

# Innovating Instructional Design Pedagogies: Integrating Generative AI into VoiceThread Presentations

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# Why Teach AI Responsibly in Instructional Design

- Generative AI is transforming how we design, teach, and learn.
- Educators must guide students to use AI *efficiently, ethically, and creatively.*
- Many learners adopt AI tools without critical understanding or design purpose.
- Goal of my project: help future instructional designers become thoughtful AI collaborators, not passive users.



## Idaho State University

#### Three Iterative Learning Cycles for Building AI Competency



#### **Exploration**

- Apply Universal Design for Learning (UDL)
- Experiment with AI for brainstorming, drafting, visuals

#### Refinement

- CRISP prompt-engineering
- Evaluating human vs. Al feedback
- Ethics reflection

#### **Application**

 Teach others how to use Chat GPT responsibly



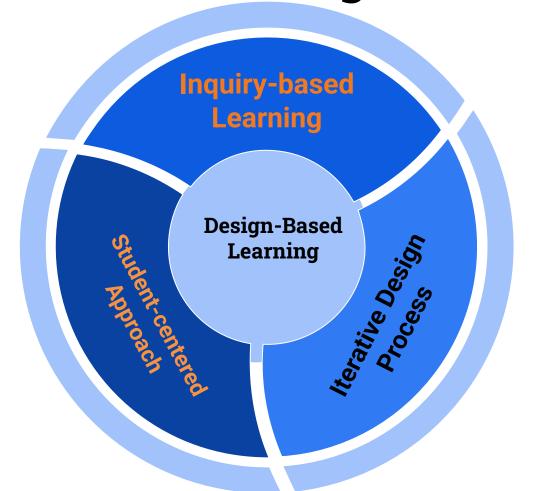


#### **VoiceThread Presentation Instruction**

	Cycle 1		Cycle 2		Cycle 3
1.	Slide 1: Title + introduction to UDL.	1.	Slide 1: Title + introduction to UDL.	1.	Title Slide: Topic, your name, and your
2.	<b>Slide 2–4:</b> Explain the three UDL principles with examples.	2.	<b>Slide 2–4:</b> Explain the three UDL principles with examples.	2.	intended audience.  Introduction: Why learning to use Chat GPT
3.	Slide 5: Application to online course design.	3.	Slide 5: Application to online course design		matters. 3–5. <b>Main Content Slides:</b> Teach your key points with examples or demonstrations.
4.	<b>Slide 6:</b> Your conclusions and implications for instructional design.		(Revise it based on prompt creation CRISP techniques).		
5.	Slide 7: Discussion Question for Peers	4.	Slide 6: Comparison Slide – Show Al's raw output, your revision, and explain why you	evision, and explain why you ected certain parts on the  and potential pitfalls.  4. Conclusion: Recap your key ideas.	<b>Ethical Use Slide:</b> Explain responsible use and potential pitfalls.
			revised or rejected certain parts on the Slide 5.		. , ,
		5.	Slide 7: Ethical Reflection – Identify one ethical concern about AI in instructional design (e.g., bias, originality, accessibility).	5.	thought-provoking question for peers to respond to on VoiceThread.
		6.	<b>Slide 8:</b> Your conclusions and implications for instructional design.		
		7.	Slide 9: Pose a discussion question for peers.		ROAR



# Core Pedagogical Frame: Design-Based Learning





## **Scaffolding Across Cycles**

Cycle 1	
Reading on UDL A reading on Al and Machine Learning Tutorial videos on UDL Tutorial on How to use VoiceThread Videos on AL and ML Video on Foundations of Generative Al Structured template	



#### Situated Learning

- Tasks mirror real work of instructional designers: designing online learning with UDL, prompt engineering, ethics.
- Students perform professional roles rather than classroom exercises.





#### **Reflective Practice**

Cycle 1	Cycle 2	Cycle 3
How you used AI in brainstorming, drafting/editing and visual generation?  What you found useful?  What you found problematic?	<ol> <li>How does the scaffolding (Crisp prompt creation framework, videos, articles) provided in this module help you refine the presentation?</li> <li>What revisions did you make to AI outputs, give specific examples and why?</li> </ol>	<ol> <li>How has ChatGPT been used to design this learning activity?</li> <li>What instructional design principles do you suggest to help other instructional designers or educators to design a learning activity with the assistance of generative AI?</li> </ol>
	3. How did human vs. AI peer feedback differ? please tell us what AI said, what you said and what is your judgement.	
	4. What ethical issues do you see in using AI for instructional design, give specific examples?	



#### **Collaborative Learning**

- Answer the questions posed in the last slide of peers
- Comment Comment on at least two peers' VoiceThread including:
  - Questions about how they applied UDL.
  - Suggestions for improvement.
  - Observations about how they used AI differently.
- Provide peer feedback on slide 5 and ask AI to provide feedback, and compare the feedback between human and AI.





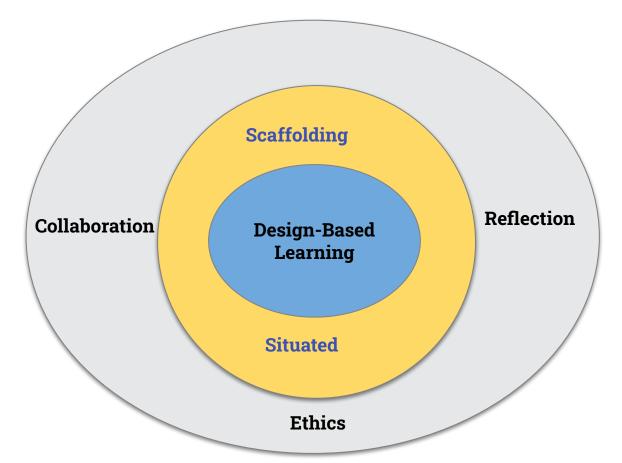
#### **Ethical Pedagogy**

- Students analyze bias, originality, accessibility.
- Ethics integrated into design, not added at the end.
- Builds a sense of *professional responsibility* in AI use.





## Integrated Model to Develop Responsible AI Competency







#### Students' Reflection on the Learning Activity

**S1**: Looking at this three-week learning activity from an instructional designer perspective, there are definitely things that were done well and areas for improvement. What worked well was the **iterative approach** – having us work on the same project across multiple cycles. It was interesting to build on previous work and see how AI could be used at different stages of the design process, and honestly, it made the task more complex and realistic in a good way.

**S2**: I loved the scaffolding in these assignments. Week one started us out just testing the waters with AI with no real instructions on how to best use it. Week 2 showed us how to get better responses with better prompts and I thought that was really helpful and a great way to scaffold the learning. Wrapping it up with explaining AI and its uses to our own audience was a great way to end the learning activity.





#### **Key Takeaways**

- 1. Students learn with AI, not just about AI.
- 2. Pedagogies of design, reflection, and ethics cultivate critical use.
- 3. Iterative cycles help move from dependence to discernment.
- 4. Teaching AI literacy is not about tools—it's about thinking.







### Any questions or concerns?

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