

A Song of Tradition and Modernity:

The Emergence of Instructional Design and
Multimedia-based Learning in the face of Curriculum
Transformation

Alexa Tan
Rebecca Miller, MS

8/14/18



About me



Rebecca Miller

@OEISDirector



#EducationalAdministrator
#CurriculumReform
#EmergingTech
#Leadership

8:45 AM - 14 Aug 2018

Our Story

Who we are?

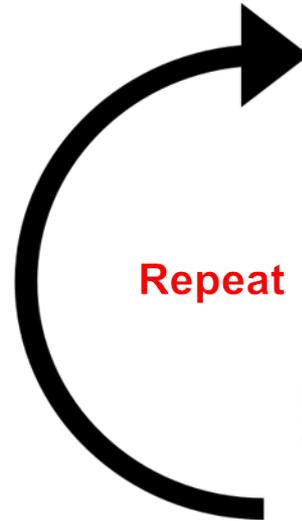


UCSF School of
Pharmacy



Curriculum Transformation

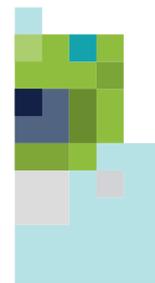
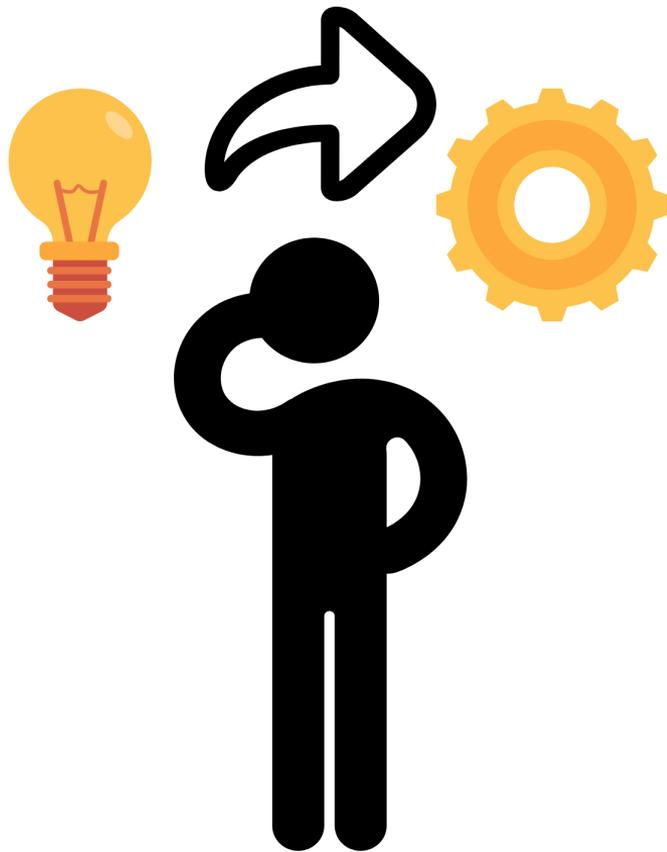
- Drivers for change
 - Healthcare landscape
 - Complex patients
 - Legislative changes
 - Changing learners



I study
↓
I take the test
↓
I pass it
↓
I forget what I learnt



THEFUNNYPLANET.COM



OEIS

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SERVING FACULTY AND STUDENTS



COURSE DIRECTOR +
COORDINATOR



THEME DIRECTOR +
TEAM OF EXPERTS



BASIC SUPPORT
SERVICES



COMPLEMENTARY
EXPERTISE



About me



Alexa Tan

@Instructional Designer

#EducationTechnologist

#GraduateStudent

#Millennial

#Neuroscience

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UCSF PHARM D CURRICULUM TRANSFORMATION PROJECT

2016 ACPE Standards -

Active learning pedagogy seeks to

- Actively engage learners
- Promote student responsibility for self-directed learning
- Foster collaborative learning

