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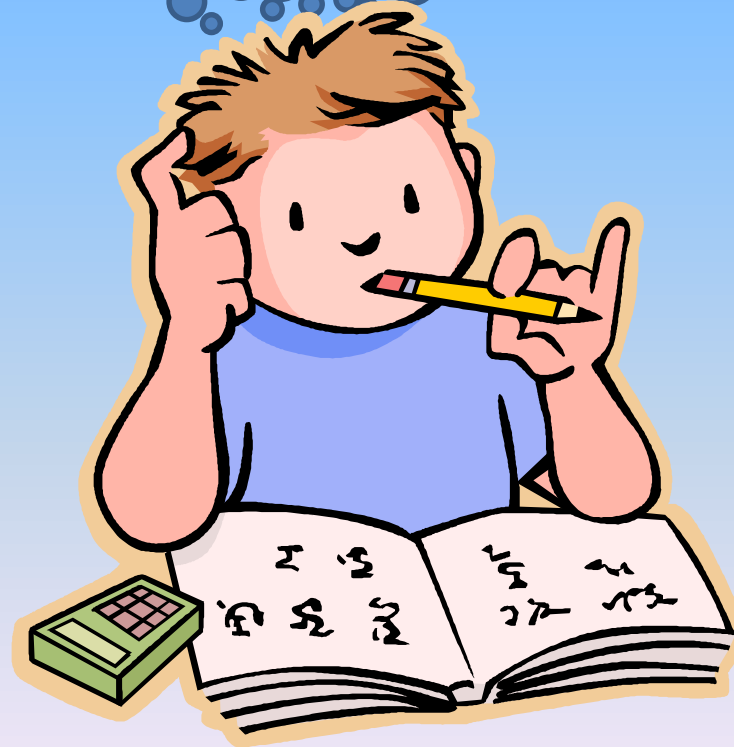
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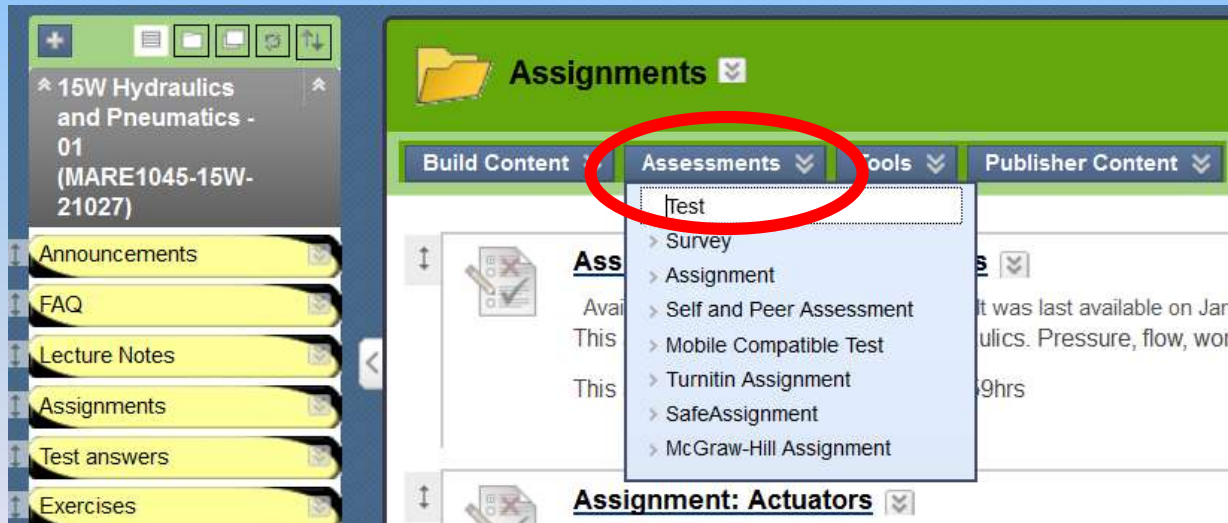
On-line Assignments and Tests using LMS

In the past I have given
them lots of practice
questions

But I have to grade
assignments and that
leaves less time for helping
students understand the
material

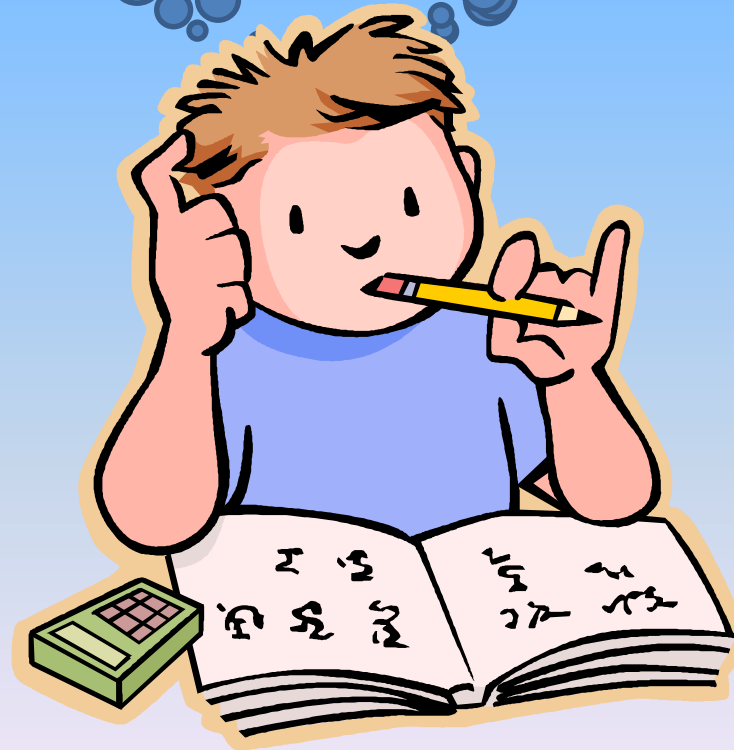


Many LMS have assessment tools that we can use to advantage. We can deploy on-line tests as assignments



But I don't really want
to "test" them I already
do in-class tests.

And how do I fix it so that
each student does their
own work and can't copy
someone else's answers



Requirements:

No manual marking

Allow multiple attempts

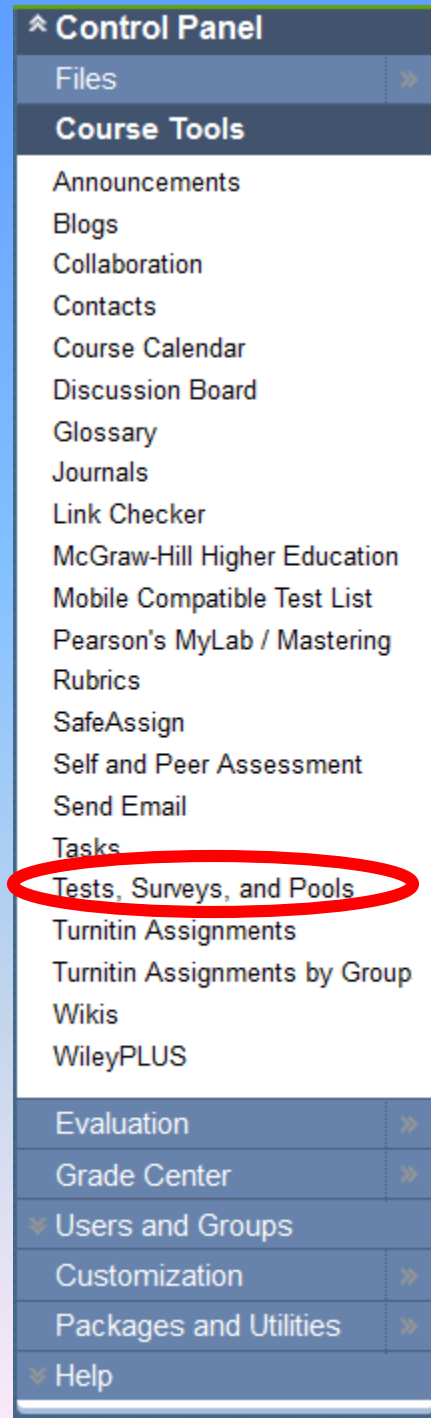
Provide feedback after each attempt

Each student receives different questions

Little chance of repeat questions

Record only the highest grade





The key to many of these issues is the construction of relatively large question pools to use in making up the assignments.



Tests, Surveys, and Pools

» Tests

Tests are sets of questions that are graded to measure student performance. Once a test is created here, it must be deployed within a content folder before student results are reviewed in the Grade Center. Note that some question types are not automatically graded.

