

## Matching Pedagogy & Course Activities to Educational Technologies

This resource helps to match tools to teaching approaches in a course. Your course design might reflect a combination of common-sense approaches and theoretically driven design. At a glance, you can use this table to quickly identify relevant approaches that match your teaching style, preferred strategies, and context in which you teach; you can then map these approaches and relevant course activities to suggested tools. Our Instructional Technology Specialists are available to help you consider how to best leverage tools so that your course content is delivered to meet your instructional needs and student learning goals.

Approaches	Tools
<b>Active Learning:</b>	
Brainstorming	<a href="#">CourseLink Discussions</a> <a href="#">Web Conferencing</a> - white board & annotations <a href="#">One Drive shared documents</a>
Collaborative Learning <i>Ex: Think-pair-share with a given problem</i>	<a href="#">CourseLink Video Assignments</a> <a href="#">Web Conferencing</a> - breakout rooms
Debates and Panels	<a href="#">Web Conferencing tools</a> <a href="#">CourseLink Discussions</a>
Discussion Groups	<a href="#">Web Conferencing tools</a> – breakout rooms <a href="#">CourseLink Discussions</a> <a href="#">CourseLink Groups</a>
<b>Flipped Instruction</b> -link to resource <i>Enables synchronous class time to be spent on activities that focus on student success rather than instructor lecturing</i>	<a href="#">CourseLink Content</a> , paired with <a href="#">Release Conditions</a> <a href="#">Web based student response systems:</a> <a href="#">Combination of CourseLink Quiz tool + Discussion Board</a> Videos <a href="#">Web Conferencing tools</a> <a href="#">CourseLink Discussions</a> <a href="#">One Drive shared documents</a>
Group Work/Assignments	<a href="#">Microsoft Teams Meeting</a> (student-created) <a href="#">CourseLink Video Assignments</a> (instructor-created) <a href="#">One Drive shared documents</a>
Peer Assessment	<a href="#">PEAR tool</a> <a href="#">CourseLink Video Assignments</a>
Peer Instruction	<a href="#">Web based student response systems</a> <a href="#">Web Conferencing tools</a> – polling, breakout rooms

Approaches	Tools
	<a href="#">Asynchronous peer instruction</a> using CourseLink Quizzes & Discussions Videos <a href="#">Flipped Classrooms</a> <a href="#">CourseLink Discussions</a> <a href="#">One Drive shared documents</a>
Problem-based Learning	<a href="#">Web Conferencing tools</a> - breakout rooms <a href="#">CourseLink Video Assignments</a>
Seminars & Tutorials	<a href="#">Web Conferencing tools</a> – breakout rooms, polling, whiteboard, annotation <a href="#">CourseLink Discussions</a>
<b>Experiential Learning:</b>	
Experiments <i>Use experiments and/or data already            designed/available or have students design it and            then engage in each of the steps</i>	<a href="#">CourseLink Discussions</a> , for planning and feedback <a href="#">Virtual Labs</a> for variable manipulation and data collection <a href="#">CourseLink Dropbox</a> , for report
Virtual Labs	<a href="#">Virtual Labs</a>
Simulations	<a href="#">Virtual Labs</a>
Field Trips	<a href="#">GoPro camera</a> , to create immersive experience <a href="#">Gigapan Camera</a> <a href="#">Time lapse photography</a>
Project-based Learning <i>Ex: Simulated workplace scenario that students            work through</i>	CourseLink Virtual Classroom <a href="#">CourseLink Discussions</a> <a href="#">CourseLink Video Assignments</a> <a href="#">CourseLink Dropbox</a> for assignment write up/report
<b>Independent Study:</b>	
Individual Assignments	<a href="#">CourseLink Dropbox</a> <a href="#">CourseLink Turnitin Integration</a> <a href="#">CourseLink Rubrics</a>
Essays and Report Writing	<a href="#">CourseLink Dropbox</a> <a href="#">CourseLink Turnitin Integration</a> <a href="#">CourseLink Rubrics</a>
Research Projects	<a href="#">CourseLink Discussions</a> , for planning and feedback

Approaches	Tools
	<a href="#">CourseLink Video Assignments</a> <a href="#">Virtual Labs</a> for variable manipulation and data collection; <a href="#">CourseLink Groups</a> <a href="#">CourseLink Dropbox</a> <a href="#">CourseLink Rubrics</a>
Competency Based Education <i>Students movement through content in line with demonstration of mastery of defined skills</i>	<a href="#">CourseLink Content</a> (videos/discussions/Quiz tool etc). paired with <a href="#">Release Conditions</a> <a href="#">Lecture videos with embedded quizzes</a> <a href="#">CourseLink Quizzes</a> , to demonstrate mastery <a href="#">CourseLink Dropbox</a> , to demonstrate mastery
<b>Indirect Instruction:</b>	
Case Based Instruction <i>Present complex real life issues and have students apply critical thinking and demonstrate their understanding of possible scenarios and outcomes</i>	<a href="#">Web Conferencing tools</a> – breakout rooms, white board, annotations <a href="#">CourseLink Discussions</a>
Competency Based Education <i>Students movement through content in line with demonstration of mastery of defined skills</i>	<a href="#">CourseLink Content</a> (videos/discussions/Quiz tool etc). paired with <a href="#">Release Conditions</a> <a href="#">Lecture videos with embedded quizzes</a> <a href="#">CourseLink Quizzes</a> <a href="#">CourseLink Dropbox</a>
Inquiry-based Learning <i>A student-centered approach that allows students to ask and research their own questions related to course topics</i>	<a href="#">CourseLink Content</a> <a href="#">CourseLink Dropbox</a> , regular check-ins throughout the process <a href="#">CourseLink Virtual Classroom</a> , for check-ins
<b>Direct Facilitated Instruction:</b>	
Class Presentations or Demonstrations	<a href="#">Web Conferencing tools</a> <a href="#">CourseLink Video Assignments</a> <a href="#">CourseLink Discussions</a> , with attachments for asynchronous presentations
Differentiated Instruction <i>Teaching material using a variety of methods to allow students to access the material in the way that is best for them</i>	<a href="#">Release Conditions</a> <a href="#">Lecture videos with embedded quizzes</a> <a href="#">Web Conferencing</a> – record and share Web-based student response systems Additional content beyond lecture ( <i>i.e.</i> , textbook, journal articles, etc.)

Approaches	Tools
Lectures	<a href="#">Studio in a Box</a> <a href="#">CourseLink Content</a> Synchronous <a href="#">Web Conferencing tools</a> Asynchronous <a href="#">Voice-over PowerPoint</a> <a href="#">Web Conferencing tools</a> <a href="#">Screencast-o-matic</a>