Developing PharmD Graduates with the following skills:

Collaborative learning across health care professions



Critical thinking and problem solving

Focusing on patient health



Factors influencing teaching methods:

- Instructional setting
- Logistics (i.e. time required, learner characteristics, etc.)
- Learner expectations (i.e. self-paced learning, competency-based learning, active learning)
- Instructor familiarity/experience
- Technology

Assessment of curriculum

Examinations must deliberately test analysis and evaluation skills through **questions that require more than knowledge recall**



Evaluation of curricular components can be achieved through:

- Peer teaching observation
- Faculty interviews
- Student evaluations

DELIVERABLES

1

Improved student learning experience

2

Faculty development around different instructional methods

DESIGN SERVICES



Providing Tools

via online training modules and in-person consultations



Lecture Transformation Support

Collaborate with faculty in turning lectures into active learning sessions



Practical Workshops

to facilitate implementation

Tradition
versus
Modernity



Poll

Word cloud

- What technology did your instructors use when you were in school?



Traditional Learner

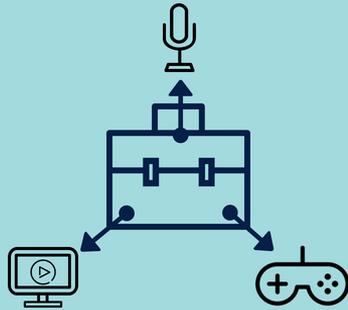
Millennial Learner

Bridging the Gap



HOW INSTRUCTIONAL DESIGN

APPLIES TO HEALTH PROFESSIONS EDUCATION



1

Diversify

Upgrade your learning environment by diversifying your teaching modalities.

1. Use multimedia as education tools (**voice or text annotations, student-directed videos, mini podcasts, group text messaging for case-based discussions, games**)

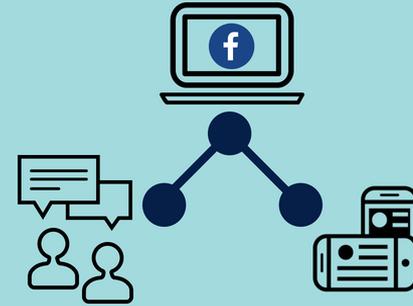


2

Connect

Make material relevant to students.

1. Connect what you teach with current events and culture.
2. Use **human-centered cases** as a jumping-off point for discussion by establishing empathy.



