

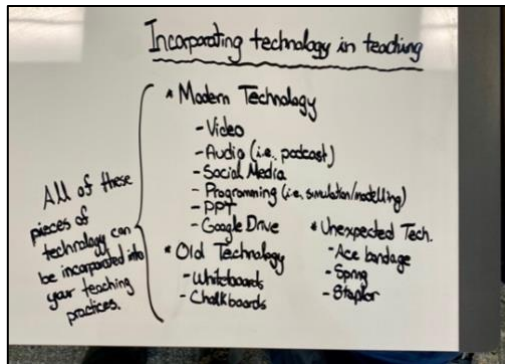
Incorporating Technology into Your Teaching

Competency Information

Competency Description Integrating technology into teaching requires instructors to carefully align educational technologies with the course modality and student learning styles. By considering their students' unique needs and preferences, instructors can choose from a range of tools to support the communication and reinforcement of learning material. Postsecondary instructors must be well-versed in the various technologies available to understand their benefits/limitations and select the most appropriate tools to achieve their learning objectives. By doing so, instructors can create engaging and interactive learning experiences that cater to the diverse learning needs of their students.

Competency Development To enhance my proficiency in incorporating technology into teaching practices, I enrolled in the College Teaching Institute (CTI, a three-day workshop) in the spring of 2022. During the workshop, I received comprehensive training on leveraging technology tools effectively to create engaging learning material that fosters student success. Through interactive presentations and hands-on activities, I learned how to use various technology tools to enhance student learning and create more dynamic learning experiences for students. The workshop equipped me with valuable skills and knowledge that I can apply in my future teaching endeavors to support my students' academic growth and success.

Artifact



Artifact 1. My whiteboard notes during a think-pair-share exercise with cooperative groups during the *Incorporating Technology in Teaching* lecture led by Dr. Rique Campa.

Written are different types of technologies spanning from band-aids and whiteboards to computer simulations.

Artifact Rationale

In today's technology-rich society, integrating technology into teaching is essential for 1) deepening students' understanding of threshold concepts or abstract ideas in the STEM discipline, 2) training them for future careers (i.e., programming or modelling), and 3) enabling instructors to efficiently track and respond to student performance. Technologies can span from ace bandages, to whiteboards, to computer simulations. The whiteboard notes outline the different types of technology that could be incorporated in a classroom. This artifact showcases my competency in aligning educational technologies with course objectives and student needs, illustrating my skill in creating an engaging and future-ready learning environment.

Interpretation / Reflection I developed a competency in Incorporating Technology in Teaching during the CTI workshop, which exposed me to various educational technologies and their application in learning environments. In a group activity, we were tasked with creating a learning activity using either low-, mid-, or high-tech tools, which taught me that anything can be a piece of "technology" if it aids the lesson. It was an exciting activity because I always thought of technology as analogous to electronics/internet but found that low-tech and mid-tech tools (i.e., rope, post-it notes, whiteboards, calculators) can support a lesson.

After the workshop, I reflected on applying these tools and plan to integrate them into future teaching practices, such as coding for model development and simulation, audio/visual aids to supplement lectures, and using whiteboarding to draw core concepts. These technologies will help support instruction and aid student learning.