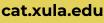
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Rethinking and Improving Online Tests in Brightspace

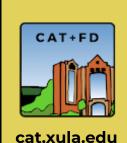
Ms. Janice Florent, Technology Coordinator Dr. Elizabeth Yost Hammer, Director



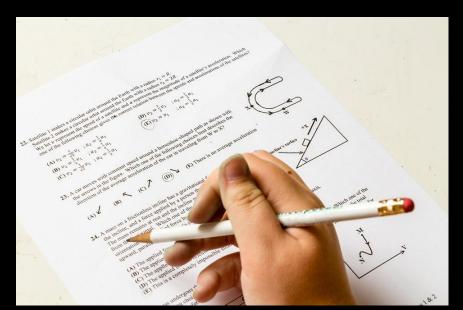


Quality Matters

- QM Standard 3 Assessment & Measurement
 - 3.1 The assessments measure the achievement of the stated learning objectives or competencies.
 - 3.2 The course grading policy is stated clearly at the beginning of the course.
 - 3.3. Specific and descriptive criteria are provided for the evaluation of learners' work, and their connection to the course grading policy is clearly explained.
 - 3.4 The assessments used are sequenced, varied, and suited to the level of the course.
 - 3.5 The course provides learners with multiple opportunities to track their learning progress with timely feedback.



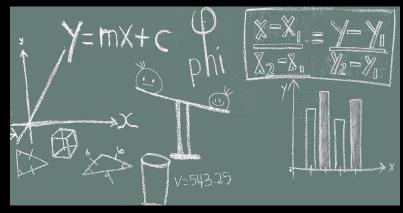
Backwards Design



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Authentic Assessments

- Assessment drives the curriculum
- Authentic approaches require judgment and innovation, asking students to proactively apply knowledge and skills in realistic contexts





Authentic Assessments

- An assignment is authentic if it
 - is realistic.
 - requires judgment and innovation.
 - asks the student to "do" the subject.
 - replicates or simulates the contexts in which adults are "tested" in the workplace or in civic or personal life.
 - assesses the student's ability to efficiently and effectively use a repertoire of knowledge and skills to negotiate a complex task.
 - allows appropriate opportunities to rehearse, practice, consult resources, and get feedback on and refine performances and products.





Produce new or original work

Design, assemble, construct, conjecture, develop, formulate, author, investigate

evaluate

Justify a stand or decision

appraise, argue, defend, judge, select, support, value, critique, weigh

analyze

Draw connections among ideas

differentiate, organize, relate, compare, contrast, distinguish, examine, experiment, question, test

apply

Use information in new situations

execute, implement, solve, use, demonstrate, interpret, operate, schedule, sketch

understand

Explain ideas or concepts

classify, describe, discuss, explain, identify, locate, recognize, report, select, translate

remember

Recall facts and basic concepts

define, duplicate, list, memorize, repeat, state



Vanderbilt University Center for Teaching



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Image Credit: "Bloom's Taxonomy" by Center for Teaching Vanderbilt University is licensed under CC BY 2.0

Traditional Multiple Choice Tests

 Often thought to only be useful for quick knowledge checks at the lower level of Bloom's Taxonomy





INSIDE HIGHER ED

Admissions Diversity Student Success Membersl

Advertise Hire Faculty & Staff

Live Updates Bethany College Puts Presidential Search on Pause

The DeSantis Higher Ed Bill U of California Bans Fully Online Degrees

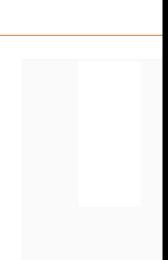
The Benefits of Higher-Order Multiple-Choice Tests

As instructors, we should rethink the premise that multiple-choice questions cannot meet the standards of authentic assessment, argues Eric Loepp. What if they could?

By Eric Loepp · Published June 23, 2021

In an excellent column, Ray Schroeder, senior fellow for the Association of Leaders in Online and Professional Education, laments the tendency for many instructors to rely on text-specific test banks as source material for student assessment. Not only are these inquiries susceptible to cheating, he says, they assess lower-order, nonlocalized and therefore less relevant knowledge like names and dates.