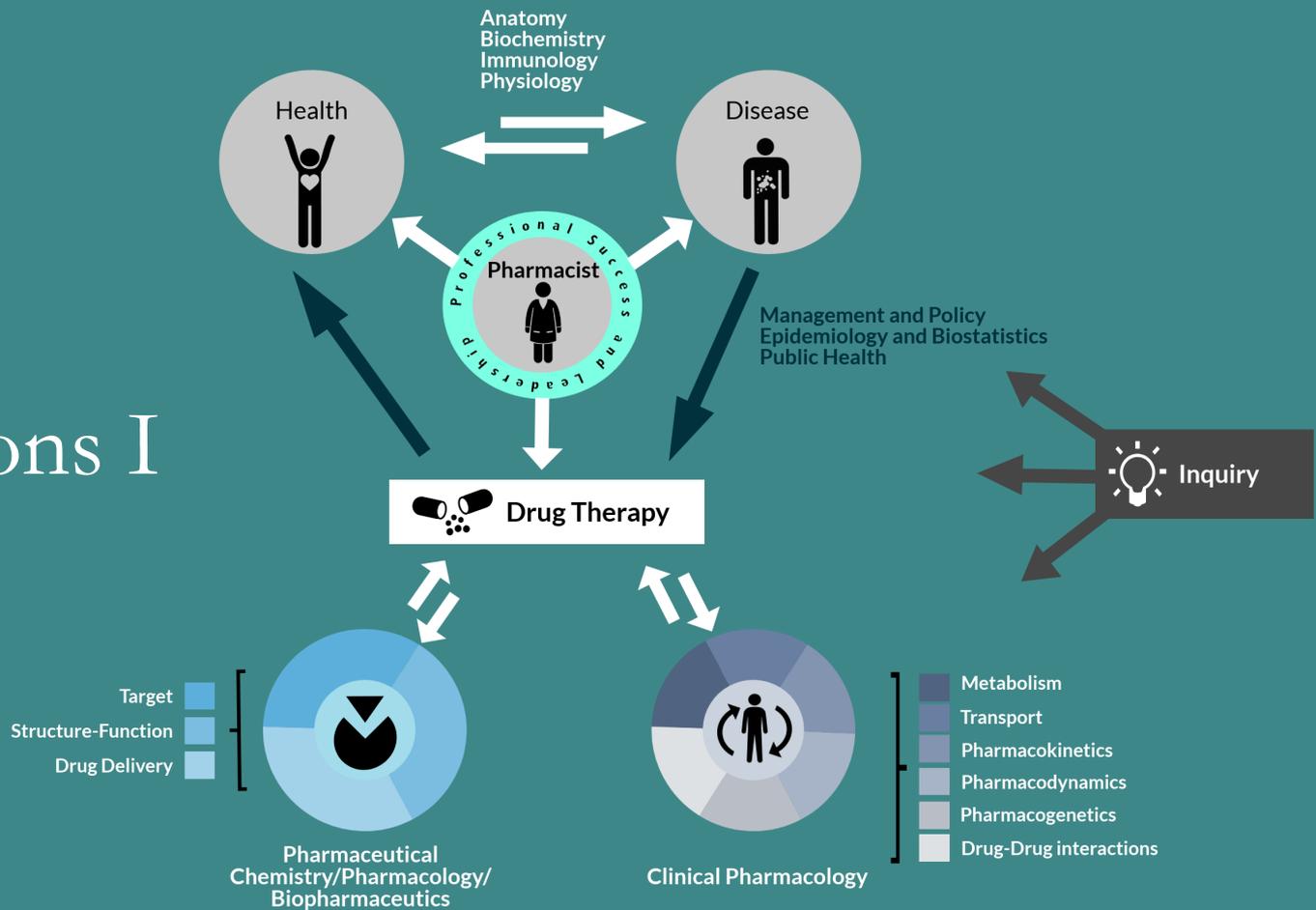
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Collaborate

