

Online Learning Strategies: Theory Overview June 13, 2013

Presented by MATEC NetWorks







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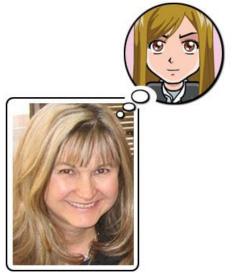


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Presenters



Dianne McKee, M.Ed
Project Coordinator for the ST4STEM
Project at Maricopa Community Colleges

Dianne.mckee@domail.maricopa.edu



Jeannette Shaffer, PhD

Instructional Technologist for the Maricopa Center for Learning and Instruction at Maricopa County Community Colleges

Jeannette.shaffer@domail.maricopa.edu

Moderator: Michael Lesiecki











Objectives

- Present an overview of constructivism, experiential, and contextual learning theories
- Address online learning principles for deeper learning and student engagement
- Provide examples of online instructional strategies that have been successful
- Challenge participants with 8 goals for developing a student-centered online course





Audience Poll

How many of you have ...

- A. Taught/facilitated an online course
- B. Taken an online course
- C. Designed an online course
- D. Other







Behaviorism

Change student behavior

Established model of instruction:

- Teacher-centered
 - Explicit instructions and outcomes
 - Testing and grading
- Content is sequenced appropriately
- What worked for us







Behaviorism (Continued)

"The use of technology in online courses has slowly shifted the theoretical balance from behaviorism to constructivism due to the increased use of educational technologies. More often instructors are choosing to utilize a combination of these two learning styles in an effort to best meet the learning styles for all students."

(Weegar & Pacis, 2012)





Cognitivism

Organizing information in meaningful ways

- Accommodate various learning styles
- Chunk content
- Content is sequenced from simple to complex
- What worked for us



University of Wisconsin-Madison. (n.d.). *Online learning theory and design principles*. Retrieved from http://academictech.doit.wisc.edu/online-teaching-resources/designing/online-learning-theory-and-design-principles





Experiential

Support learning by doing and reflecting

- Experience a concrete activity
- Sharing reactions and observations through reflection
- Analyzing data
- Make inferences
- Applying new knowledge in different situations
- What worked for us
 - "...hybrid approach to pedagogy that combines online learning with experiential, offline, hands-on learning" (Godwin & Kaplan, 2008).*

*Innovate (http://www.innovateonline.info/) as: Godwin, L., and S. Kaplan. 2008. Designing e-learning environments: Lessons from an online workshop. Innovate 4 (4).







Audience Poll

How many of you have used experiential learning in your online course?

- A. Yes
- B. No
- C. No, but sounds good and am excited to try





Constructivism

Individually building knowledge

- Student centered
- Instructor as facilitator
- Social
- Active
- Contextual
- Engaging



University of Wisconsin-Madison. (n.d.). *Online learning theory and design principles*. Retrieved from http://academictech.doit.wisc.edu/online-teaching-resources/designing/online-learning-theory-and-design-principles





Audience Poll

Which learning theory do you use most when teaching online?

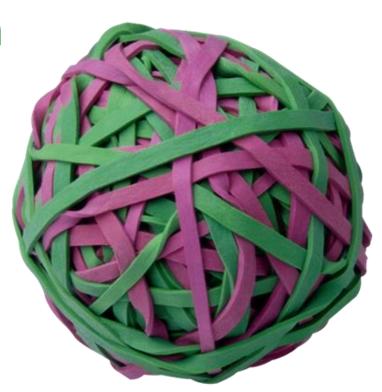
- A. Behaviorism
- B. Cognitivism
- C. Experiential
- D. Constructivism
- E. Combination





Theories in Action

Don't worry, we'll explain this image in a moment...

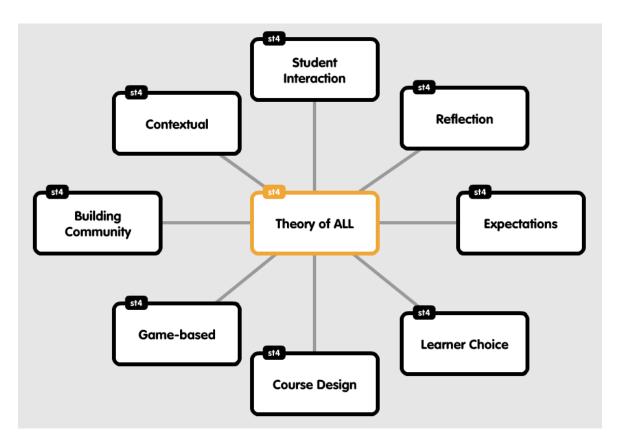






Theory of All

"Online learning requires a new pedagogy that is built on establishing a relationship between the instructor or facilitator and the learners." (Rubin, 2012)*



^{*} Rubin, N. (2012, O7 21). *Constructivism and online learning*. Retrieved from http://nancyrubin.com/2012/07/21/constructivism-and-online-learning/





Learning Principles: What has been successful?







Building Community

- Integrate reflective practices shared with peers
- Utilize collaborative tools
- Instructor utilizes prompts to encourage student interaction
- Meetups







Poll Audience

What is your institution policy for providing feedback to students in online course?

- A. Less than 6 hours
- B. 12 hours
- C. 24 hours
- D. 48 hours
- E. Other





Student Interaction

- Established feedback and response time
- Maintain presence in community
- Frequent interaction ("coffee break", gentle reminders, soft nudges)
- Let's take a look at the "coffee break"!



