

Handout: Online Active Learning Strategies and Tools

Here is a table that provides examples of assessment strategies and indicates tools that can be used to implement those activities.

Some of the strategies are **formative**, i.e., to inform instructors of the level of students' understanding, strengths and weaknesses at the current moment, and to highlight changes to be made to the instructional process.

Other strategies are **summative**, i.e., indicate the level at which students achieved the expectations for their learning set by the instructor.

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Writing Skills Assessment Strategies

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
One-minute post	✓	Canvas Discussion		Canvas Discussion Canvas Assignment
Muddiest point post	✓	Canvas Discussion		Canvas Discussion Canvas Assignment
Paraphrase	✓	Canvas Discussion		Canvas Discussion Canvas Assignment

				Canvas Quiz (Essay question)
Critical reaction to idea	✓	Canvas Discussion Voicethread	✓	Canvas Discussion
Reflections and summaries	✓	Google doc	✓	Canvas Discussion Canvas Assignment
Journals	✓	Canvas Page Google doc	✓	Canvas Discussion Canvas Assignment
Final paper			✓	Canvas Assignment
Literature Review	✓	Google doc	✓	Canvas Assignment
Essays	✓	Google doc	✓	Canvas Assignment
PDF Annotation	✓	Flipgrid Voicethread	✓	Voicethread

Analytical Skills Assessment

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
Case study analysis	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Diagnosis	✓	Google slides Google doc	✓	Canvas Discussion Canvas Assignment

		Google hangout Zoom Canvas Groups space		Voicethread
Problem set	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Lab reports	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Hypothetical Situation	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Inductive Reasoning	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Document Analysis	✓	Google slides Google doc Google hangout Zoom Canvas Groups space	✓	Canvas Discussion Canvas Assignment Voicethread
Concept Mapping	✓	Canvas Discussion Zoom <ul style="list-style-type: none"> • Zoom Whiteboard 		

Group Work Assessment

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
One-minute video post	✓	Flipgrid Voicethread Canvas Discussion		Canvas Discussion Canvas Assignment
Muddiest point video post	✓	Flipgrid Voicethread Canvas Discussion		Canvas Discussion Canvas Assignment
Paraphrase video post	✓	Flipgrid Voicethread Canvas Discussion		Canvas Discussion Canvas Assignment
Critical reaction to idea (video)	✓	Flipgrid Voicethread Canvas Discussion	✓	Canvas Discussion Canvas Assignment
Group paper	✓	Google slides Google doc	✓	Canvas Assignment
Collaborative problem-solving	✓	Zoom <ul style="list-style-type: none"> Zoom Whiteboard Zoom breakouts Google Jamboard Google slides Google doc	✓	Canvas Assignment
Fishbowl	✓	Zoom <ul style="list-style-type: none"> Zoom Whiteboard Zoom breakouts Google Jamboard Google slides Google doc		

Group discussion	✓	Zoom <ul style="list-style-type: none"> • Zoom Whiteboard • Zoom breakouts Google Jamboard Google slides Google doc	✓	Canvas Discussion Canvas Assignment
Group Debugging	✓	Zoom <ul style="list-style-type: none"> • Zoom Whiteboard • Zoom breakouts Google Jamboard Google slides Google doc Google hangout Canvas Discussion	✓	Canvas Discussion Canvas Assignment
Group Problem Solving	✓	Zoom <ul style="list-style-type: none"> • Zoom Whiteboard • Zoom breakouts Google Jamboard Google slides Google doc Google hangout Canvas Discussion	✓	Canvas Discussion Canvas Assignment
Group Report	✓	Zoom <ul style="list-style-type: none"> • Zoom Whiteboard • Zoom breakouts Google Jamboard Google hangout Google slides Google doc	✓	Canvas Discussion Canvas Assignment
Role play	✓	Zoom <ul style="list-style-type: none"> • Zoom Whiteboard • Zoom breakouts Canvas Discussion		
Peer Review			✓	Canvas Assignment
PDF Annotation		Flipgrid Voicethread		

Video Annotation		Video Ant		
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Performance Assessment

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
Competency evaluation	✓	Zoom Skype * Google hangout Kaltura Media gallery	✓	Canvas video assignment
Interview	✓	Zoom Skype Google hangout	✓	
Sign language skills	✓	Zoom Skype * Flipgrid Kaltura Media gallery	✓	Voicethread Canvas video assignment Canvas Discussion
Presentation	✓	Zoom Google hangout Voicethread Kaltura Media gallery	✓	Voicethread Canvas video assignment Canvas Discussion
Skill mastery/Drill	✓	Zoom Skype * Kaltura Media gallery Google hangout		Canvas Assignment
Poster session	✓	Zoom Google hangout Voicethread Flipgrid	✓	Voicethread Canvas Discussion

Performance video	✓	Flipgrid Zoom Google hangout Kaltura Media gallery	✓	Voicethread Canvas video assignment
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Competency and Mastery Assessment

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
Just-in-time quiz	✓	Kaltura In-video quiz Qualtrics Canvas Quick check with Design Tools		
Poll	✓	TurningPoint iClickers Zoom Poll Qualtrics Canvas Quiz (survey) Chime-In		
Practice quizzes	✓	Canvas Quiz Kaltura In-video quiz Qualtrics		
Self-checks	✓	Canvas Quiz Kaltura In-video quiz Qualtrics Canvas Quick check with Design Tools		
Open book exams	✓	Canvas Quiz	✓	Canvas Quiz Canvas Assignment

Take-home exam	✓	Canvas Quiz	✓	Canvas Quiz Canvas Assignment
Proctored exams			✓	Canvas Quiz Respondus Lockdown browser Proctorio ExamSoft

Online Labs and Field Experience Assessment

Assessment strategy	Formative Assessment		Summative Assessment	
	Informal, low stakes, ungraded	Tools to use	Formal, high stakes, graded	Tools to use
Laboratory Experiments	✓	Harvard labs Open Source Science labs Online Resources for Science Laboratories (POD)	✓	Canvas Assignment (for submission)