» Surveys

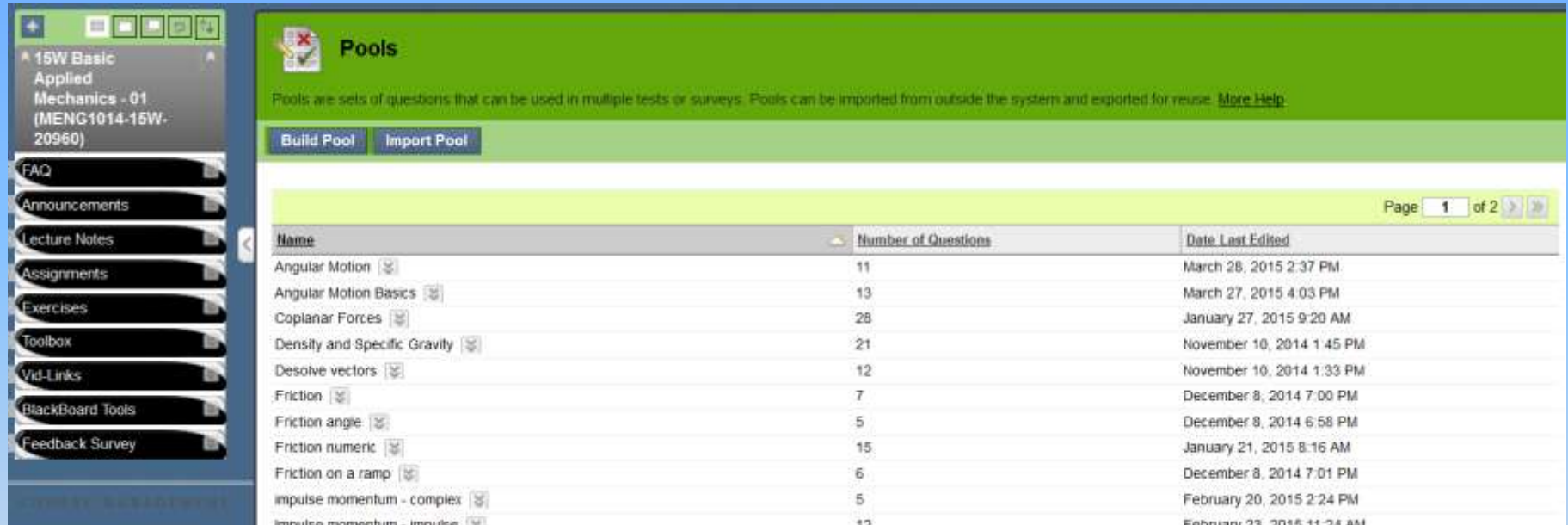
Surveys are not graded. They are useful for gathering data from students that is not used to evaluate student performance. Surveys must be deployed in a content folder before they are available to the survey.

» Pools

Pools are sets of questions that can be added to any Test or Survey. Pools are useful for storing questions and reusing them in more than one Test or Survey.

Question pools are sets of questions that can be added to any test. Question pools are useful for storing questions and reusing them in more than one test or assignment.

Question Pools

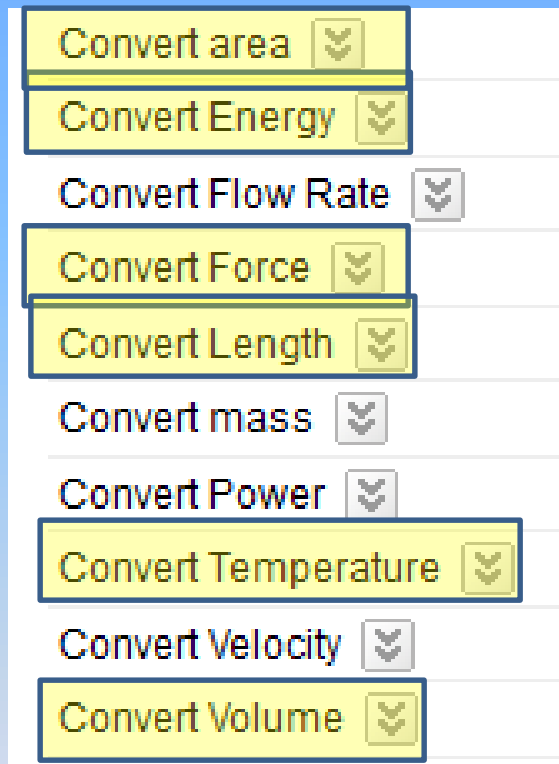


The screenshot displays the 'Pools' management interface. On the left is a sidebar with navigation links: '15W Basic Applied Mechanics - 01 (MENG1014-15W-20960)', 'FAQ', 'Announcements', 'Lecture Notes', 'Assignments', 'Exercises', 'Toolbox', 'Vid-Links', 'BlackBoard Tools', and 'Feedback Survey'. The main content area has a green header with the title 'Pools' and a description: 'Pools are sets of questions that can be used in multiple tests or surveys. Pools can be imported from outside the system and exported for reuse. [More Help](#)'. Below the header are two buttons: 'Build Pool' and 'Import Pool'. A table lists existing question pools with columns for Name, Number of Questions, and Date Last Edited. The table shows 12 pools related to angular motion and friction. A pagination bar at the top right indicates 'Page 1 of 2'.

Name	Number of Questions	Date Last Edited
Angular Motion	11	March 28, 2015 2:37 PM
Angular Motion Basics	13	March 27, 2015 4:03 PM
Coplanar Forces	28	January 27, 2015 9:20 AM
Density and Specific Gravity	21	November 10, 2014 1:45 PM
Desolve vectors	12	November 10, 2014 1:33 PM
Friction	7	December 8, 2014 7:00 PM
Friction angle	5	December 8, 2014 6:58 PM
Friction numeric	15	January 21, 2015 8:16 AM
Friction on a ramp	6	December 8, 2014 7:01 PM
impulse momentum - complex	5	February 20, 2015 2:24 PM
impulse momentum - impulse	12	February 23, 2015 11:24 AM

Building a library of question pools for specific concepts gives the flexibility to customize an assignment for a particular subject or classroom unit and gives the ability to weight the number of questions for each.

Question Pools





For a unit on conversions an assignment might include a random selection of questions from all of these pools


A unit on Newton's Laws might include only Force and Energy conversions

A unit on thermal expansion could include Temperature, Length, Area and Volume.

Example: Convert Temperature

 **Pool Canvas: Convert Temperature** 

The Pool Canvas presents an inventory list of questions that can be managed and searched. You can use the check boxes to select any or all questions and then delete them or change their points, or edit question

Create Question  **Find Questions** **Upload Questions**

Description

Instructions

Total Questions 8


Total Points 0


References [Click here to see a list of the Tests that reference this pool in a Random Block.](#)

Search current results:



Search current results:









Browse Criteria





 **Question types**

Criteria Summary
Question types **All Pool Questions**


 

<input type="checkbox"/>	<input type="checkbox"/>	Question Text	Question Type
<input type="checkbox"/>	<input type="checkbox"/>	Celcius to Kelvin: Convert [c]oC to Kelvin (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Kelvin to Celcius: Convert [k]K to degrees Celcius (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Fahrenheit to Rankine: Convert [f]oF to Rankine (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Rankine to Fahrenheit: Convert [r]R to Fahrenheit degrees. (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Rankine to Kelvin: Convert [r]R to Kelvin (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Kelvin to Rankine: Convert [k]K to Rankine. (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Fahrenheit to Celcius: Convert [f]oF to degrees C (one decimal place) 	Calculated Formula
<input type="checkbox"/>	<input type="checkbox"/>	Convert Celcius to Fahrenheit: Convert [c]oC to degrees F (one decimal place) 	Calculated Formula

Between Celsius, Fahrenheit, Rankin and Kelvin, there are 12 possibilities of conversion questions that could be asked.

Example: Convert Temperature

 **Create/Edit Calculated Formula Question**

A Calculated Formula question contains a formula with variables that change for each user. [More Help](#)

* Indicates a required field.

1. Question

Add question text that includes variables in square brackets [x] corresponding to variables in the formula that will be used to calculate the answer. Variables must consist of letters, but "pi" and "e" are reserved and cannot be used as variables. Click **Next** after completing the question.

Question Title:

* Question Text

Convert [f]°F to degrees C (one decimal place)

Path: p Words:10


* Answer Formula

General Functions

$(f - 32) \cdot \frac{100}{180}$

Calculated formula questions allow the generation of many many questions for generating large pools

Example: Convert Temperature

 **Create/Edit Calculated Formula Question**

A Calculated Formula question contains a formula with variables that change for each user. [More...](#)

1. Define Variables

	Variable Name	Minimum Value	Maximum Value	Decimal Places
1.	f	<input type="text" value="-85.0"/>	<input type="text" value="325.0"/>	<input type="text" value="1"/>

2. Answer Set Options

Decimal Places for Answer	<input type="text" value="1"/>
Number of Answer Sets	<input type="text" value="50"/>
Correct Answer Format	<input type="text" value="Normal"/>

In this case 50 different questions are generated based on converting temperatures in the range of -85°F to $+325^{\circ}\text{F}$

Example: Convert Temperature

	f	Answer	
1.	160.4	71.3 ± 0.1 (C)	Remove
2.	-25.3	-31.8 ± 0.1 (C)	Remove
3.	161.8	72.1 ± 0.1 (C)	Remove
4.	163.1	72.8 ± 0.1 (C)	Remove
5.	168.8	76 ± 0.1 (C)	Remove
6.	169.9	76.6 ± 0.1 (C)	Remove
7.	19.3	-7.1 ± 0.1 (C)	Remove
8.	-52.5	-46.9 ± 0.1 (C)	Remove
9.	124.9	51.6 ± 0.1 (C)	Remove
10.	284.2	140.1 ± 0.1 (C)	Remove
11.	174.4	79.1 ± 0.1 (C)	Remove
12.	122.2	50.1 ± 0.1 (C)	Remove
13.	14.4	-9.8 ± 0.1 (C)	Remove
14.	31.7	-0.2 ± 0.1 (C)	Remove
15.	-83.0	-63.9 ± 0.1 (C)	Remove
16.	289.4	143 ± 0.1 (C)	Remove
17.	3.7	-15.7 ± 0.1 (C)	Remove
18.	134.4	56.9 ± 0.1 (C)	Remove
19.	175.0	79.4 ± 0.1 (C)	Remove
20.	211.2	99.6 ± 0.1 (C)	Remove
21.	229.6	109.8 ± 0.1 (C)	Remove

The assignment draws a random question from the generated set.

With 50 versions of each of 12 possibilities, there are 600 questions in the pool.