A quick word from

your instructor :-)







Learner Choice

- Learner choice (quest-based gaming)
 - Optional learning activities (quests)
 - Optional sequence of learning activities
- Teaming up for assignments
 - Learner selected collaborations
- Learner choice of instructional materials







Contextual

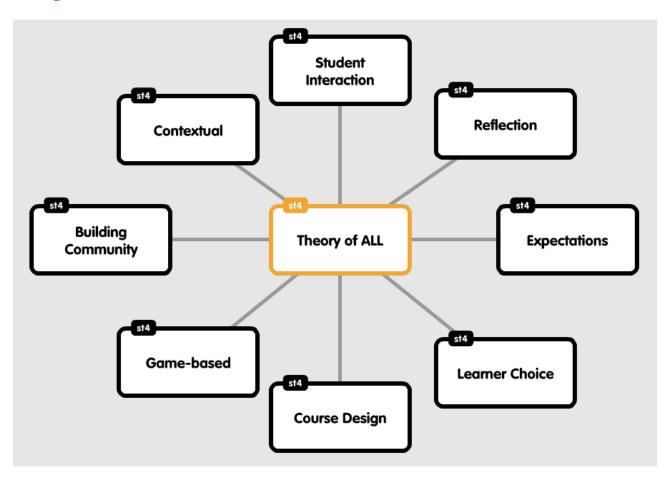
- Experiential using tech tools in the classroom (room to fail)
- Build upon student personal interest and knowledge (meaningful activities)
- Course competency Identify issues related to implementing technology in specific disciplines
- Telephone conversations
- Mentoring
- Drawing on hints in reflections/discussions
- Meetups







Theory of All







Expectations

Explicit expectations

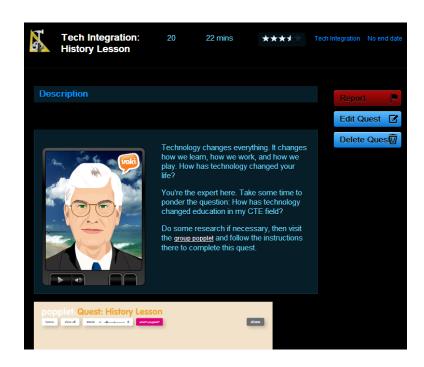






Course Design

- Sequential
- Recognizable/consistent format
- Chunking (quest-based gaming)
- Multimedia
- Get Inspired!
- Quality Matters (QM) Clean, non-cluttered, easy to navigate, readable

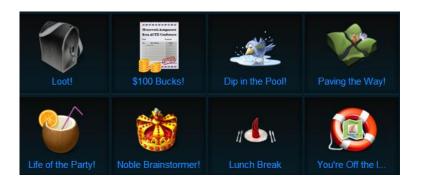






Game-based

- Game-based components for learner motivation/recognition
- Quest-based learning narratives, scaffolding, measureable outcomes, measure progress, engagement, competition





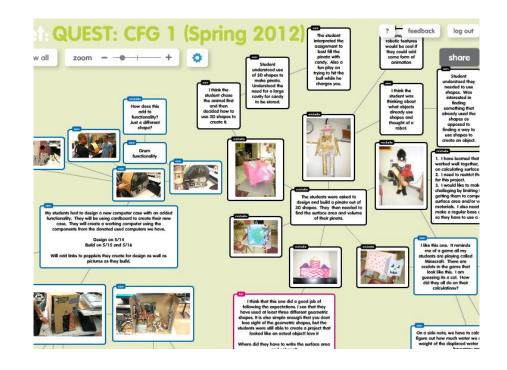
1950s – Behaviorism Current - Constructivism





Reflective

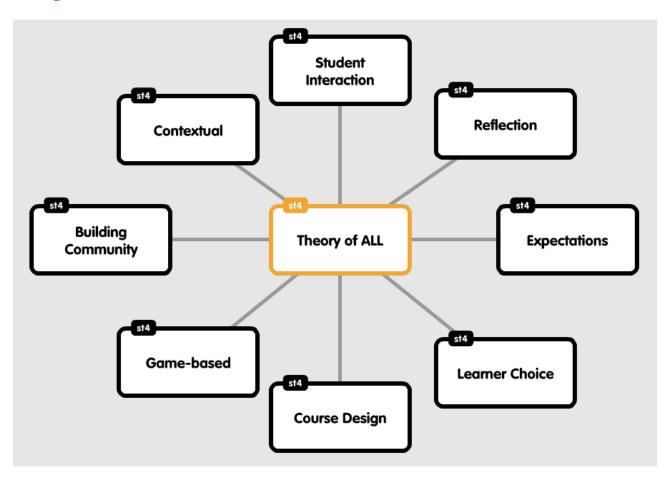
- Reflective learning for experiential and research activities in Google+ Community (discussion board)
- Self reflection prompts for each module (no post)
- Critical friends peer and student product review - Popplet







Theory of All



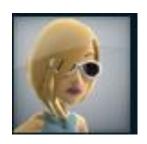




Your 8 Challenges...

...for developing a student-centered online course





(Based on Jeannette and Dianne's Theory of ALL)





#8

Provide an opportunity for students to reflect on an experiential learning activity or other assignment.





#7

Evaluate course content for opportunities to chunk content and add multimedia to engage students and enhance learning.





#6

Integrate several of the Quality Matters components into your course design such as:

- Providing activities that support active learning
- Ensuring that navigation is logical, consistent, and efficient
- Course design minimizes distractions to improve readability





#5

Provide at least one opportunity in your online course for students to fail, fail again, and then succeed without penalty.







#4

Participate daily in course community by posting questions, responding to posts, and prompting discussion among students.







#3

Increase interactions with students in the course by creating a weekly "coffee break" video, gentle reminder emails, virtual classroom/conference, etc.



A quick word from

your instructor :-)







#2

Permit students to build upon personal interests and knowledge to create more meaningful learning experiences in at least one unit/module.







#1

Beat your institution's response and feedback policy by interacting with students sooner than required!







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