

# Labyrinth Blackboard Integration App Instructor Guide

## Introduction

The eLab LMS integration tool allows instructors to embed links to eLab resources such as videos, Guide Me tutorials, WebSims, and PowerPoint overview presentations into their Blackboard courses. It also enables instructors to add eLab tests (including simulation questions) and auto-graded assignments. The tool even enables student grades to be sent back to the Blackboard gradebook.

Adding learning resources from Labyrinth eLab to a Blackboard course using the eLab LMS integration tool is a two-step process that involves both the Blackboard administrator and the instructor. This guide is designed to lead instructors through the process of adding course resources to their courses. To find the Administrator Guide, go to the eLab LMS Integration page in the Blackboard section.

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## Add eLab Content to Your Blackboard Course

Adding eLab resources in your Blackboard course is a simple and straightforward process.

### Pre-requisites

1. Your Blackboard administrator should have setup the eLab app for your course.
2. You have created your course in Labyrinth eLab, including setting up tests and assignments.

*Tip! This can be started before your Blackboard administrator sets up the Labyrinth eLab app in Blackboard.*

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3. You have received a confirmation from [eLab Technical Support](#) that your eLab Instructor account has been assigned your Institution in eLab.

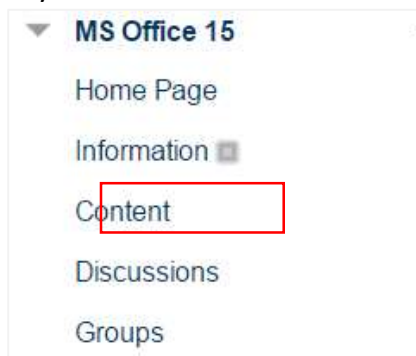
### 1. Add eLab resources in your Blackboard course

*Go to your Blackboard course*

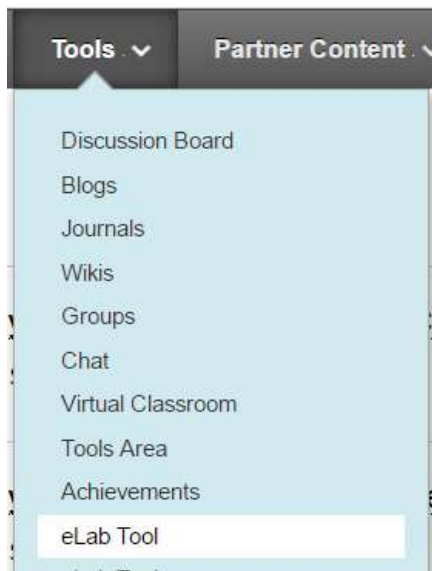
1. Go to the course in which you wish to add Labyrinth resources.
2. Ensure **Edit Mode** on the top right corner is On.



3. Click the **Content** link in the left pane and navigate to wherever you wish to place content in your course.




4. Click the **Tools** button and select the Labyrinth eLab tool (or the name that has been chosen by your admin for the Labyrinth eLab Blackboard App).



*Login to your eLab instructor account from within Blackboard*

5. The first time you add resources, you will be asked for the email address and password of the instructor who is registered with eLab and will be utilizing the Labyrinth resources. Enter your email address and eLab password and then click **Validate Me**.

Configure tool...



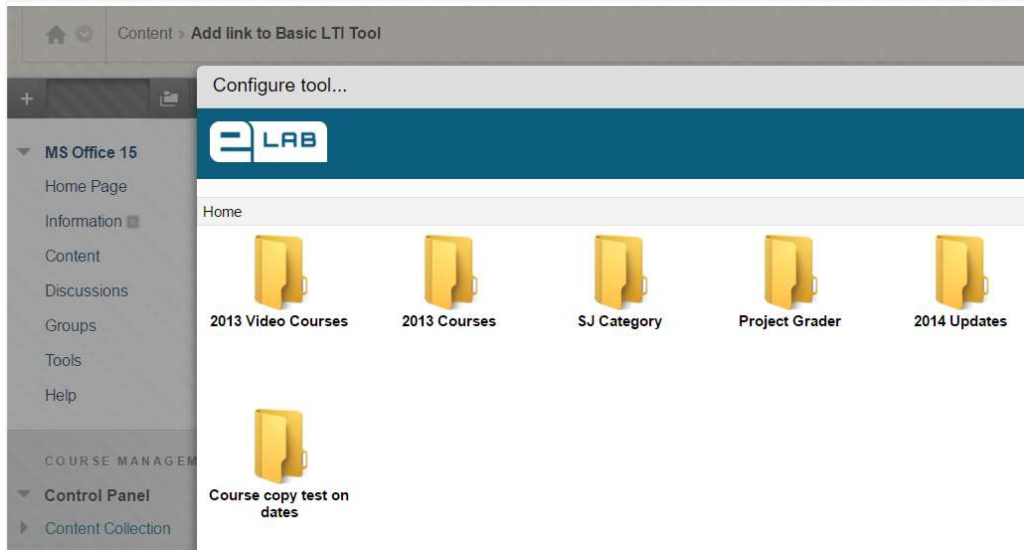
**REGISTERED USER**

Email Address:

Password:

**Validate Me**

6. eLab opens and shows the folders that contain the categories in your eLab My Courses page.