If I assign 4 conversion questions, there is only a 1 in 150 chance of seeing the same question on any two assignments.

Example: Hot Spot

1. Question

Question Title

* Question Text

Paragraph
 Arial
 3 (12pt)
 [List Icons]
 [Text Icon]
 [Edit Icon]
 [Link Icon]
 [Unlink Icon]
 [Table Icon]
 [Image Icon]
 [Video Icon]
 [Audio Icon]
 [Code Icon]
 [HTML CSS]

Click on the Main System Relief valve that must be set at 4000 psi to ensure the hydraulic motor does not stall.

Path: p

2. Upload Image

* Attach File

Browse My Computer Browse Course

Selected File File Name Collomatic circuit.jpg

Do not attach

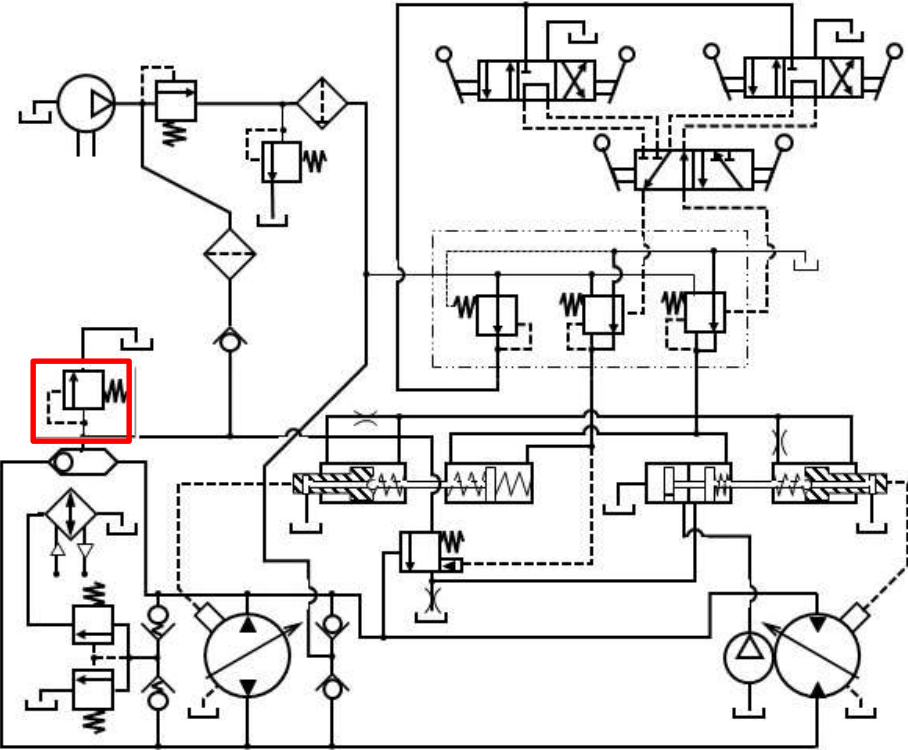
3. Submit Information

This is a “Hot Spot” question asking the student to identify a component on the hydraulic circuit

Example: Hot Spot

Answers

Click and drag the mouse over an area in the image to specify the hot spot area for the correct answer. Start with the



Top Left Coordinates 36, 248

Bottom Right Coordinates 100, 292

Clear

When setting up the question, the correct area of the diagram is identified with a mouse click and drag, and the student needs to click within that area to score a correct answer

Example: Hot Spot

Delete		Points	Update	Question Display
<input type="checkbox"/>	<input type="checkbox"/>	Question Text		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Main System Relief valve that must be set at 4000 psi to ensure ...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Charge Pump that ensures a positive pressure in the main power c...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Shiplside Control Valve		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Control Valve that protects the heat exchanger from ove...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Main Bent Axis Pump Servo control		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Main Bent Axis Motor Servo control		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Control Valves in the flow and pressure amplifier that ...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Four Way Three Position Directional Control Valve		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Check Valve that allows the charg pump to charge only the low pr...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Check Valve that ensures that 4000 psi does not reach the heat e...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Line Filter that removes contaminates from the oil ente...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure and Flow Amplifier manifold		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Control Valve that provides 150 psi to the power circuit		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Regulator component in the Pressure and Flow Amplifier ...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Pressure Control Valve which puts the pump into "Heave" mode		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the location of the screw adjustment that "zeros" the main bent axis...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Main Bent Axis Hydraulic Pump		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the Main Bent Axis Hydraulic Motor		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the hydraulic pump that unloads the main hydraulic motor in the even...		
<input type="checkbox"/>	<input type="checkbox"/>	Click on the 6 way 2 position Dorectional Control Valve that selects which sh...		

Questions can be copied and modified to quickly generate a larger pool.

In this case 20 questions were generated in less than 30 minutes by copy – edit

Publisher Pools

- Many publishers have pools of questions you can access if you are using their text.
- This will save considerable effort in building the question pools.
- Use whatever sources you can to build large pools of questions.
- Continuous improvement trumps postponed perfection.

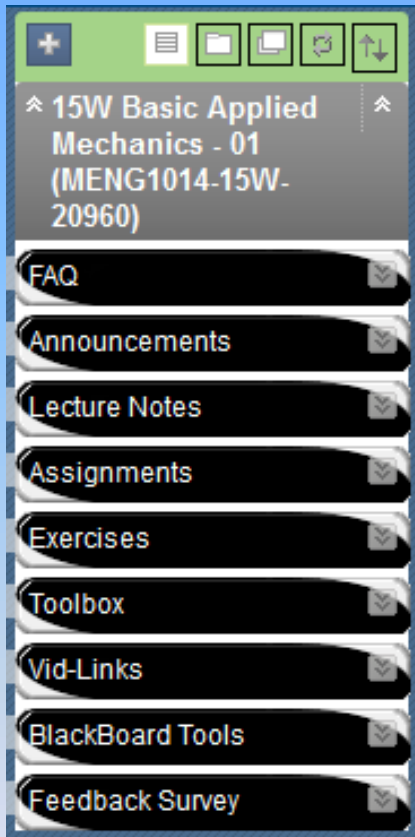
Archiving Pools

- Programs like Respondus do not handle calculated formula type questions.
- Archiving your pools will allow them to be imported into new courses or shared with colleagues.



OK so I have a library of
pools and questions,
how do I generate the
Assignments?

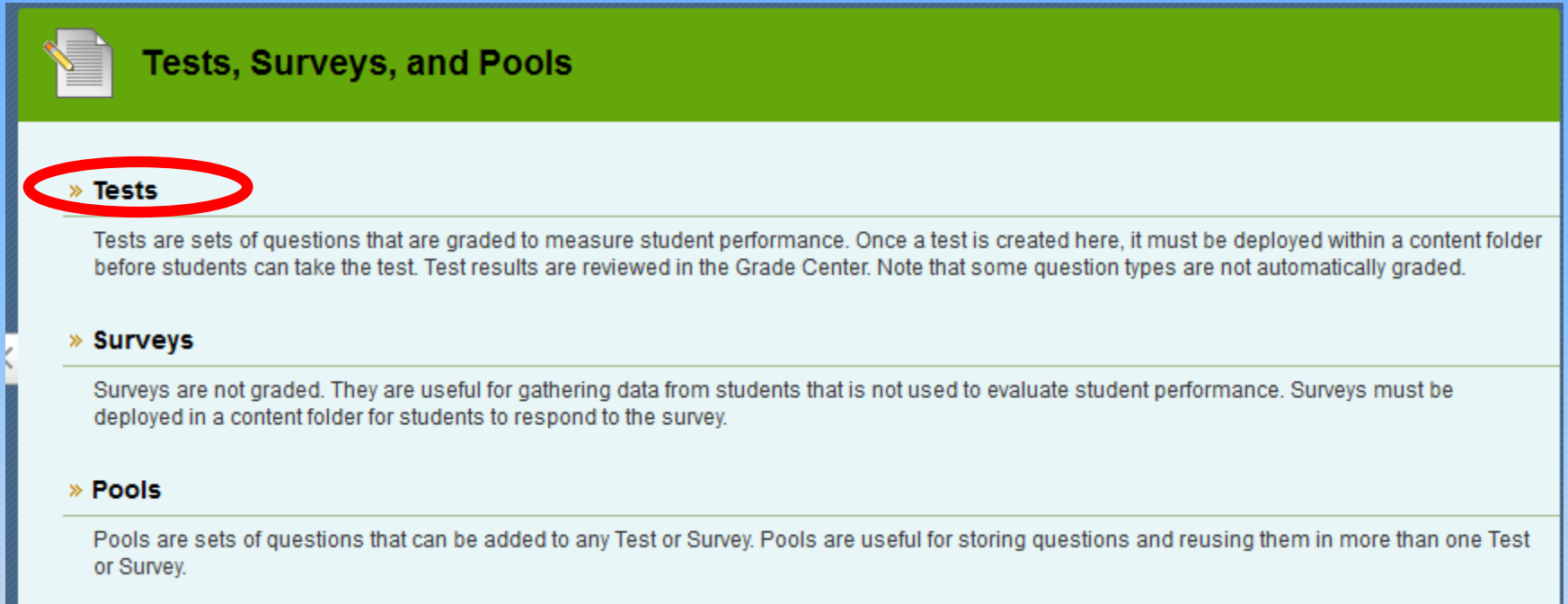
Generating Assignments



I set up an “Assignments” tab and put all the assignments in one place

Of course you can deploy an assignment in any folder that suits your preferred LMS layout.