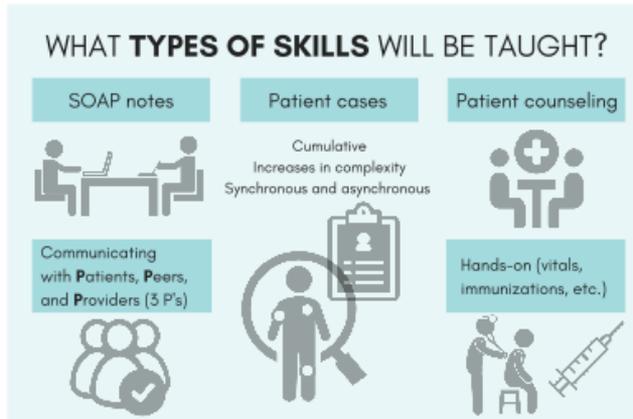
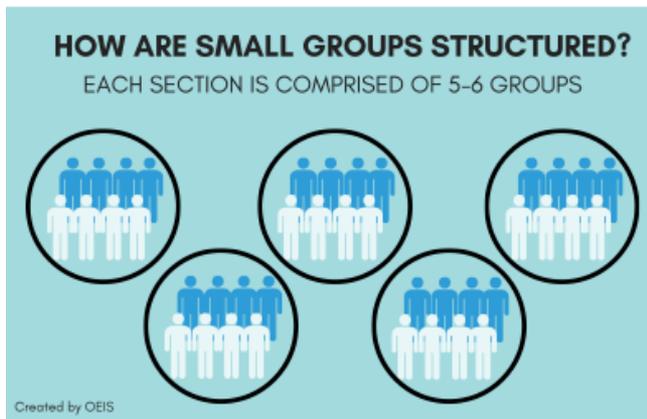
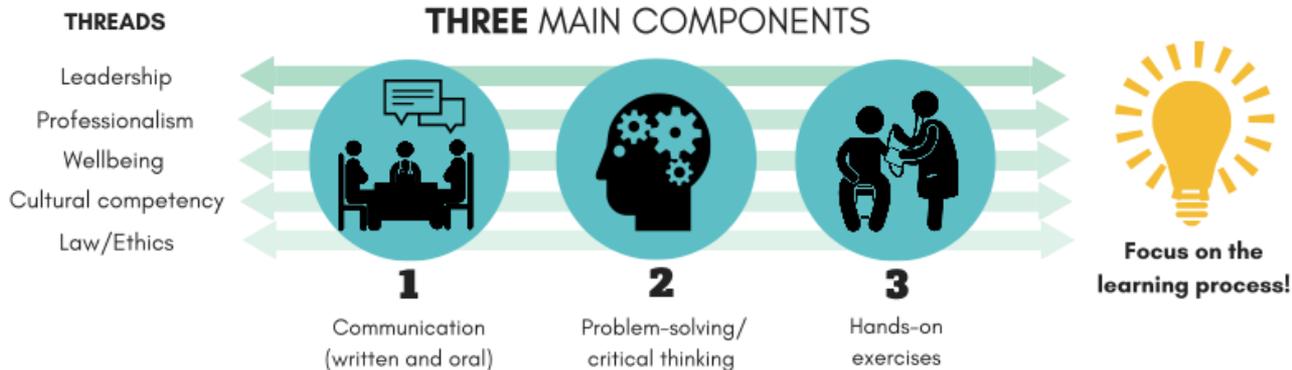
Create a space for collaboration and exchange.

1. Open up a dialogue with your students and let their inquiries and curiosity shape your lessons.
2. Build connections to your students by communicating with them as they do with each other and world around them: **group text messages, Facebook, Twitter, Snapchat**

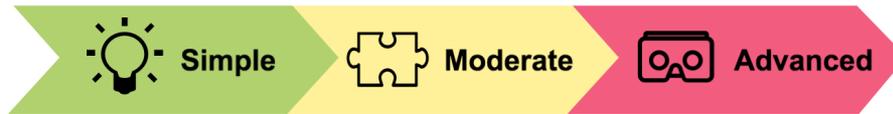
Foundations I



Applied Patient Care Skills (APCS)