*The above image is just an example of the window that opens. Your window will look entirely different and will depend on the categories you've created in eLab.*

7. Open the appropriate category folder. Now you are looking at your course folders in eLab.



*This is also an example of the window that opens. Your window will look entirely different and will depend on the courses you've created in eLab.*

*Choose the Labyrinth eLab resources to add to your Blackboard course*

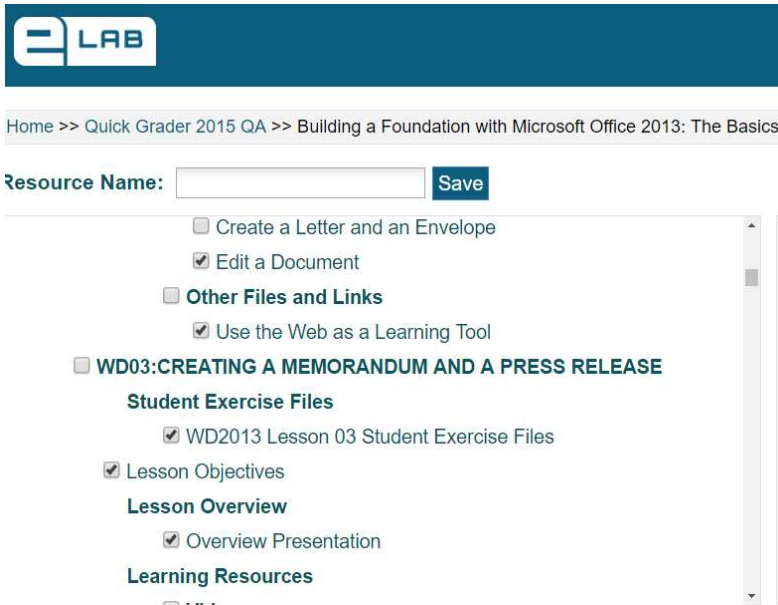
8. Choose the course you wish to use.  
*You're in your eLab course!*

9. You can now view all the resources within your eLab course including lessons, videos, assignments and quizzes. All non-graded content is in the left hand window while any assessment which can be graded is in the right hand window. Use scroll on each window to reach and select the content you wish to add to your Blackboard course.

The screenshot shows the Blackboard eLab interface. At the top, there is a navigation bar with 'My Institution', 'Courses', 'Community', and 'Services'. Below this is a breadcrumb trail: 'Home >> Quick Grader 2015 QA >> Building a Foundation with Microsoft Office 2013: The Basics'. The main area is divided into two panes. The left pane is titled 'Resource Name:' and contains a search bar and a 'Save' button. Below this, there are several sections: 'Student Exercise Files' (with a checkbox for 'WD2013 Lesson 01 Student Exercise Files'), 'Lesson Objectives' (with a checkbox for 'Lesson Objectives'), 'Lesson Overview' (with a checkbox for 'Overview Presentation'), and 'Learning Resources' (with a checkbox for 'Videos'). The right pane is titled 'Accept Grades= AG' and contains a list of assignments. A red box highlights the 'ASSIGNMENTS' section in the right pane. The assignments listed are: 'APPLY YOUR SKILLS 2-4 (WITH PARTIAL CREDIT ALLOWED)', 'APPLY YOUR SKILLS 2-4 (NO PARTIAL CREDIT ALLOWED)', 'AYS CHAPTER 3-4 (WITH PARTIAL CREDIT ALLOWED)', 'AYS CHAPTER 3-4 (NO PARTIAL CREDIT ALLOWED)', 'AYS CHAPTER 4-5 (WITH PARTIAL CREDIT ALLOWED)', 'AYS CHAPTER 4-5 (NO PARTIAL CREDIT ALLOWED)', and 'AYS CHAPTER 5-5 (WITH PARTIAL CREDIT ALLOWED)'. Each assignment has a checkbox and the text 'AG' next to it.

*Note! You can pick and choose content, and add links anywhere within your Blackboard course. For example, you can place links to the appropriate learning resources in each week of your course or add Labyrinth eLab resources to just one section of your Blackboard course. It's up to you!*

10. Now scroll through the two panes and choose your content. Click the checkboxes next to the resources you wish to add.