Generating Assignments



The screenshot shows a user interface for creating assignments. At the top is a green header bar with a document icon and the text "Tests, Surveys, and Pools". Below this is a light blue area containing three sections: "Tests", "Surveys", and "Pools". The "Tests" section is highlighted with a red circle. Each section has a brief description of its function.

Tests, Surveys, and Pools

» **Tests**

Tests are sets of questions that are graded to measure student performance. Once a test is created here, it must be deployed within a content folder before students can take the test. Test results are reviewed in the Grade Center. Note that some question types are not automatically graded.

» **Surveys**

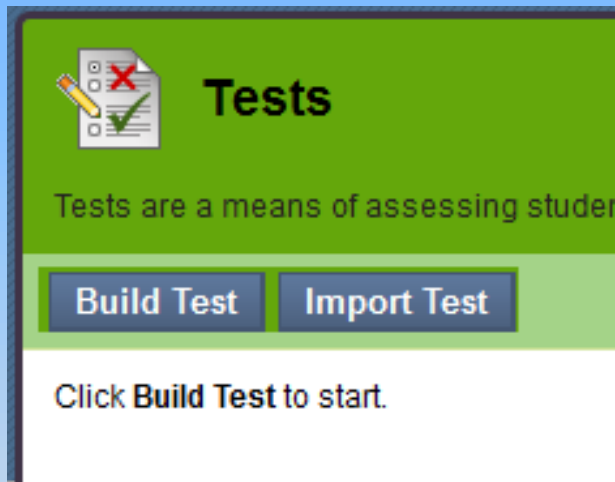
Surveys are not graded. They are useful for gathering data from students that is not used to evaluate student performance. Surveys must be deployed in a content folder for students to respond to the survey.

» **Pools**

Pools are sets of questions that can be added to any Test or Survey. Pools are useful for storing questions and reusing them in more than one Test or Survey.

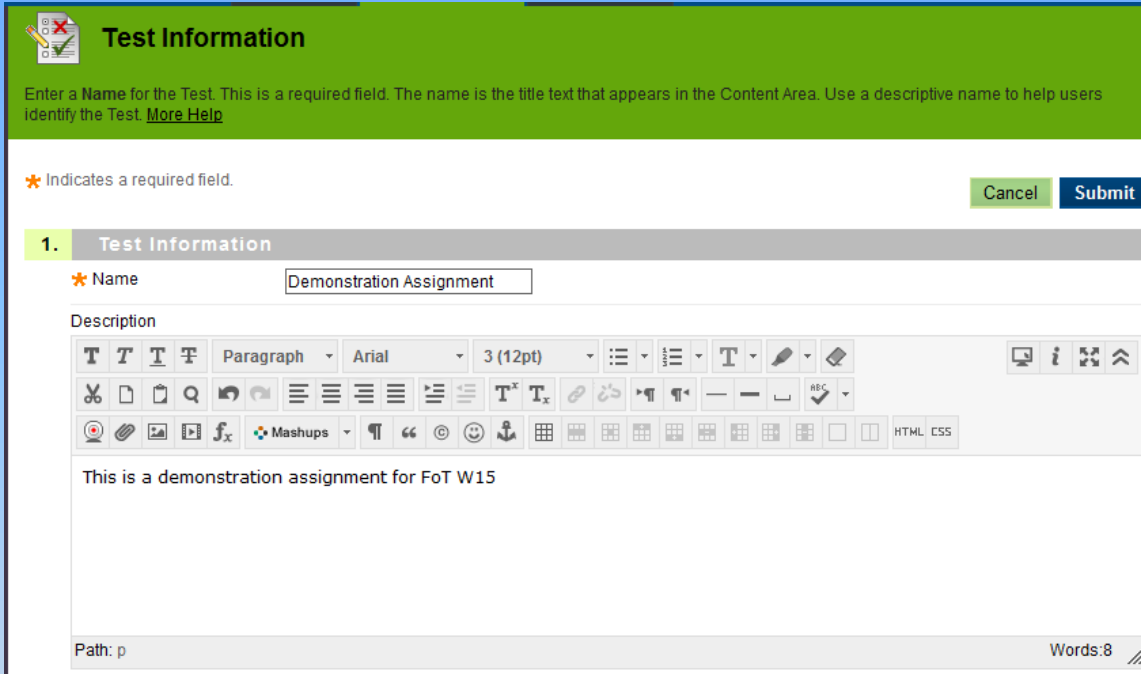
In “Tests, Surveys and Pools” Select “Tests” to set up your Assignment.

Generating Assignments



Either “Build Test” to generate a new version, or
“Import Test” to re-use one from an archive or from another location

Generating Assignments



The screenshot shows a 'Test Information' dialog box with a green header. Below the header, there is a text area for entering a name for the test, followed by a description area with a rich text editor. The name field is labeled 'Name' and contains the text 'Demonstration Assignment'. The description field is labeled 'Description' and contains the text 'This is a demonstration assignment for FoT W15'. The rich text editor includes various formatting tools like bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, indent, outdent, and a table builder. At the bottom, there is a 'Path' field and a 'Words' counter showing 'Words:8'.

Test Information

Enter a **Name** for the Test. This is a required field. The name is the title text that appears in the Content Area. Use a descriptive name to help users identify the Test. [More Help](#)

* Indicates a required field.

1. Test Information

* Name

Description

Formatting Tools: Paragraph, Arial, 3 (12pt), Bold, Italic, Underline, Text Color, Background Color, Bulleted List, Numbered List, Link, Unlink, Indent, Outdent, Table, HTML, CSS.

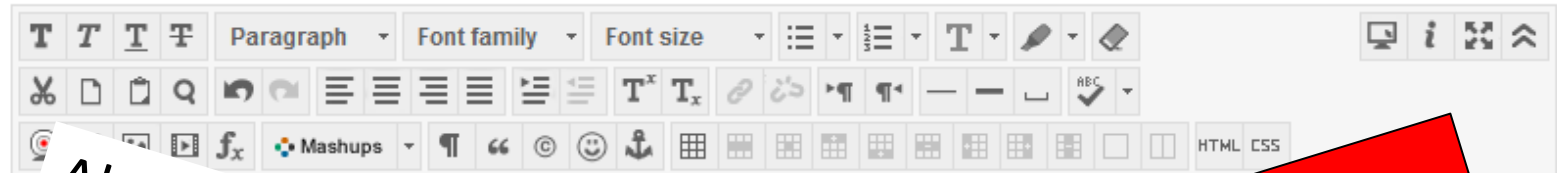
This is a demonstration assignment for FoT W15

Path: p Words:8

Selecting “Build Test” generates a dialogue screen where you can name the test, and provide a description both for the students and for yourself if you want to re-use it.

Instructions

Instructions



Although I have found that students at this assignment. Your highest grade will be the one received. You will not get the same questions as your classmates. The assignment will close at 2359 hrs on the due date. Any

Each assignment will have 10 questions. Please make sure to save your work. The assignment will close at 2359 hrs on the due date. Any

When you have completed the assignment, you can change any answer at any time up until you receive feedback. You will receive feedback on your answers marked wrong in the system. You can see the correct answers for each Assignment

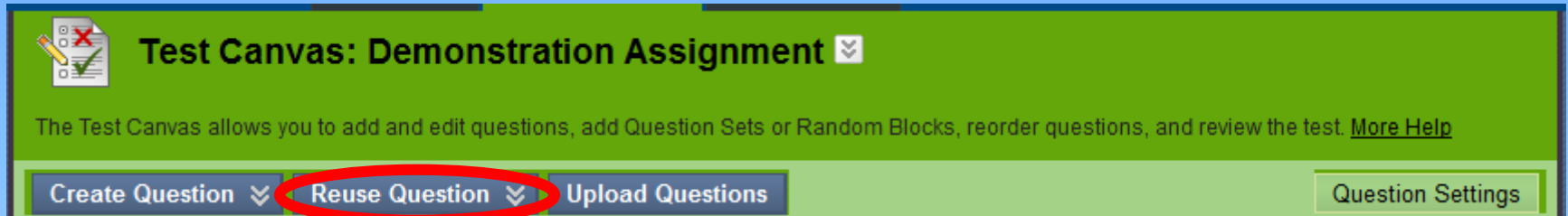
When you submit your answers they must be attached to the numerical answer. For example, 1000 kJ is not. Answers or units requiring an exponent should be expressed with an exponent. For example: cubic meters is expressed as m³. Use a slash to use a unit. For example: kilojoules per kilogram are designated as kJ/kg.

Although you may discuss your methodologies with others, each student is responsible for completing their own calculations and entering their results.

If you have any questions or concerns with this assignment, please see me for assistance.

Being lazy, I copy and paste these instructions from a Word document that I keep on file.

