

2022 ELATE Annual Teaching & Learning Conference

Strategy Exchange

Cooperative Formative Assessments

EDI & Teamwork

Team-based learning and group work can enhance the learning experience of students significantly, through discussing course content to gaining new knowledge to solving complex problems and projects. However, a number of challenges can arise if teams are not formed properly nor offered sufficient scaffolding to support ongoing learning and growth. This exchange will describe best practices for effective teamwork training in course-based contexts.

Facilitators: Faye Siluk & Renee Pellissier (E-IDEA Teamwork Initiative); Sidney Omelon (MIME)

Flipped Tutorials

Flipped learning is an instructional approach that makes extensive use of active learning to engage students in discussion, reflection, and problem solving. This exchange will describe the use of a flipped approach to tutorials, i.e., the flipped tutorial. Topics of discussion include: motivation and objectives; pre-tutorial preparation; in-class deployment; "to grade or not to grade"; and student feedback.

Facilitator: James Forbes (MECH)

Lab Videos

Short

Instructional videos are often used to provide content to students prior to a class (e.g., in support of flipped learning) or to review a confusing topic following a class. Instructional videos can also be used in lab courses either to explain relevant background and content, or to highlight specific instruments and tools, as well as measurement techniques, experimental methods, and laboratory processes. This exchange will describe the how to plan, create, and use instructional videos in a lab course.

Facilitator: Stephanie Loeb (CIVE)

