

# USING TECHNOLOGY

to ANCHOR INSTRUCTION and  
ENHANCE the LEARNING EXPERIENCE

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# Is finding the right technology daunting for you?

Using technology can be frustrating.

Using models to guide decisions on proper tech tool integration to transform learning.



By the end of this session, you will be equipped to do the following:

1. Apply one of the concepts or models discussed in technological tool selections.
2. Select an appropriate technological tool for instruction based on objectives.
3. Design an assignment that would be consistent with a model discussed.



What problem are you seeking to solve?  
What's in your **Tech Toolkit**?

# Theoretical approaches

**Web 2.0 Technologies** (Tim O'Reilly, 2005) – social networks, media sharing, creative content – all more oriented to participation, collaboration

**Connectivism** (George Siemens, 2004) – a learning theory for the digital age; knowledge is distributed, cognitive development

Common theme: Creating and sharing; visual learning

Cognition + emotions = learning

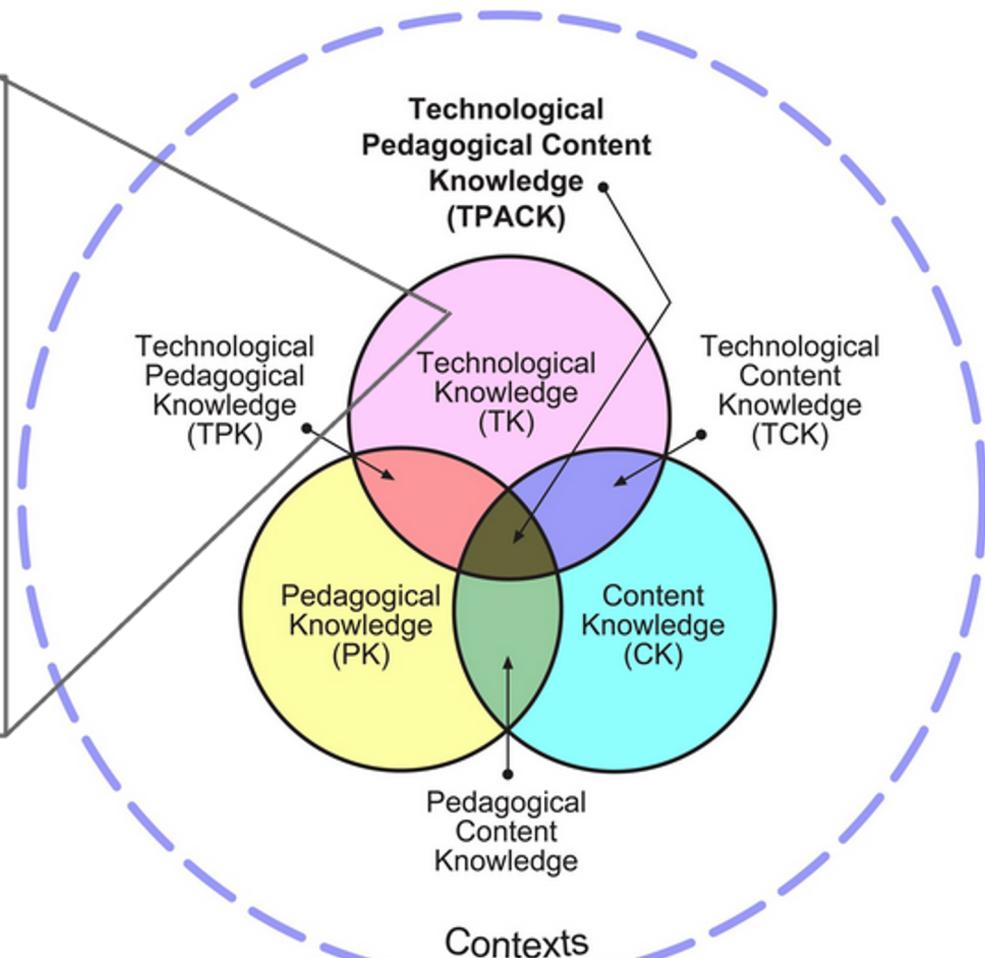
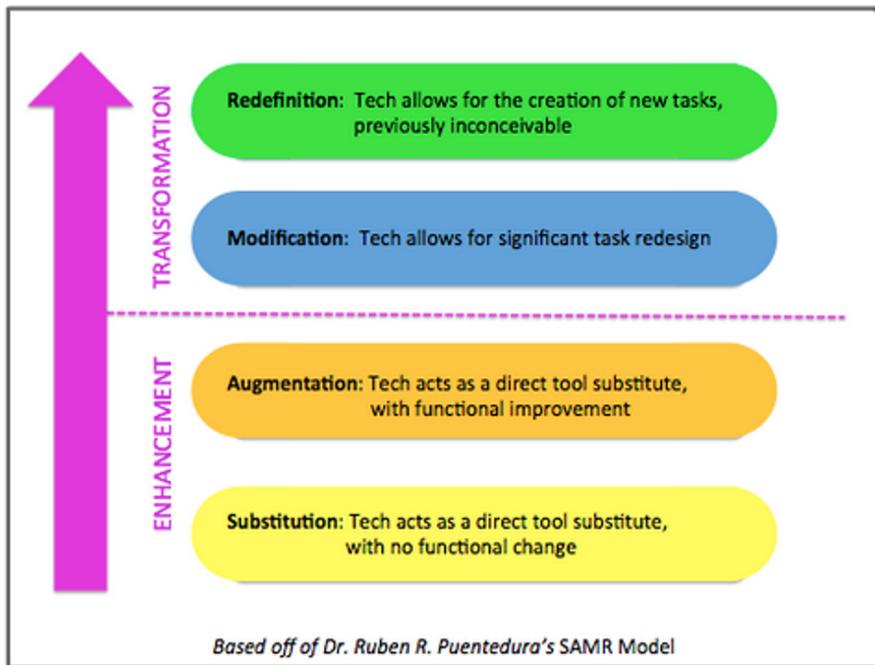