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Higher-Order Multiple Choice Tests

HOT Question

1. Assume the role of a newspaper editor selecting a headline for a story about the presidential primary.

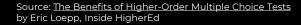
Review the results of the poll above, which newspaper headline most accurately describes the state of the Democratic primary race in Texas?

- A. "Sanders Polling Far Ahead of All Candidates Ahead of Texas Election"
- B. "Sanders and Biden Lead the Field, but No Clear Frontrunner"
- C. "Bloomberg's Poor Poll Performance Shows Money Does Not Matter in Primaries"
- "Warren Least Likely to Be Democratic Party Nominee in 2020"
- E. "Inconclusive Polls Suggest Texans Split Evenly Among Candidates"

Factual Question

- 1. What is the standard margin of error in a political poll?
 - A. +/- 2%
 - B. +/- 4%
 - C. +/- 6%
 - D. +/- 8%
 - E. There is no margin of error in a political poll.

HOT = Higher-Order Thinking



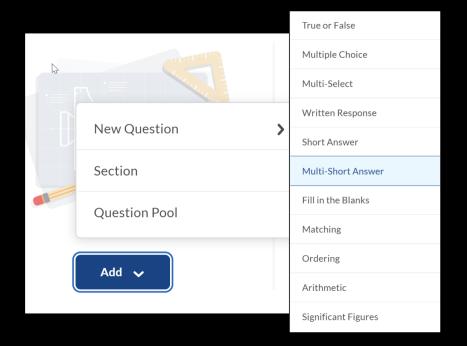


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Quizzes Tool

 Eleven Question Types allow you to test different levels of knowledge





True or False (T/F)

Multiple Choice (MC)

Multi-Select (M-S)

Written Response (WR)

Short Answer (SA)

Multi-Short Answer (MSA)

Fill in the Blanks (FIB)

Matching (MAT)

Ordering (ORD)

Arithmetic (2+2)

Significant Figures (x10)

Likert (LIK)

Most commonly used

Can not be automatically graded; instructor must grade this question type

Only available in Surveys



	T/F	MC	M-S	WR	SA	FIB	MAT	ORD	2+2	X10
Create				X						
Evaluate			X	X			X	X		
Analyze		X	X	X						
Apply		X		X		X	X	X	X	X
Understand		X	X		X	X				
Remember	X	X	X		X	X				

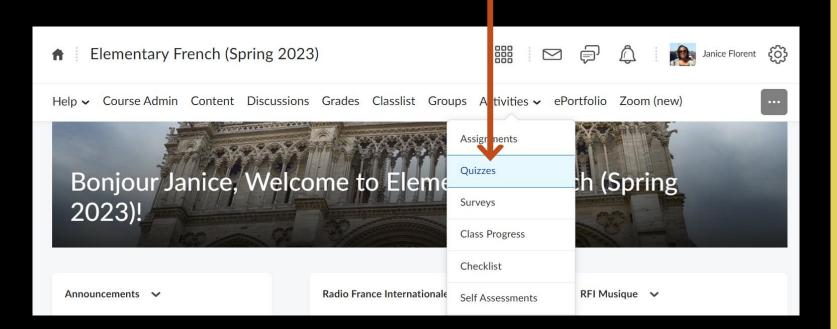
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ITS Help Center, Algonquin College cat.xula.edu

Source: Question Types & When to Use Them

Quizzes Tool



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New Quiz Creation Experience

Name * Untitled Grade Out Of Due Date	Availability Dates & Conditions Always available
D points Not in Grade Book ✓	Timing & Display
	Recommended time limit (120 minutes) Alerts and communication blocked
Questions	Attempts & Completion
Add Existing Create New	1 attempt allowed Completion tracking
Ready to begin adding quiz content?	Evaluation & Feedback
Click Add Existing or Create New to get started	Auto-publish results 1 result display
	1 result display

NOTE: You can switch between the new quiz creation experience and the old experience. The old experience is scheduled to be retired July 2023.

Faculty Development Center for the Advancement of Teaching &

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in Action



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Quiz Question Converter Tool

How do I access it?