Generating Assignments

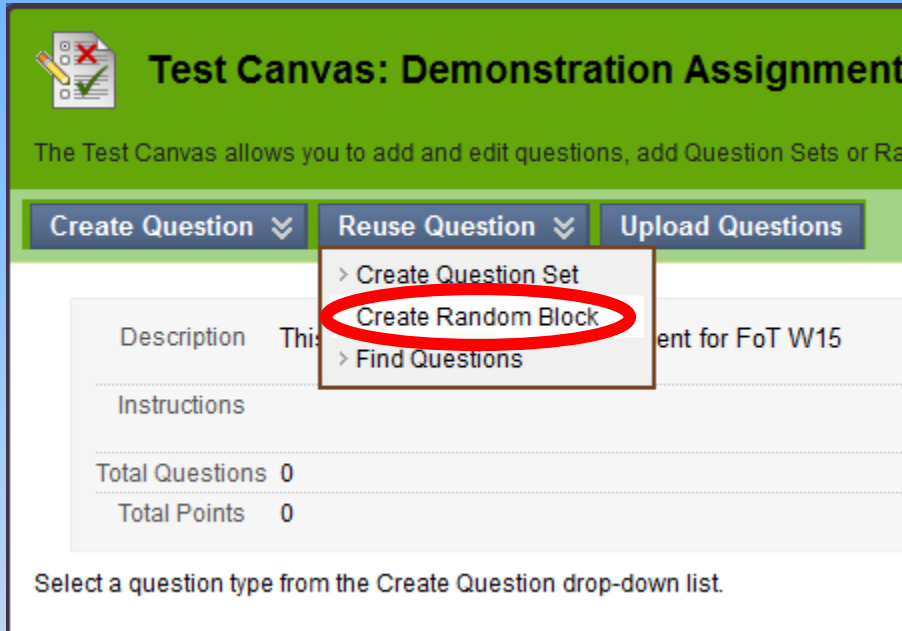


After submitting the test information, the “Test” can be generated.

Questions can be generated directly within the test, or uploaded from another test.

Select “Reuse Question” to access the question pools you have generated.

Generating Assignments



Creating a “Question Set” generates a specific set of questions from the pool.

Creating a “Random Block” selects different pool questions for each new assignment

Generating Assignments

The screenshot shows a web browser window titled 'Create Random Block - Mozilla Firefox'. The address bar shows a URL from 'gc.blackboard.com'. The main heading is 'Create Random Block'. Below it, a green box contains a description: 'A Random Block is a group of questions retrieved from a Question Pool. Questions are randomly retrieved from the selected Question Pool based on the question type and the number of questions available in the selected pool. [More Help](#)'. The interface is divided into two main sections: 'Choose Criteria' and 'Selected Criteria'. The 'Choose Criteria' section has a 'View' dropdown and a 'Reset to Default' button. Below this is a 'Pool' section with a list of physics topics, each with a checkbox: Convert area, Convert Energy, Convert Flow Rate, Convert Force, Density and Specific Gravity, Desolve vectors, Friction, Friction angle, Friction numeric, Friction on a ramp, Hydrostatics buoyancy, Hydrostatics manometers, Hydrostatics Pressure, Hydrostatics Pressure Force, Linear Motion Acceleration, Linear Motion Basics, Linear Motion Distance, and Linear Motion Velocity. The 'Selected Criteria' section contains instructions: 'To create a Random Block, browse and select a source pool and at least one question type. The questions matching your criteria will be shown here. When done, click Submit to create the Random Block on your Test canvas. The points per question and number of questions to use out of the block are set on the Test canvas.' At the bottom right, there are 'Cancel' and 'Submit' buttons.

A new dialogue box allows you to select the question pools to be used for the random block.

The system allows you to select multiple pools from which to generate questions for a random order presentation to the students.

Generating Assignments

The screenshot shows a web browser window titled "Create Random Block - Mozilla Firefox". The address bar displays the URL: <https://gc.blackboard.com/webapps/assessment/do/authoring/addQuestion?assessmentType=Test&questionType=RandomBlock§ionId=538223>.

The main heading is "Create Random Block". Below it, a green banner contains the text: "A Random Block is a group of questions retrieved from a Question Pool. Questions are randomly retrieved from the selected Question Pool based on the question type and the number of questions available in the selected pool. [More Help](#)".

The interface is divided into two main sections: "Choose Criteria" and "Selected Criteria".

Choose Criteria

Buttons: View, Reset to Default

Pool

- ☐ Convert area
- ☐ Convert Energy
- ☐ Convert Flow Rate
- ☐ Convert Force
- ☐ Density and Specific Gravity
- ☐ Desolve vectors
- ☐ Friction
- ☐ Friction angle
- ☐ Friction numeric
- ☐ Friction on a ramp
- ☐ Hydrostatics buoyancy
- ☐ Hydrostatics manometers
- ☐ Hydrostatics Pressure
- ☐ Hydrostatics Pressure Force
- ☐ Linear Motion Acceleration
- ☐ Linear Motion Basics
- ☐ Linear Motion Distance
- ☐ Linear Motion Velocity

Selected Criteria

To create a Random Block, browse and select a source pool and at least one question type. The questions matching your criteria will be shown here. When done, click Submit to create the Random Block on your Test canvas. The points per question and number of questions to use out of the block are set on the Test canvas.

Buttons: Cancel, Submit

Selecting individual pools gives opportunity to progress from simple to difficult, or to group questions by subject matter

Generating Assignments

Question types

- ☒ All Pool Questions
- ☐ Calculated Formula
- ☐ Calculated Numeric
- ☐ Either/Or
- ☐ Essay
- ☐ File Response
- ☐ Fill in Multiple Blanks
- ☐ Fill in the Blank
- ☐ Hot Spot
- ☐ Jumbled Sentence
- ☐ Matching
- ☐ Multiple Answer
- ☐ Multiple Choice
- ☐ Opinion Scale/Likert
- ☐ Ordering
- ☐ Quiz Bowl
- ☐ Short Answer
- ☐ True/False

The dialogue box also allows selection of specific question types from within the pool which might be good for selecting parts from large pools

Generating Assignments

Test Canvas: Demonstration Assignment ✓

The Test Canvas allows you to add and edit questions, add Question Sets or Random Blocks, reorder questions, and review the test. [More Help](#)

Create Question ▾ Reuse Question ▾ Upload Questions Question Settings ↕

Description This is a demonstration assignment for FoT W15

Instructions

Total Questions 1
Total Points 10

Select: [All](#) [None](#) | Select by Type: - Question Type - ▾

Delete Points Update Hide Question Details

1. Random Block ✓

Success: Random block saved. Edit number of questions to display and points.

Number of Questions to display: 1

Points per question: 10

Convert area

Question Types: All Pool Questions

Preview questions that match selected criteria

With the random block generated, select how many questions from the pool you want to use and the points to be allocated per question

Generating Assignments

The screenshot displays a web-based interface for creating a quiz assignment. It consists of four vertically stacked sections, each labeled '1. Random Block', '2. Random Block', '3. Random Block', and '4. Random Block'. Each section contains the following fields:

- Total Questions:** A text input field.
- Number of Questions to display:** A text input field.
- Source Pool:** A dropdown menu.
- Question Types:** A dropdown menu.
- Points per question:** A text input field.
- Total Points:** A text input field.
- Preview questions that match selected criteria:** A button.

For Block 1, the values are: Total Questions: 8, Number of Questions to display: 1, Source Pool: Convert area, Question Types: All Pool Questions, Points per question: 10, Total Points: 10.

For Block 2, the values are: Total Questions: 5, Number of Questions to display: 1, Source Pool: Convert Energy, Question Types: All Pool Questions, Points per question: 10, Total Points: 10.

For Block 3, the values are: Total Questions: 7, Number of Questions to display: 1, Source Pool: Convert Flow Rate, Question Types: All Pool Questions, Points per question: 10, Total Points: 10.


For Block 4, the values are: Total Questions: 4, Number of Questions to display: 1, Source Pool: Convert Force, Question Types: All Pool Questions, Points per question: 10, Total Points: 10.

A green success message is visible at the top of Block 4: 'Success: Random block saved. Edit number of questions to display and points.'

Generate as many random blocks in whatever order you wish to make up the question set for the assignment.


Generating Assignments

More Help'. Two buttons, 'Build Test' and 'Import Test', are visible. Below these is a table with columns: Name, Deployed, and Date Last Edited. The table contains one row: 'Demonstration Assignment' (with a dropdown arrow), 'No', and 'April 22, 2015 10:51 AM'. At the bottom right, it says 'Displaying 1 to 1 of 1 items' with 'Show All' and 'Edit Paging...' buttons." data-bbox="35 241 964 559"/>

 **Tests**

Tests are a means of assessing student performance. [More Help](#)

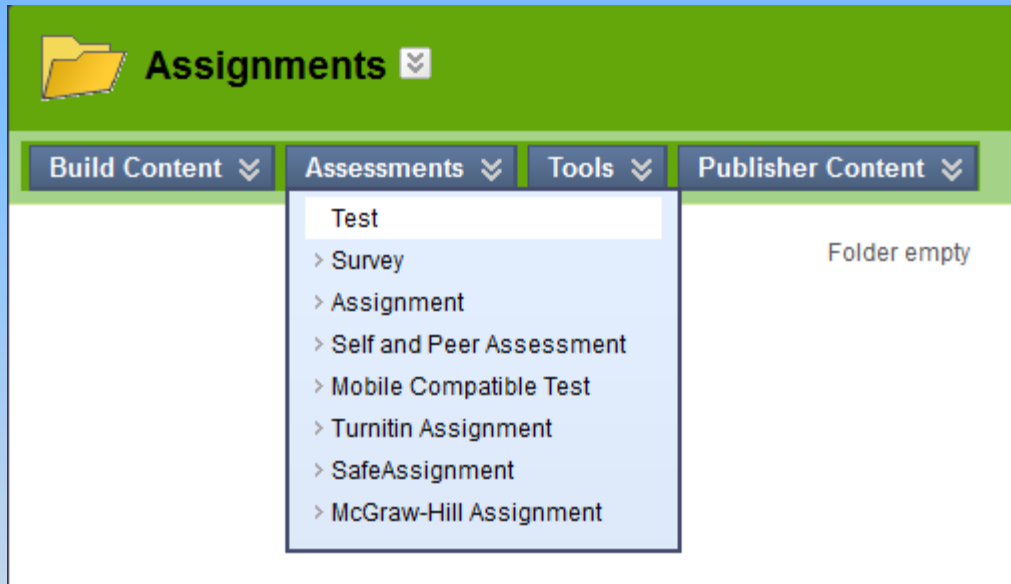
Build Test **Import Test**

<u>Name</u>	<u>Deployed</u>	<u>Date Last Edited</u>
Demonstration Assignment 	No	April 22, 2015 10:51 AM