# Uses of Technology (Dewey Taxonomy)

- Inquiry
- Communication
- Construction
- Expression

Bruce, B. C., & Levin, J. A. (1997). Educational technology: Media for inquiry, communication, construction, expression. *Journal of Educational Computing Research* 17(1), 79-102.







# Mel's Tech Toolkit

- Google Education
- Wakelet
- Padlet
- Twitter
- Wikipedia
- Adobe Spark Video
- EdPuzzle
- Scratch
- Kahoot!
- Piktochart
- Zoom
- VoiceThread
- Google Trends
- BlogTalkRadio
- Screencast-O-Matic
- Canvas
- Moodle
- YouTube
- Facebook
- Microsoft Office
- Canva



## Alignment

Find the right tech tool for the job. “ ... technology tool categories that accomplish specific pedagogical purposes (Darby, *Small Teaching Online*, 63).”

- Align to your objectives.
- Align tech tools with the cognitive domain of Bloom’s taxonomy.
- Start with LMS tools.



## Bottom line

Whichever technology you use, make sure it's rooted in pedagogy.

Using technology because it's "shiny and new," yet unfounded in pedagogy, is dangerous.

Technology must *support* instruction, not *be* the instruction.



# Principles

- Identify the objective.
- Avoid “harmful” technology — difficult log-ins, fees, etc.
- Provide alternative means of access — Universal Design for Learning; alternative options (even “unplugged” options)



# Elements of a Tech-integrated Instruction Plan

- Title
- Purpose
- Objectives
- Agenda



# Recap

Use technology to support and re-energize your teaching.

Don't be afraid to try something new.

Have fun, and always be on the search for what else could work for you and your students.

**Know your goal. Make a plan.**



What one tech tool will you try? **Why?**

What's in your **Tech Toolkit?**



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