Select the School Bus to take a guick ride to the Quiz Converter Tool.

Verified Members if the Brightspace Community can access the Learning Center when they are logged in. Select the link to the Learning Center from the Navigation Bar, or use the Quicklinks on articles like this one to navigate to a specific resource's location in the Learning Center.

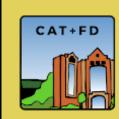
Access Quiz Question Converter Tool

This tool can be used directly from the Learning Center by selecting the following link, or by downloading the zip file found at the beginning of this article and imported into your own instance of Brightspace.

Stop on by the Learning Center



*Learning Center Access is provided to Instructors and Administrators who are currently using Brightspace. You must be signed into the Community with your School or Organization's email address to verify your access to freemium and premium Learning Center content.



- a) \$0
- b) \$20
- c) \$24
- d) \$48

Correct Answer

- 1. Tom, a shareholder, holds 200 shares of common stock of Q Corp. with a basis of \$24 per share, or a total basis of \$4,800. Q pays a 20% stock dividend (40 shares) that is nontaxable. What is Tom's new basis per share in the stock dividend?
- ?Consider the overall shares and total cost.
- a) \$0
- @@It does not follow that, because a stock dividend is nontaxable, such stock should have no basis.

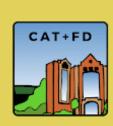
*b) \$20

- @@If a nontaxable stock dividend is paid in shares similar to the underlying stock, the allocation is done by simply dividing the basis of the original stock by the total number of shares (old shares plus those received as a dividend). The new basis per share of the 240 shares of common stock held after the stock dividend is \$20 (\$4,800 / 240 shares).
- c) \$24
- @@You calculated Tom's basis per share before the dividend. Calculation of the new basis must consider the stock dividend.
- d) \$48
- @@The new basis per share is not double the basis of the original shares. Remember, the stock dividend is not taxable to Tom and therefore dilutes his amount of basis per share.

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1. Tom, a shareholder, holds 200 shares of common stock of Q Corp. with a basis of \$24 per share, or a total basis of \$4,800. Q pays a 20% stock dividend (40 shares) that is nontaxable. What is Tom's new basis per share in the stock dividend?

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Hint

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- a) \$0
- b) \$20
- c) \$24
- d) \$48

- basis per share in the stock dividend?

 Consider the overall shares and total cost.
- a) \$0
- @@It does not follow that, because a stock dividend is nontaxable, such stock should have no basis.

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Feedback

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Review the results of the poll ab describes the state of the Demo

- A. "Sanders Polling Far Ahea
- B. "Sanders and Biden Lead t
- C. "Bloomberg's Poor Poll Pe Primaries"
- D. "Warren Least Likely to Be
- E. "Inconclusive Polls Sugges

1. Assume the role of a newspaper editor selecting a headline for a story about the presidential primary. Review the results of the Emerson College poll, conducted on Feb 29 – Mar 1, 2020 and is shown above. Which newspaper headline most accurately describes the state of the Democratic primary race in Texas?

?The margin of error is important when analyzing the results of a political poll.

- A. "Sanders Polling Far Ahead of All Candidates Ahead of Texas Election"
- @@The margin of error indicates that Sanders is not polling far ahead of Biden.
- *B. "Sanders and Biden Lead the Field, but No Clear Frontrunner"
- @@This headline most accurately describes the state of the Democratic primary race in Texas. The margin of error indicates that Sanders and Biden are leading the field, but neither is a clear front runner.
- C. "Bloomberg's Poor Poll Performance Shows Money Does Not Matter in Primaries"
- @@There is not enough information in this poll to come to this conclusion.
- D. "Warren Least Likely to Be Democratic Party Nominee in 2020"
- @@ It is incorrect to assume just by looking at this poll that Warren is not likely to be the democratic party nominee.
- E. "Inconclusive Polls Suggest Texans Split Evenly Among Candidates"
- @@The percentages do not indicate that Texans are evenly split among the candidates.