Displaying 1 to 1 of 1 items [Show All](#) [Edit Paging...](#)

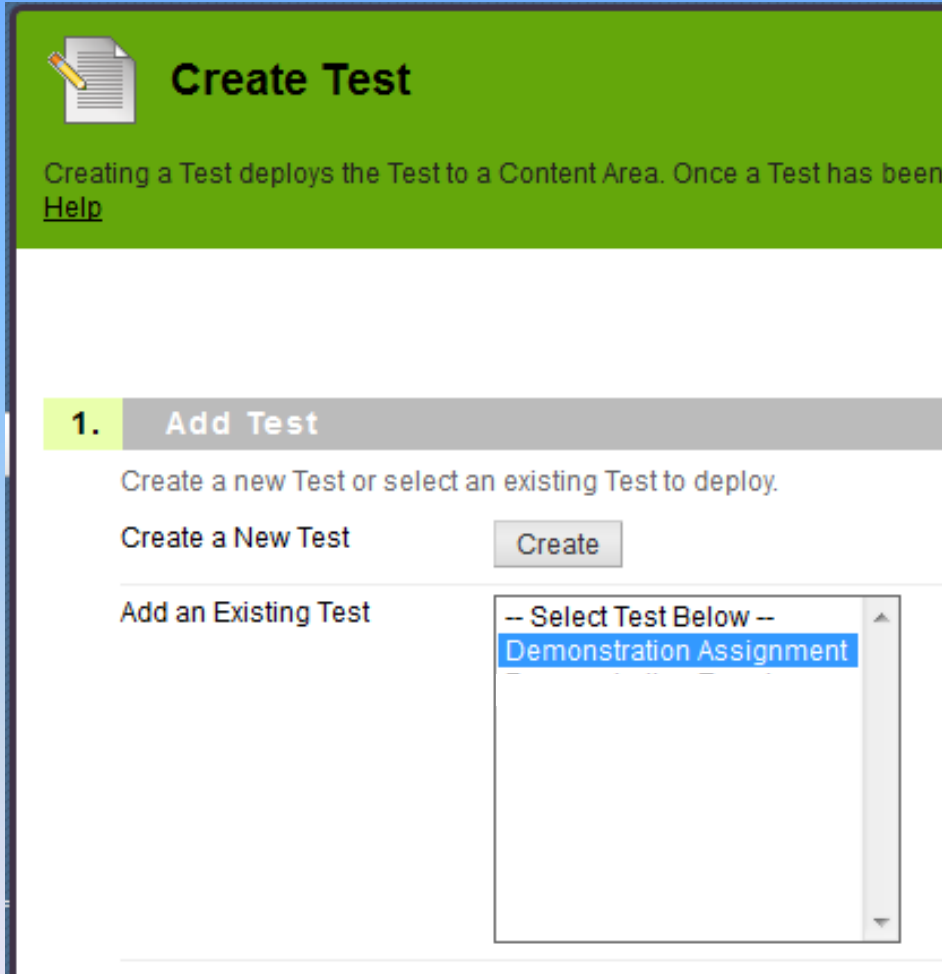
When you click OK your test will show on the list of tests available for the course shell.

Deploying Assignments



Open the folder where you want to deploy the assignment and select “Assessments”
“Test”

Deploying Assignments



The screenshot shows a 'Create Test' dialog box with a green header. Below the header, there is a help link. The main content area has a step indicator '1.' followed by the title 'Add Test'. Below this, there are two options: 'Create a New Test' with a 'Create' button, and 'Add an Existing Test' with a dropdown menu. The dropdown menu is open, showing a list of tests with 'Demonstration Assignment' selected and highlighted in blue.

Create Test

Creating a Test deploys the Test to a Content Area. Once a Test has been
[Help](#)

1. Add Test

Create a new Test or select an existing Test to deploy.

Create a New Test

Add an Existing Test

-- Select Test Below --
Demonstration Assignment

In the dialogue box, select the “Assignment” to be deployed and “submit”

The “Test Options” dialogue box will open

☒ Show Instructions to students before

Show the students the instructions before starting

Open test in new window ☐ Yes ☒ No

TEST AVAILABILITY

Make the link available ☒ Yes ☐ No

Make sure to "Make Available" or students will not be able to access regardless of any other settings

Add a new announcement for this test ☐ Yes ☒ No

☒ Multiple Attempts

☐ Allow Unlimited Attempts

☒ Number of Attempts

For an Assignment I give maximum 3 attempts

Score attempts using

I only count the highest grade

☐ Force Completion

Once started, this test must be completed in one sitting.

☐ Set Timer

Set expected completion time. Selecting this option also records the time to begin the test.

I do not force completion or set timer so students can print and return with answers.

Assignments

☐ Due Date  

Enter dates as mm/dd/yyyy. Time may be entered in any increment.

☐ Do not allow students to start the Test if the due date has passed.

Students will be unable to start the Test if this option is selected.

SELF-ASSESSMENT OPTIONS

If this test is a self-assessment, choose to include or hide the scores in the Grade Center. NOTE: If scores are hidden in the Grade Center after it was hidden, all prior attempts will be deleted.

☒ Include this Test in Grade Center score calculations

Grade Center items excluded from summary calculations are also excluded from calculations and other weighted items are not, grade weight calculations.

☐ Hide results for this test completely from the instructor and the Grade Center

If this option is selected, the instructor will not be able to see any student grades, view answers, or view attempts. To protect student privacy, this choice cannot be reversed later without deleting all attempts.





Set "Due Date" same as "Display Until"

For an "Assignment" Include in Grade Center

Assignments

SHOW TEST RESULTS AND FEEDBACK TO STUDENTS

Test results and feedback are available to students after they complete a test. Set up to two rules to show results and feedback, occur based on the events selected. Each rule specifies when and what to show students; such as scores, answers, and feedback question.

When 	Score per Question 	Answers 	Feedback 
After Submission ▼	<input checked="" type="checkbox"/>	<input type="checkbox"/> All Answers <input checked="" type="checkbox"/> Correct <input checked="" type="checkbox"/> Submitted	<input type="checkbox"/>
---Choose--- ▼	<input type="checkbox"/>	<input type="checkbox"/> All Answers <input type="checkbox"/> Correct <input type="checkbox"/> Submitted	<input type="checkbox"/>

Provide instant feedback to the students so they can determine where they went wrong before taking the next attempt

TEST PRESENTATION



All at Once

Present the entire test on one screen.



One at a Time

Present one question at a time.



Prohibit Backtracking

Prevent changing the answer to a question that has already been submitted.



Randomize Questions

Randomize questions for each test attempt.

Assignments

SHOW TEST RESULTS AND FEEDBACK TO STUDENTS

Test results and feedback are available to students after they complete a test. Set up to two rules to show results and feedback. Each rule specifies when and what to show students; such as scores, answers, and feedback question.

When ⓘ	Score per Question	Feedback ⓘ	Show Incorrect Questions ⓘ
After Submission ▼ <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---Choose--- ▼ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Submit

TEST PRESENTATION

☒ All at Once
Present the entire test on one screen.

☐ One at a Time
Present one question at a time.

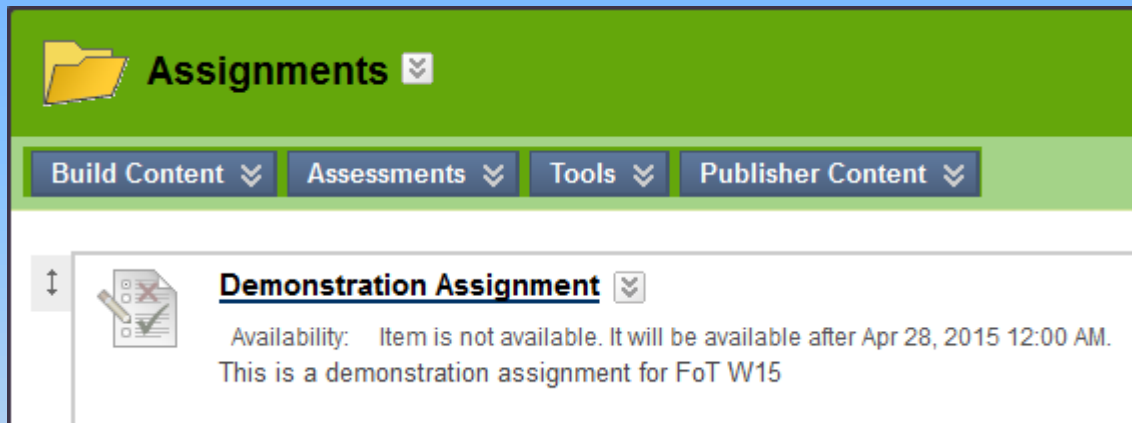
☐ Prohibit Backtrack
Prevent changing the answer to a question that has already been submitted.

☐ Randomize Questions
Randomize questions for each test attempt.

I choose to show questions "All at once" so students can print and return later with answers.

I do not choose to randomize the questions on the assignment so I can have a progression.



Assignments



The “Assignment” has been deployed and will be released on the chosen date.


Now, access the “Grade Center” to complete the set-up.


