

SUPRA-BADGE:	Planning & Analysis
SUB-BADGE:	Analyze Technologies
CHALLENGE:	Analyze the characteristics of existing and emerging technologies and their potential use.
ARTIFACT:	Discussion post developed for EDCI 513: Foundations of Learning Design and Technology: An Introduction to the Field (Fall 2025) titled "Using ARCHED Framework to Ensure Responsible Use of AI in Instructional Design"
CRITERIA:	Criteria for successful completion of this challenge: Evidence of describing emerging technologies and evaluating the benefits and limitations of the tool's usage. Reflection must address: How you determined the use of a piece of technology and described its potential use or non-use. <i>Examples:</i> Course discussions on emerging techs (EDCI 577, EDCI 568, EDCI 564), Applied Technology Project (EDCI 564), Final EDCI 513 paper - if focused on the use of a technology, artifacts showing benefits/limitations of tool usage or selection (design, performance, workplace, educational, other).

Reflection

I. Competency and Artifact Identification

The competency for this challenge is analyzing the characteristics of existing and emerging technologies and their potential use as part of the Planning and Analysis supra-badge. The artifact I selected is my discussion post, **Using the ARCHED Framework to Ensure Responsible Use of AI in Instructional Design**, completed for **EDCI 513: Foundations of Learning Design and Technology: An Introduction to the Field (Fall 2025)**. In this assignment, I examined the ARCHED (AI Human-Centered Framework for Transparent, Responsible, and Collaborative AI-Assisted Instructional Design) framework and evaluated how artificial intelligence can be thoughtfully integrated into instructional design. Rather than focusing solely on AI's capabilities, the discussion required me to analyze its instructional applications, ethical considerations, and potential limitations. This artifact demonstrates my ability to critically evaluate an emerging technology before determining its appropriate role within a learning environment.

II. Description of How the Artifact Supports the Competency

This artifact supports the competency by demonstrating my ability to evaluate both the opportunities and challenges associated with an emerging instructional technology. While reviewing the ARCHED framework, I analyzed how AI can improve instructional design by generating ideas, increasing efficiency, and assisting with content development while emphasizing that instructional designers must maintain responsibility for reviewing, refining, and validating AI-generated materials. I also considered the framework's emphasis on transparency, human oversight, and ethical decision-making to ensure instructional quality and learner trust. Instead of viewing AI as a replacement for instructional designers, I evaluated it as a collaborative tool whose effectiveness depends on thoughtful implementation and alignment with instructional goals. This experience strengthened my ability to examine emerging technologies critically before deciding whether they are appropriate for a specific instructional context.

III. Competency Alignment with Prior Knowledge and Experience

Before beginning the Learning Design and Technology program, I regularly incorporated technology into clinical practice as a speech-language pathologist. However, my focus was primarily on selecting technology that met individual patient needs rather than systematically evaluating emerging technologies from an instructional design perspective. This assignment introduced me to a structured framework for analyzing technology beyond its features by considering transparency, collaboration, ethics, and the continued role of human expertise. I learned that effective instructional technology decisions require balancing innovation with instructional effectiveness, learner needs, and responsible implementation. This experience broadened my perspective and strengthened my ability to critically evaluate new technologies before integrating them into instructional solutions.

IV. Reflection on Experiences

Completing this assignment changed the way I think about artificial intelligence in instructional design. Rather than viewing AI as a technology that may eventually replace instructional designers, I came to appreciate its value as a tool that can enhance creativity, efficiency, and productivity when guided by sound instructional principles and human judgment. The ARCHED framework reinforced that successful technology integration depends on balancing innovation with transparency, ethical responsibility, and learner-centered design. This experience strengthened my confidence in evaluating emerging technologies thoughtfully instead of adopting them simply because they are new. **As new technologies continue to emerge, I plan to remain an informed and critical consumer rather than adopting tools simply because they are innovative or popular. I will continue evaluating emerging technologies through the lens of instructional effectiveness, accessibility, ethical responsibility, and learner needs so that technology enhances the learning experience while supporting meaningful instructional outcomes.**