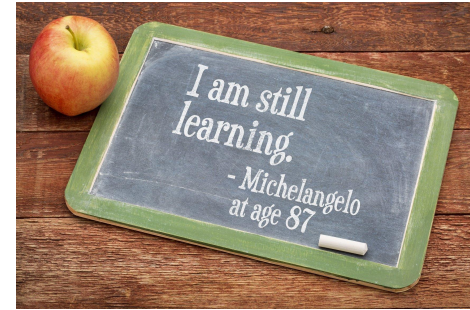# Teaching Frameworks

And Associated Assignment Samples

Why Use Frameworks?

- Provide guidance and structure in design and teaching - road map

- Systematic approaches are easier to evaluate

- Consistency, continuity with expectations

- Enhance innovation in teaching - motivation in learning
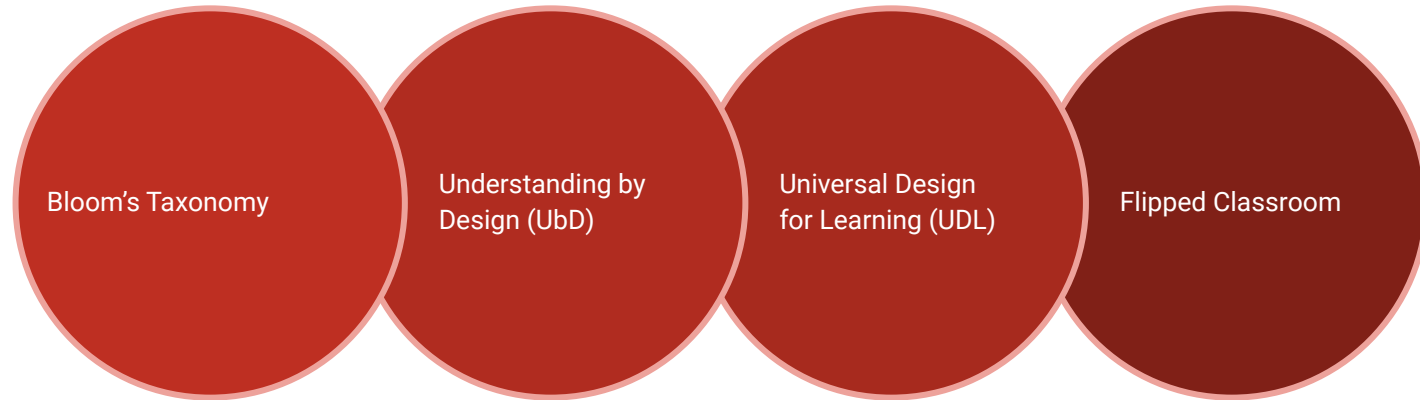
What are Teaching Frameworks?

Research-informed models that assist in aligning learning outcomes, class activities, and assessments.

They can vary widely in scope and content.

May focus on specific, or general instructional strategies, learning theories, or educational goals.

Can you think of some you currently use?

Ambrose, S., Bridges, M., Lovett, M., DiPietro, M., & Norman, M (2010). How Learning Works: 7 Research – Based Principles for Smart Teaching. San Francisco: Jossey-Bass.
Fink, L. Dee. (2013). Creating Significant Learning Experiences: An Integrated Approach to Designing College Courses. eBook: Jossey-Bass Higher and Adult Education Series.

Have You Heard?

Bloom's Taxonomy

Understanding by Design (UbD)

Universal Design for Learning (UDL)

Flipped Classroom

Some are discussed less frequently

What About?

Integrative Approach

Collaborative Pedagogy

Situated Learning

Narrative Pedagogy
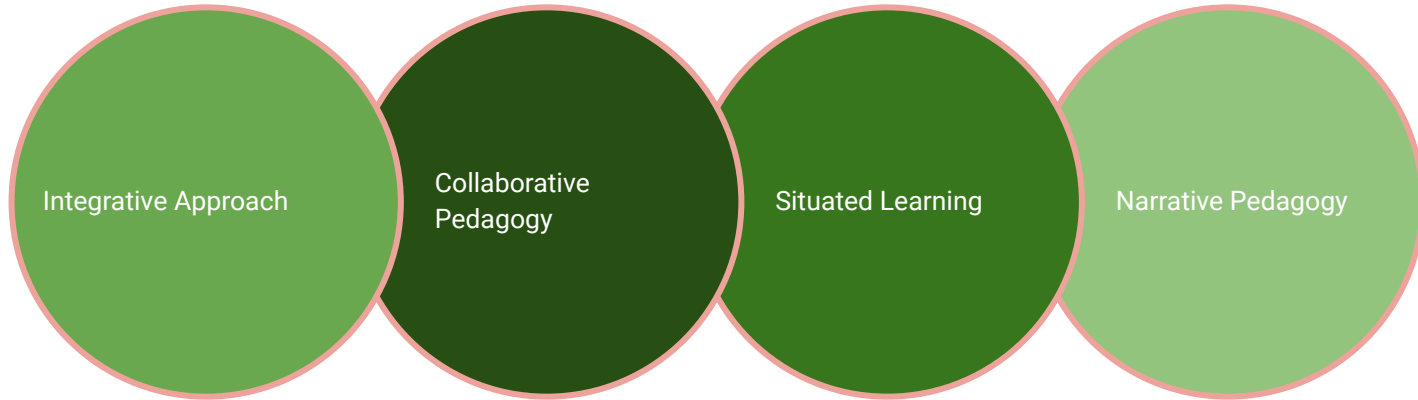
Let's look at a few

The Integrative Approach

Brief: Connects subject areas and applies knowledge across different contexts. Think interconnectivity along with real-world application.

Assignment types: Problem-based, Service-based, Project-based

Example:

"You and two friends would like to start a business to design web pages for corporate clients. You are an expert in finance, and your friends are experts in web-based programming and design. Each of you will put in $2,000 to start this business.

- How will content from this class guide you in setting up your business?
- What local entities will support you in registering and setting up your business?
- What will each entity do to facilitate success in your business? Itemize services and funds.

Tan, O. S. (2021). *Problem-based learning innovation: Using problems to power learning in the 21st century.* Gale Cengage Learning.

Situated Learning

Brief: Learning is context specific and most effectively done when embedded in the context in which it will be used.

Assignment types: Simulation, Game-based, Work-based

Example:

Diffusion-simulation online
Diffusion-simulation in-class

1) Outline the process you went through (online and in-class).
2) How was the in-class simulation different from the online?
3) Based on information from our class lectures #2 and #3, create and record a 5-minute presentation of yourself giving a brief on diffusion to a 12th grade physics class.

Narrative Pedagogy

Brief: Uses personal and collective stories to explore and understand complex issues and ideas. Engages students emotionally and intellectually, and provide a means for making sense of the world.

Assignment types: Role-play, Storytelling, Teaching

Example:

Have students prepare arguments for and against the Death with Dignity Act. Present in-class, or by video clips on a discussion board.

1) Using information presented in class, prepare three arguments for/against the act.
2) Reflection assignment (written or via video) on the groups strengths and weaknesses during the debate.
3) Peer-review.

Harbour, E., & Connick, J. (2005). *Role playing games and activities rules and tips.* https://www.businessballs.com/roleplayinggames.htm

Frameworks

- Using frameworks can provide exceptional guidance and innovation in teaching - with or without generative AI.
- Identify what works best for your classes.