Grade Center


 **Grade Center : Full Grade Center** 

When screen reader mode is on the table is static, and grades may be entered on the Grade Details page, accessed by selecting the table cell for the grade. When screen reader mode is off, grades can be typed directly into the cells on the Grade Center page. To enter a grade: click the cell, type the grade value, and press the Enter key to submit. Use the arrow keys or the tab key to navigate through the Grade Center. [More Help](#)


Create Column


Create Calculated Column 


Manage 


Reports 


Filter

Work Offline 










 Move To Top

Email 

Sort Columns By: Layout Position 

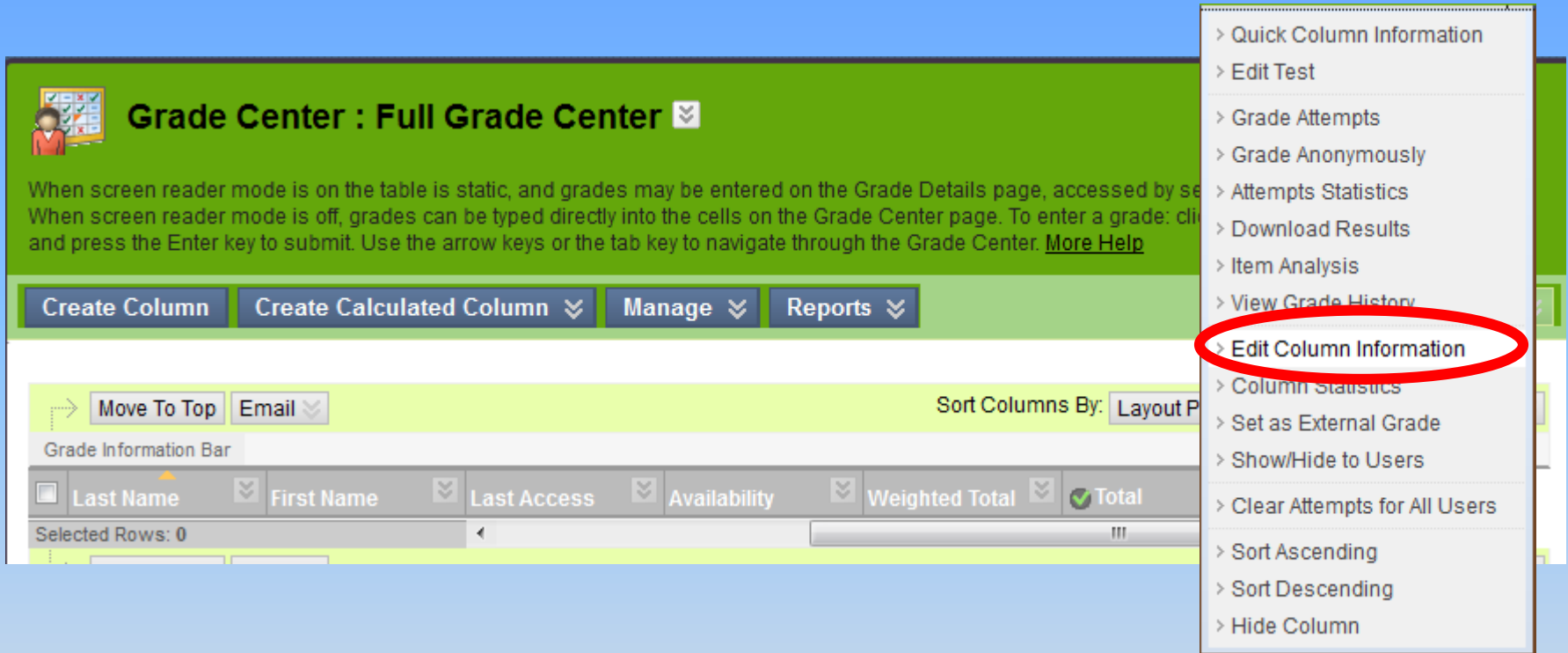
Order: ▲ Ascending 

Grade Information Bar

	Last Name 	First Name 	Last Access 	Availability 	Weighted Total 	 Total 	Demonstration 
Selected Rows: 0							

Find the column for
the assignment

Grade Center



The screenshot shows the 'Grade Center : Full Grade Center' interface. At the top, there is a green header bar with a user icon and the title. Below the header, a paragraph explains screen reader mode. A toolbar contains buttons for 'Create Column', 'Create Calculated Column', 'Manage', and 'Reports'. Below the toolbar, a 'Grade Information Bar' includes 'Move To Top', 'Email', and 'Sort Columns By: Layout P'. A table with columns 'Last Name', 'First Name', 'Last Access', 'Availability', 'Weighted Total', and 'Total' is visible. A context menu is open on the right, listing various actions. The 'Edit Column Information' option is circled in red.

Grade Center : Full Grade Center

When screen reader mode is on the table is static, and grades may be entered on the Grade Details page, accessed by se
When screen reader mode is off, grades can be typed directly into the cells on the Grade Center page. To enter a grade: cli
and press the Enter key to submit. Use the arrow keys or the tab key to navigate through the Grade Center. [More Help](#)

Create Column Create Calculated Column Manage Reports

Move To Top Email Sort Columns By: Layout P

Grade Information Bar

<input type="checkbox"/>	Last Name	First Name	Last Access	Availability	Weighted Total	Total
Selected Rows: 0						

- > Quick Column Information
- > Edit Test
- > Grade Attempts
- > Grade Anonymously
- > Attempts Statistics
- > Download Results
- > Item Analysis
- > View Grade History
- > **Edit Column Information**
- > Column Statistics
- > Set as External Grade
- > Show/Hide to Users
- > Clear Attempts for All Users
- > Sort Ascending
- > Sort Descending
- > Hide Column

Edit the column information in the Grade Center

1. Column Information

Item Name Demonstration Assignment

Grade Center Name

Description

Rich text editor toolbar with options for Paragraph, Arial, 3 (12pt), and various formatting tools like bold, italic, underline, link, and insert.

Path: p

Primary Display

Score

Grades must be entered using the selected form

Secondary Display

Percentage

This display option is shown in the Grade Center

Score attempts using

Highest Grade

Category

Assignment

★ Points Possible

40

Associated Rubrics

Add Rubric

Name

Type

Date L

Add a column name if desired

Add a description if desired

Choose what to show. I usually choose "Score" with "Percent" as secondary

Score using "Highest Grade" to encourage multiple tries

Set category as "Assignment" so term % can be weighted

Imported from the test

Date imported from
Assignment

2. Dates

Date Created Apr 22, 2015

Due Date ☒ 04/30/2015 ☐ 11:59 PM

Enter dates as mm/dd/yyyy. Time may be entered in any increment.

3. Options

Select **No** for the first option to exclude this Grade Center column from calculations. Select **No** for the second option to exclude this column from My Grades. Select **Yes** for the third option to show column statistics to Students in My Grades

Include this Column in Grade Center Calculations ☒ Yes ☐ No

Show this Column to Students ☒ Yes ☐ No

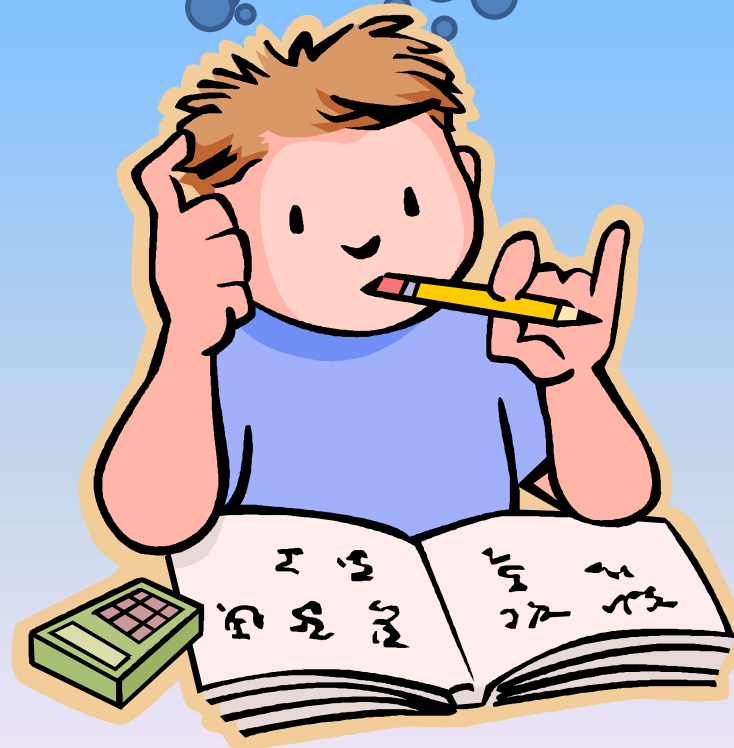
Show Statistics (average and median) for this column to Students in My Grades ☐ Yes ☒ No

Include the score in the Grade
Center calculation and show
to students


Submit

OK they did the
assignment but what
about when they want to
practice for the exam

I can't give them another
assignment, but maybe I
could do an on-line exercise






Deploying Exercises

 **Tests**

Tests are a means of assessing student performance. [More Help](#)

Build Test **Import Test**

<u>Name</u>	 <u>Deployed</u>	<u>Date Last Edited</u>
Demonstration Assignment 	No	April 22, 2015 10:51 AM
Demonstration Exercise 	No	April 22, 2015 11:00 AM

Displaying 1 to 2 of 2 items  **Show All** **Edit Paging...**

At this point I return to the “Tests” link and copy the “Assignment” renaming the copy as an “Exercise”