Advancement of



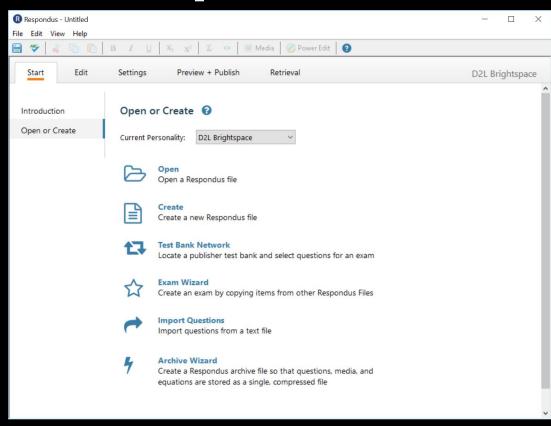
Quiz Question Converter Tool

Table of Contents > Quiz Question Converter > Quiz Question Converter Quiz Question Converter ~ **Quiz Question** · View Question Formatting Instructions. Converter Download Sample Question Text File This tool allows you to create a CSV file for import into the Brightspace Question Library. Paste the text for your quiz in the box. 1. Assume the role of a newspaper editor selecting a headline for a story about the presidential primary, Review the results of the Emerson College poll, conducted on Feb 29 -Mar 1, 2020 and is shown above. Which newspaper headline most accurately describes the state of the Democratic primary race in Texas? ?The margin of error is important when analyzing the results of a political poll. A. "Sanders Polling Far Ahead of All Candidates Ahead of Texas Election" @@The margin of error indicates that Sanders is not polling far ahead of Biden. *B. "Sanders and Biden Lead the Field, but No Clear Frontrunner" @@This headline most accurately describes the state of the Democratic primary race in Texas. The margin of error indicates that Sanders and Biden are leading the field, but neither C. "Bloomberg's Poor Poll Performance Shows Money Does Not Matter in Primaries" @@There is not enough information in this poll to come to this conclusion. D. "Warren Least Likely to Be Democratic Party Nominee in 2020" @@ It is incorrect to assume just by looking at this poll that Warren is not likely to be the democratic party nominee. E. "Inconclusive Polls Suggest Texans Split Evenly Among Candidates" @@The percentages do not indicate that Texans are evenly split among the candidates. **Options** Default point value for Default difficulty value Remove enumeration for each question: each question: from answers

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Respondus 4.0



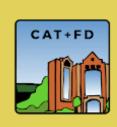
Email requests for the download link and license key to jflorent@xula.edu

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Understanding Grading Options for Question Types

- Multi-Select (M-S)
 - All or nothing
 - Right minus wrong
 - Correct answers

oints *	How are points assigned to blanks?	
1	All or Nothing	~
	All or Nothing	
	Correct Selections (0.25 pts per answer)	
	Correct Answers, Limited Selections (0.5 pts per correct answer)	
	Right Minus Wrong Selections (±0.25 pts per answer)	



Understanding Grading Options for Question Types

- Matching (MAT) and Ordering (ORD)
 - Equally weighted
 - All or nothing
 - Right minus wrong

Choices

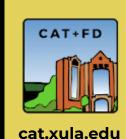
Grading



Equally weighted All or nothing



Right minus wrong



Center for the Advancement of

Understanding Grading Options for Question Types

- Short Answer (SA), Multi-Short Answer (MSA), and Fill in the blanks (FIB)
 - Case Insensitive
 - Case Sensitive
 - Regular Expression

Blank # 1:	Size: 30 V + Add Answer	1	Check Answers	
	Answer	Weight (%)	Evaluation	Remove
	Tasmania	50	Case Insensitive Case Sensitive Regular Expression	î



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Regular Expressions

Evaluate responses against a set of acceptable values

For example, the option for a correct answer of

gr[ae]y would consider "gray" and "grey" to be correct

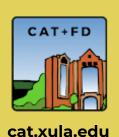
colo?r* would consider "color" and "colour" to be correct

