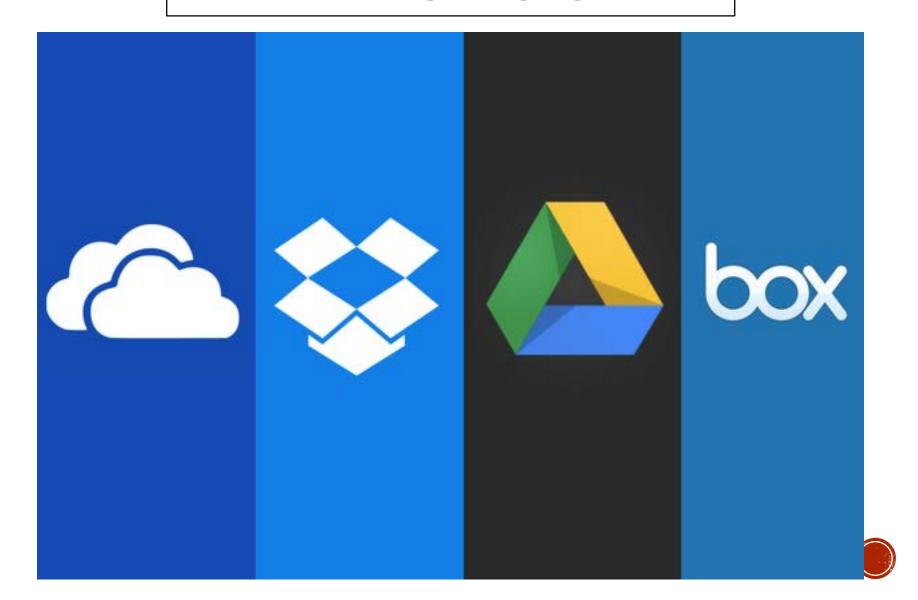


30. Bokeh Photo Editor - Colorful... Productivity

Free •



THE CLOUD



APPLICATIONS FOR NURSES





Search Results (11) - Filtered by Free **Full Text**

(EHR) AND (meaningful use)

Filter by Free Full Text

"Meaningful use" of electronic health records and its relevance to laboratories and pathologists.

Henricks WH, et al. J Pathol Inform. 2011 Free full text

Assessing readiness for meeting meaningful





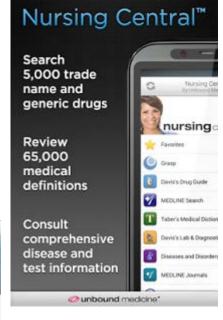






12:00 PM

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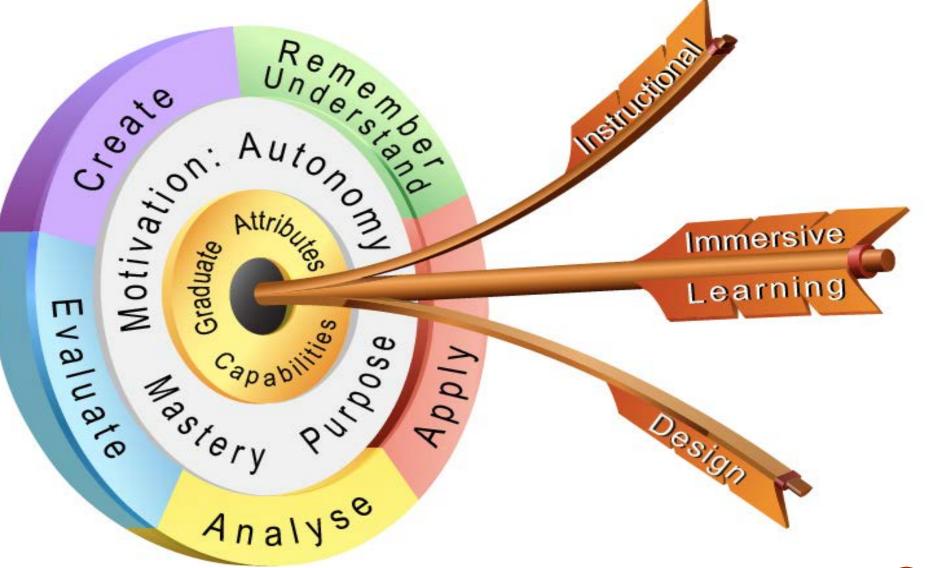


UpToDate.



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Pedagogy Wheel



https://www.youtube.com/watch?v=RAYVQlUVpK4&feature=youtu.be http://designingoutcomes.com/assets/PadWheelV4/PadWheel_Poster_V4.pdf



Design with the end in mind

Define learning goals (Desired Decide on outcomes) assessments (Evidence of Design understanding) instruction (Help students achieve results)



WHERE TO GO FROM HERE:

Where the work is headed

Hook students with engaging activities (key ideas)

Explore the subject in depth (equip & experience)

Rethink with students the big ideas (research &

revise)

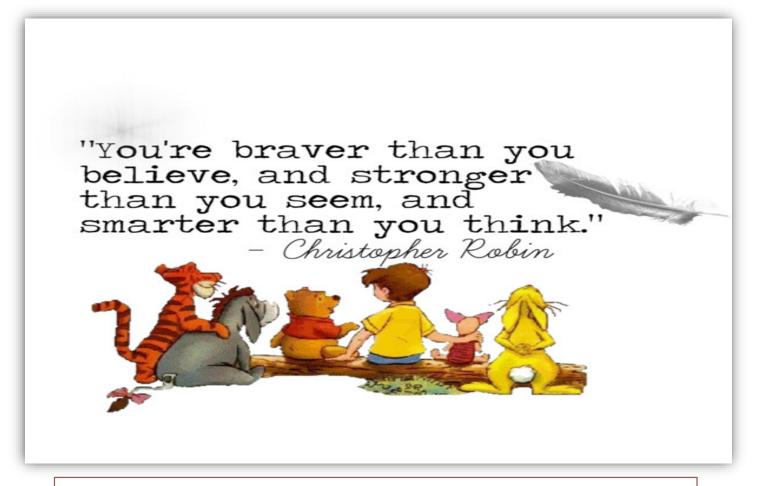
Evaluate and develop action plans through self-

assessment









"Think about your course in terms of the assessment evidence needed to validate that the desired learning has been achieved – so that the course is not simply content to be covered or a series of learning activities" (Wiggins & McTighe, 1998, pg. 39)





Where do you start?

it's not what the software does. it's what the user does.

Ohugh





@EBPMSU

@WilsonNursing



Facebook: Wilson School of Nursing - Midwestern State

Contact information: Kathleen.williamson@mwsu.edu