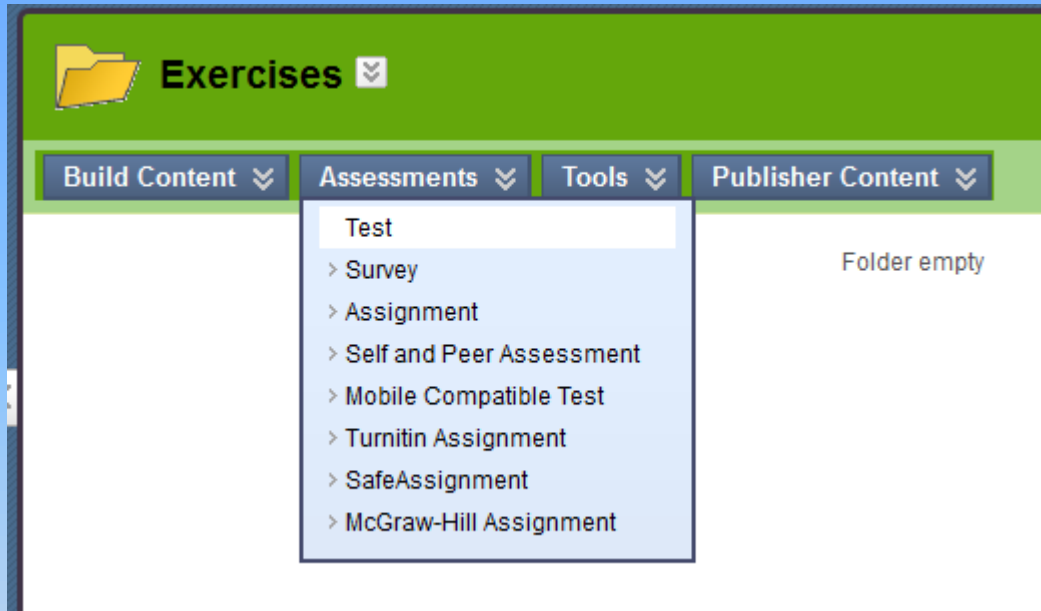
On-line Exercises



I set up an “Exercises” tab and put all the exercises in one place

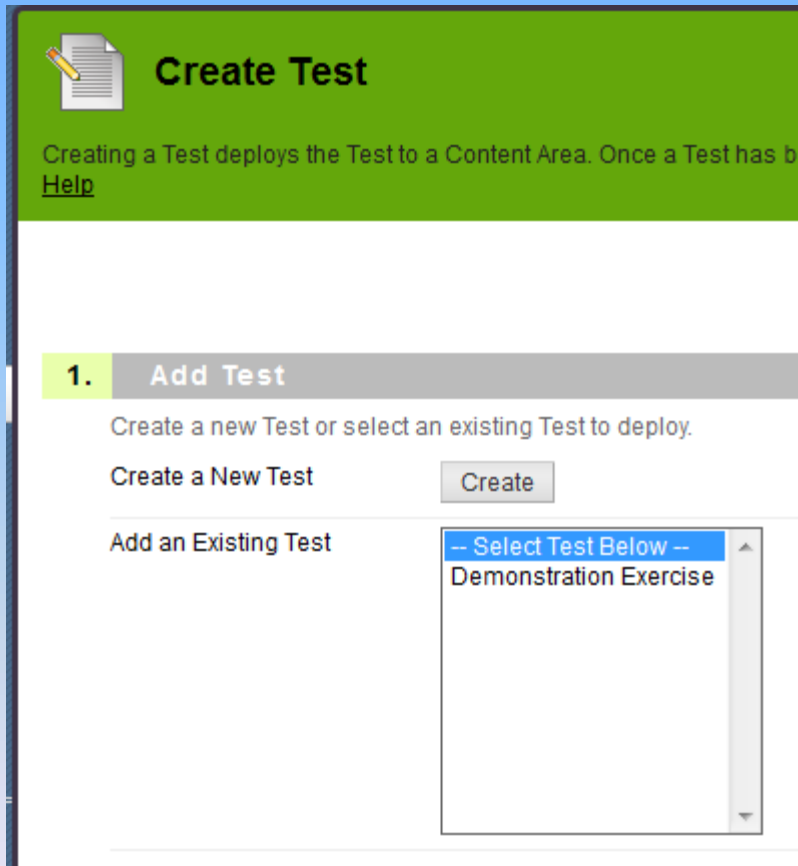
Of course you can deploy an exercise in any folder that suits your preferred layout.

Deploying Exercises



“Assessments”
“Test”

Deploying Exercises



The screenshot shows a 'Create Test' dialog box with a green header bar. Inside the header, there is a document icon with a pencil and the text 'Create Test'. Below the header, a message states: 'Creating a Test deploys the Test to a Content Area. Once a Test has been created, you can deploy it to a Content Area. For more information, see the [Help](#) topic.' The main area of the dialog is divided into two sections. The first section, labeled '1. Add Test', contains the instruction 'Create a new Test or select an existing Test to deploy.' and two options: 'Create a New Test' with a 'Create' button, and 'Add an Existing Test' with a list box. The list box is currently open, showing the text '-- Select Test Below --' and 'Demonstration Exercise'.

Create Test

Creating a Test deploys the Test to a Content Area. Once a Test has been created, you can deploy it to a Content Area. For more information, see the [Help](#) topic.

1. Add Test

Create a new Test or select an existing Test to deploy.

Create a New Test

Add an Existing Test

-- Select Test Below --
Demonstration Exercise

In the dialogue box, select the “Exercise” to be deployed and “submit”

The “Test Options” dialogue box will open

2. Test Availability

Make the Link Available ☒ Yes ☐ No

Add a New Announcement for this Test ☐ Yes

☒ Multiple Attempts

☒ Allow Unlimited Attempts

☐ Number of Attempts

☐ Force Completion

Once started, this Test must be completed in one sitting.

☐ Set Timer

Set expected completion time. Selecting this option also records completion time

Hours Minutes

Auto-Submit

OFF: The user is given the option to continue after time expires.

ON: Test will save and submit automatically when time expires.

☒ OFF ☐ ON

☒ Display After

Enter dates as mm/dd/yyyy. Time may be entered in any increment.

☒ Display Until

Enter dates as mm/dd/yyyy. Time may be entered in any increment.

☐ Password

Require a password to access this Test.

Password

Make sure to "Make Available" or students will not be able to access regardless of any other settings

For an Exercise I give "Unlimited Attempts"

Display the "Exercise" After the "Assignment" has closed.
"Display Until" the final exam date

3. Due Date

Due Date

Enter dates as mm/dd/yyyy. Time may be entered.

Leave "Due Date" blank

4. Self-assessment Options

☐ Include this Test in Grade Center Score Calculations

Grade Center items excluded from summary calculations are also excluded from weighted items are not, grade weight calculations will be skewed.

☐ Hide Results for this Test Completely from Instructor and the Grade Center

If this option is checked, the instructor will not be able to see any student grades, view answers, this choice cannot be reversed later without deleting all attempts.

For an "Exercise" uncheck this box so you
DO NOT include in Grade Center

5. Test Feedback

Select the Type of Feedback Displayed Upon Completion

- ☒ Score
- ☒ Submitted Answers
- ☒ Correct Answers
- ☐ Feedback

Provide instant feedback to the students so they can
determine where they went wrong as they work the
exercise questions

6. Test Presentation

Presentation Mode

☒ All at Once
Present the entire Test on one screen

☐ One at a Time
Present one question at a time.

☐ Prohibit Backtracking
Prevent changing the answer to a question

☐ Randomize Questions
Randomize questions for each Test attempt

Choose "All at Once" So students can print a copy of the exercise and work off-line if desired

Select "Randomize Questions" for true randomization.
Do not select if question progression is desired

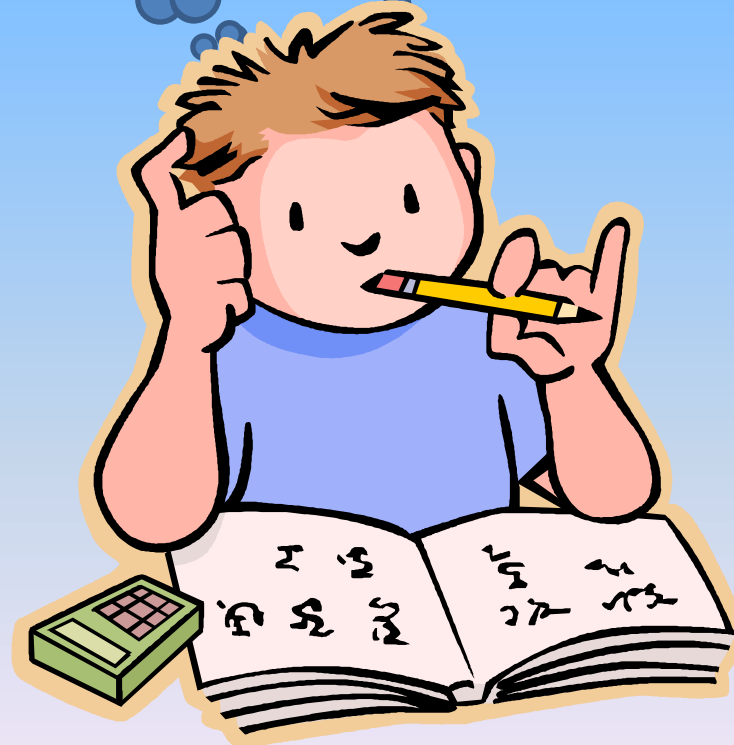
7. Submit

Click **Submit** to edit options for this Test

Submit

Student feedback has been positive, particularly from mature students who appreciate the opportunity to maximize grades

Three attempts makes the assignment as much about the learning as the assessment





Discussion