Active Learning Meter



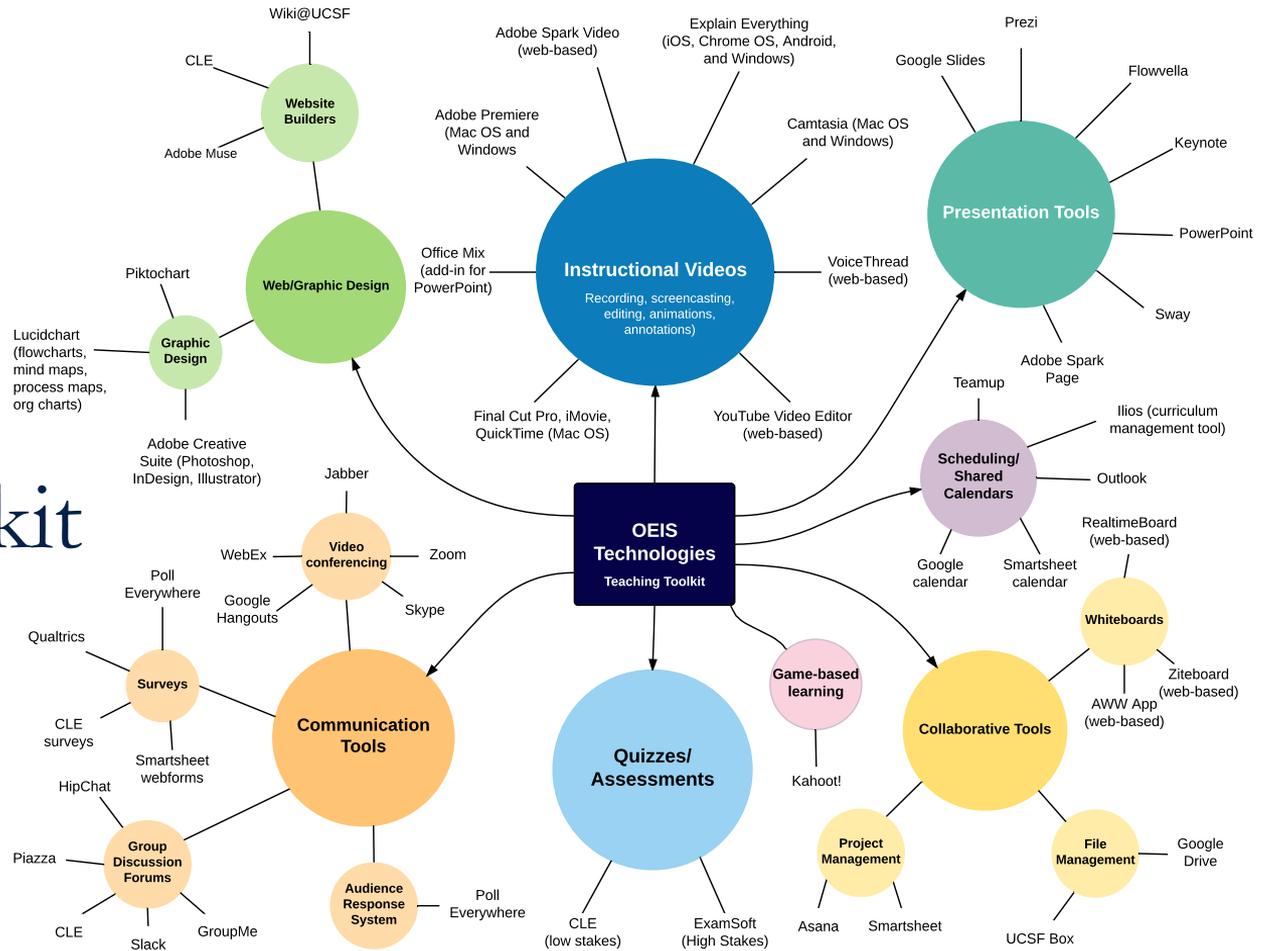
- LG: Think-pair-share
- LG: Polling, surveys or questionnaires (Poll Everywhere, Qualtrics) (LG)
- SG/LG: Self-assessment activities
- SG/LG: Brainstorming activities (i.e. flowcharts, decision trees)

- SG/LG: Case-based discussions
- SG: Transforming student study guides into puzzles/games
- SG/LG: Peer-to-peer demonstrations

- SG/LG: Role playing or clinical simulations
- SG/LG: Interactive VR mini lessons (Google Cardboard + free InBody VR app or VR Human Body app)
- LG: 360/VR slide presentations (Google Cardboard + ThingLink)

SG: Small group LG: Large group

Growing teaching toolkit



Next steps



Join Us!

- **Event:** Birds of a Feather
- **Date:** Tue, Aug 14 11:45am - 12:45pm
- **Location:** [Executive Meeting Room - Hyatt Place](#)



UC Education Technology

UCSF School of Pharmacy |  **UCCSC 2018**

UCCSC has its roots in ed tech! Let's meet to share our common UC experiences in this mission critical area.



Discussion/Q&A

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Office of Education and
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Director