

Project 1 Sel-Test

Directions: read down the many questions and figure out what you already know and what questions you would like to explore that you will use to write your philosophy page on your Digital Learning Leader Portfolio. Describe in your plan what you already know very briefly and then describe what you want to learn. Then submit your plan on Canvas. As you get started, you might find that you want to take various detours; and, since you are in the driver's seat, go for it!

Topic 1 - Educational Theory and Practice; Curriculum and ASSESSMENT.

Overview of Theory:

- What is a Library Learning Commons that replaces the traditional library as a part of a new environment both physical and virtual in which to learn?
- What's hot in educational theory today?
- What do brain research and cognitive theory have to contribute to teaching and learning?
- What is creativity and critical thinking? How is it assessed?
- What is restructuring or major school improvement in education (K-12 arena)?
- What major changes are happening to education during the pandemic?
- What is standards-based education (K-12 arena)?
- What is the difference between behaviorist theories and constructivist theories?
- What developments have been happening in U.S. Education: No Child Left Behind; Common Core Standards; Race to the Top; and ESSA (begun in 2016-17). What direction are Pres. Biden and his new Secretary of Education doing with the system of education currently in place?
- What efforts are being made to reach a very diverse group of children and teens such as cultural and language differences, abilities, economic differences, etc., etc., etc. How are educators working with Black Lives Matters?
- What is multiple intelligence? Why has it been declining in popularity?

- What is competency based learning?
- What is deep learning? What is collaborative intelligence vs. what I know and am able to do as an individual learner, or cooperative learning?
- What role do national societies play in quality higher education (higher education arena)?

Strategies of Teaching:

- What is Understanding by Design (K-12 arena)?
- What is Blended Learning?
- What is personalized learning?
- What is design thinking?
- What is inquiry-based or project-based or problem-based learning?
- What is discovery learning or self-directed learning?
- What is differentiated instruction (K-12 arena)?
- What is FLIP Teaching?
- How can these strategies be translated into practice
- What is a Digital Learning Leader at:
<https://sites.google.com/view/digital-learning-leader/home>

Curriculum and Assessment

- Who decides who will learn what?
- Who writes curriculum?

-Who really follows written curriculum, or do teachers do what they please as soon as the door is closed?

-Who decides what is the best way to teach math, social studies, science, etc.?

-What are the best strategies for teaching and learning what is to be learned?

-How do we know when a student learns what is to be learned (testing, assessment)?

-What impact has the federal legislation and state legislation had on curriculum standards and standardized testing? Refer to the history of legislation: No Child Left Behind, Common Core, Race to the Top and now ESSA. How has the emphasis on standardized testing affected the library program and the move to the library learning commons concept? And, what has happened to testing in the era of pandemics?

-Does the current testing measure only individual learning or are there tests that also measure what groups know and are able to do?

-What has President Biden already done about assessment and testing in the public schools?

-What are all these content management systems such as Canvas, Summit Curriculum, PowerfulLearning, schoology, etcl and how are they being used by K-12 education and in academia?

Topic 2: Collaboration and Coteaching

-Behaviorist Teaching - What is it and what is the role of the teacher librarian in course and lesson design?

-Constructivist Teaching (also known as Resource-based Learning, Project-based Learning, Problem-based Learning) - What is it and what is the role of the teacher librarian/instructional designer in helping students construct and solve their own engaging problems?

-What is collaboration in the educational setting?

-What is coteaching? What is the difference between helpful assistance by librarians to the faculty; cooperative assistance; and, full-blown coteaching?

-What did Loertscher find when he studied collaboration and coteaching?

-Are two heads really better than one?

-What roles do teacher librarians (information specialists/technology specialists) perform as they collaborate with teachers (K-8 settings) (public libraries - in home schooling and staff development) (special libraries/industry - in training)?

-What collaborative strategies are likely to produce excellence in teaching and learning no matter the teaching style of the teacher?

-What are the signs that collaborative activities are successful?

-How must organizations change to facilitate the role of collaboration?

-How can librarians move into the center of teaching and learning by collaborating and coteaching?

-What role changes happen when both the teacher and the teacher librarian perform when conducting design thinking learning experiences?

Topic 3 - Inquiry and Design Thinking

-What is fake news? What is a fact? What do kids, teens and adults do to ascertain reliable information?

-What is information literacy? What does AASL and ACRL define this as?

-What is information literacy as defined and outlined in the recent academic standards (2014) from ACRL

-What are 21st century skills?

-What are the 4 C's now becoming the 6C's?

-What is inquiry? Does it differ from information literacy?

-What is the difference between the three concepts above?

-What models exist and how do they compare?

-What is the LIIITES Model? How does the range of contributions to a learning experience coincide with the various ideas above? What's new in the LIIITES model?

-What other process literacies seem to be popular in education? Digital literacy? Transliteracy? Digital citizenship? Technology skills; Soft skills such as active mindset (Dweck)? How could these skills become a part of what librarians contribute to learning experiences?

-How do models of information literacy compare across the disciplines?

-What are Knowledge Building Environments? (Loertscher/Koechlin)

-How do I build my own mental model of information literacy and other process skills?

-Can information literacy be taught? How?

-Is the teaching of information literacy having an impact on what learners know and do?

-What findings from research illuminate practice?

-How can other 21st century skills be taught?

-What is the Partnership for 21st Century Skills? What are the standards and guidelines of AASL? What skills are promoted by ISTE? What are the national Common Core Standards? What are the four C's?

-What is the best way to teach 21st century skills? As a course? As a foundational element of a topical assignment? Separate? Integrated? Embedded?

-What is a Personal Learning Environment? How can it be taught to both adults and young people?

-What is genius hour?

-What are makerspaces? What is a maker?

-What is the difference between learning to make and making to learn? Learning to read vs. reading to learn?

-What is the UTEC maker model?

Topic 4 - Technology that boosts teaching and learning

-The SAMR Model..What is the difference between the bottom and the top levels and can you give examples of each?

- Do a survey of children, teens, and teachers you know to see if they are experiencing and using technology at the top of the SAMR model.
- The Google Suite of tools...What constitutes the entire list of free tools? How does both individual and collaborative learning with these tools affect knowing and doing?
- Explore other free and collaborative tools. How could these tools contribute to individual and group learning experiences?
- Explore other inexpensive tools...How could these tools contribute to individual and collaborative groups of learners? Could these tools be afforded by schools in high poverty areas?
- What progress is being made to insure that every learner has access to the Internet and tech tools needed for learning 24/7/365?
- What does the latest research say about the contribution of technology to teaching and learning?