Ta[s|z]mania would consider "Tasmania" and "Tazmania" to be correct



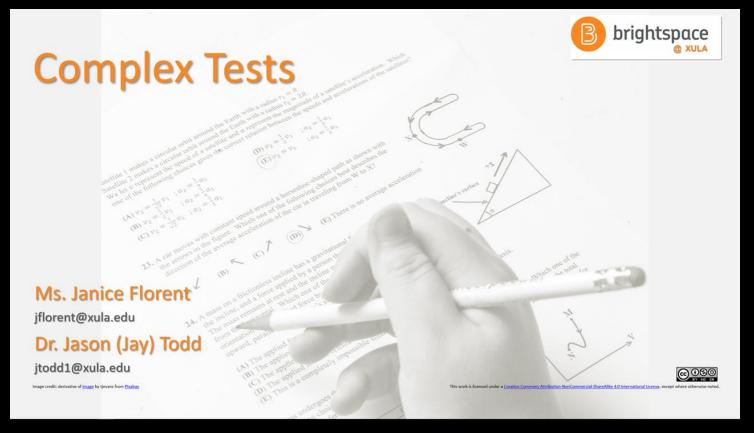
Question Library

- Create questions in the Question Library
- Create multiple sections within the Question Library to organize your questions by type and topic



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Complex Tests in Brightspace Workshop Recording



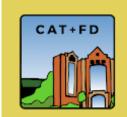


Check-in





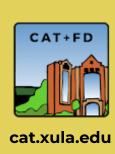




- In the **Grade Out of** section,
 - You can choose to Edit or Link to Existing, which links the quiz to an existing grade item, or
 - You can choose to Add to Grade Book to create a new grade item.

Name* Untitled		
S1-0-10		
Grade Out O		Due Date
0 points	Not in Grade Book 🗸 \varrho	Ħ M/D/YYYY
Description	Edit or Link to Existing	
	Add to Grade Book	





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- Preview quiz to see how it will look to your learners before releasing it to them
 - Doing so allows you to spot potential problems

Manage (Quizzes	Question Library	Statistics	LockDow	n Browser
New (Quiz	Edit Categories	More	Actions 🗸	
∅ Bull	k Edit	Ouizzes			
		g Objectives Quiz	~ #		
	Interact	ive Rubrics Quiz	Edit		
	Release	Conditions Quiz	Hide from U	sers	
	Intellige	nt Agents Quiz	Preview Delete		



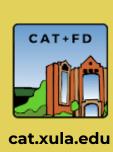


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- Create questions in Question Library
 - Good for organization and easy access
 - Questions created within the Quizzes,
 Surveys, and Self Assessments tools can be imported back into Question Library

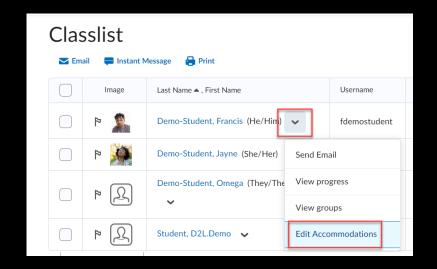
↑ Janice's Sandbox CO	Janic as Inst	e Florent		
Help ✓ Course Admin Content	Discussions Grades Classlist Groups Activities • ePortfolio Zoom (new)			
Manage Quizzes Question Library	Statistics LockDown Browser	Help		
New Quiz Edit Categories	More Actions 🗸			
	View: By Availability 🗸	Apply		
>> Bulk Edit				
Current Quizzes		Published		
Good Study Skills 1-11-2018 - Requires Respondus LockDown Browser + Webcam ✓				



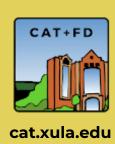


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- Set accommodations by learner for ALL quizzes in the Classlist
 - Simplifies the process of setting accommodations for quizzes







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- Create a Quiz Template with your standard quiz settings
 - Copy the template when creating a new quiz

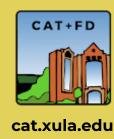
Manage (Quizzes	Question Library	Statistics	LockDowr	Browser
New	Quiz	Edit Categories	More A	ctions 🗸	
🏈 Bul	k Edit				
	Current	Quizzes			
	Quiz Te	mplate 🗸 💋			
	Quiz 1	∨ Edit			
		Make Visil	ble to Users		
		Preview			
		Delete			
		Сору			
		Grade			





