TAKING THE LEAP: TECHNOLOGY INNOVATIONS IN NURSING EDUCATION

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Apple Distinguished Educator Class of 2015
OBJECTIVES

• Review relevant theories used in the successful integration of technology in education

• Outline app usage and app selection using the SAMR model

• Discuss the current literature concerning technology in the health professions

• Connect apps to faculty and student work life across the nursing curriculum

• Apply learned concepts to real world assignments and situations in nursing education
THE THEORY OF EVERYTHING

Transformation

Redefinition
Tech allows for the creation of new tasks, previously inconceivable

Modification
Tech allows for significant task redesign

Augmentation
Tech acts as a direct tool substitute, with functional improvement

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

Enhancement
THE THEORY OF EVERYTHING

SAMR Model for Technology Integration

NO Technology
Substitution
Augmentation
Modification
Redefinition

ENHANCEMENT
Tech acts as a direct tool substitute, with no functional change.
Tech acts as a direct tool substitute with functional improvement.
Tech allows for significant task redesign.

TRANSFORMATION
Tech allows for the creation of new tasks previously inconceivable.
TECHNOLOGY MEETS PEDAGOGY
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THE EVIDENCE

• 8 minutes

• all the time it takes to lose your audience

• Next generation of learners

• Moving past lecture

• Bridging the gap
THE EVIDENCE

Moderators of Successful iPad Integration

- Benefits of Technology
- Portability & Flexibility
- Facilitator of Learning
- eBooks
- Nursing Apps
- Technology in Clinical Nursing Practice
- Emotional Response
- Professor’s Use
- Communication
- Learning Curve
- Learning Preferences
- Limits of Technology
- Dependence on Technology
- Headache/Eye Strain
- Distraction
- Monetary Concerns
- Technical Difficulties
APPLICATION: FACULTY LIFE

- Jot
- Evernote
- Explain Everything
- iAnnotate
- iBooks
- Keynote
APPLICATION: STUDENT LIFE

- Evernote
- iMovie
- PureFlow
- Planning Pro
- Netter's
- eBook, iBook
Purpose: Learning Reinforcement

Apps: iMovie or Quicktime

Steps: Choose a topic
Give a 2-3 minute popup lecture
Ask for student feedback
ACTIVITY 2
EFFECTIVE GRADING

Purpose: Grading

Apps: Scannable and iAnnotate

Steps: Set up Annotation Bar
Scan example using Scannable
Upload example to iAnnotate
Grade using at least 3 tools
ACTIVITY 3
ACTIVE LEARNING

Purpose: Teaching, Reinforcement, Grading

Apps: Explain Everything

Steps: Find a Group of 3-4 people

Create an EE of your assigned part of the alphabet

Each letter must have a slide, a presentation enhancement and a voice over
ACTIVITY 4
COMPETENCIES AND ORGANIZATION

Purpose: Organization

Apps: Evernote, Scannable

Steps:

Create a basic Evernote account

Add your new Evernote email to your address book

Create at least 2 notebooks

Scan and add documents to Evernote using email

Add photos or graphics to Evernote
ACTIVITY 5

CHOOSE YOUR OWN ADVENTURE

Purpose: Technology Integration

Apps: Participant Choice

Steps:
- Briefly discuss your course with your group
- Pick an assignment to modify or redefine
- Use the SAMR wheel to choose an APP and the correct Bloom’s taxonomy
- Write a description of the assignment
- Design an example
REFERENCES

• All apps available through the Google Play, Android and Apple App Store