- Quiz Results Displays / Submission Views
 - Consider creating a "Shutdown View"
 - If you are planning to copy a course with quizzes that have submission views into another course





- Design with accessibility in mind
 - Alt Text
 - Sans Serif fonts
 - Color Contrast

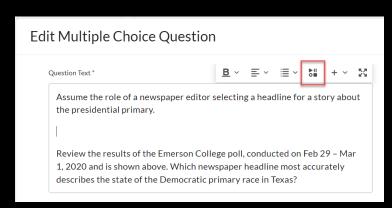


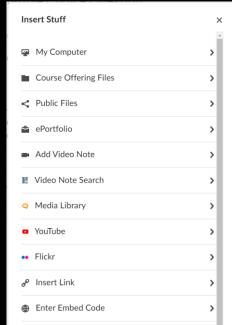


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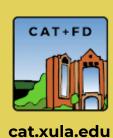
Online Tests Tip #8

 Use Insert Stuff to place media files into questions and answers







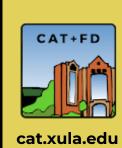


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Potential Pitfall #1

- Media file names and descriptions should not reveal the answers
- Alt Text/Link Text generic enough not to give away the answer, but have enough information for screen reader users to participate effectively and equitably

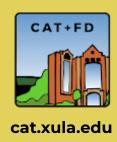
Insert Stuff My Computer Properties Source /content/enforced/6664-JaniceSandboxCO/2020-Texas-presidential-primary-poll2.jpg Link Text* 2020 Texas presidential primary poll Alternate Text* Poll shows Sanders 31%, Biden 26%, Bloomberg 16%	Media file name, Link text and ALT text	Insert Stuff My Computer Properties Source /content/enforced/6664-JaniceSandh Music-Appreciation-Audio-Clip1.mp3 Link Text* Audio Clip 1
This is decorative.		Auto Start Start playing automatically.



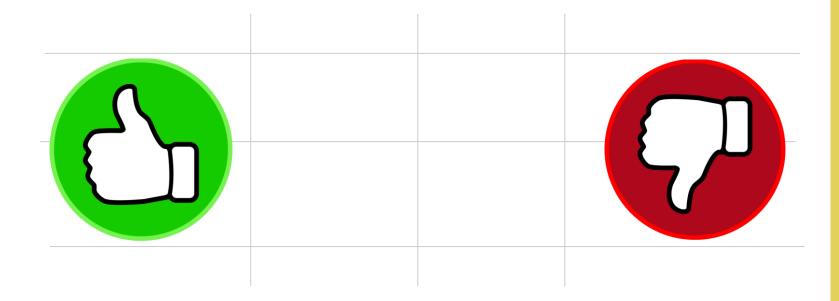
Potential Pitfall #2

- Media files copied and pasted into questions and answers may retain the filename
 - Inadvertently revealing the answer to the question in the file name

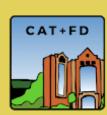




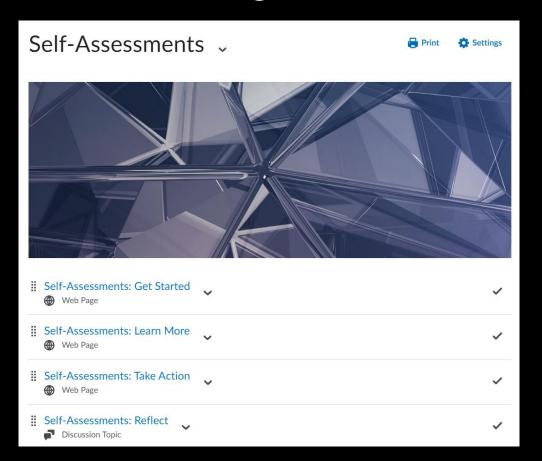
I see value in utilizing Online Tests in my courses.







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Workshop Slides, Recording, & Resources

https://catwiki.xula.edu/tests



SCAN ME



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