Home >> Quick Grader 2015 QA >> Building a Foundation with Microsoft Office 2013: The Basics

Resource Name:

- ☐ Create a Letter and an Envelope
- ☒ Edit a Document
- ☐ Other Files and Links
  - ☒ Use the Web as a Learning Tool
- ☐ **WD03:CREATING A MEMORANDUM AND A PRESS RELEASE**
  - Student Exercise Files**
    - ☒ WD2013 Lesson 03 Student Exercise Files
  - ☒ Lesson Objectives
  - Lesson Overview**
    - ☒ Overview Presentation
  - Learning Resources**

*Specify which graded resources should send back grades to Blackboard*

11. Among the assessment content in the right hand window, you also have the option of specifying for each selected assessment, whether its grade should be added to the gradebook. Only grades of assessments, which have AG checkbox checked, will be added to the gradebook. Those which do not have AG checked, will not appear in the gradebook.

**Accept Grades= AG**

<input checked="" type="checkbox"/> WD05 QUIZ	<input checked="" type="checkbox"/> AG
<input checked="" type="checkbox"/> EX01 QUIZ	<input checked="" type="checkbox"/> AG
<input checked="" type="checkbox"/> EX02 QUIZ	<input checked="" type="checkbox"/> AG
<input checked="" type="checkbox"/> EX03 QUIZ	<input type="checkbox"/> AG
<input type="checkbox"/> EX04 QUIZ	<input type="checkbox"/> AG
<input type="checkbox"/> EX05 QUIZ	<input type="checkbox"/> AG
<input checked="" type="checkbox"/> EX06 QUIZ	<input type="checkbox"/> AG
<input checked="" type="checkbox"/> PP01 QUIZ	<input checked="" type="checkbox"/> AG
<input checked="" type="checkbox"/> PP02 QUIZ	<input checked="" type="checkbox"/> AG
<input checked="" type="checkbox"/> PP03 QUIZ	<input type="checkbox"/> AG
<input checked="" type="checkbox"/> PP04 QUIZ	<input type="checkbox"/> AG

*Specify an easy to identify prefix for all Labyrinth eLab resources added to Blackboard course*

12. Enter a **resource name**. This name will precede the activity titles in your course. For example, you might want to name resources for the chapter number, textbook title, or simply Labyrinth.

Home >> 2015 Courses >> ECS

Resource Name:  Save

Accept Grades= AG

☒ Overview Presentation

☐ ECS02 WINDOWS:CONTROLLING PROGRAMS

Student Exercise Files

☐ This lesson does not use student exercise files

☒ Lesson Objectives

ASSIGNMENTS

☒ REINFORCE YOUR SKILLS ECS13-0101A ☒ AG

TESTS AND CONCEPT REVIEW QUIZZES

☒ ECS01 QUIZ ☒ AG

☒ ECS02 QUIZ ☐ AG

*Because the name you choose will appear in all the eLab links that students will see, make sure it relates to the content!*

13. Click Save.

*Congratulations! Your Blackboard course is now updated with eLab resources.*

Repeat the above process, adding resources to different locations in your course.

## 2. Locate added eLab resources in your Blackboard course

Chosen content is placed in your course as described here.

- All non-graded content (chosen by you from the left hand window) becomes available to students via a single link in Blackboard that opens a window that allows students to navigate to and choose resources.
- All assessment content (chosen by you from the right hand window) are placed in Blackboard as separate links.

**Week 1**

All resources were added at the same time.

ECS Lesson 1

ECS Lesson 1 - Reinforce Your Skills ecs-0101a

ECS Lesson 1 - ECS01-QUIZ

This is a link to multiple resources.

Graded quizzes and assignments are added as individual links.



### 3. Understand grading for assessments and quizzes

#### Grade Columns

Grade columns are created automatically in your Blackboard gradebook after a student has completed any graded assignment that has been graded in eLab. The grade is then sent to Blackboard and a column is created for it.

***It's important that you do not create gradebook columns for your eLab assignments and tests or else you will find duplicate columns in your gradebook!***

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*Note: Non-graded eLab resources **will not** create columns in the gradebook.*

#### Weighting

The LTI protocol sends scores that are percentages. For example, a student takes a quiz and gets 75% correct. That percentage is sent to Blackboard. If you have set up in eLab that a quiz is worth 40 points, this weighting will not be reflected in the score sent to Blackboard. For now, if you wish tests and assignments to be weighted, you must set this up in Blackboard. We are, however, looking into the possibility of sending weighted scores.

#### Choosing which Graded Resources send Grades back to Blackboard

As mentioned in the section on [adding eLab resources to Blackboard](#), you can specify which of the chosen Labyrinth eLab resources should send back grade to Blackboard.

If a student attempts an eLab assessment, for which “AG” is not checked, the corresponding grade will not be sent to Blackboard and not show up in the gradebook.

On the other hand, if a student attempts an eLab assessment, for which “AG” is checked, the corresponding grade will be sent to Blackboard, a new grade column will get added to the gradebook and it will be populated with the score achieved by the student.

### 4. See how your students will view added eLab resources

To see how your students will view their Labyrinth materials:

1. Simply turn edit mode off:



2. Navigate to the part of your course where you placed Labyrinth resources and click on any resource.

3. You will be taken to a screen that allows you to either log into eLab as an instructor or view the resource as a student. Choose **View as Learner**.

### Instructor:

You are trying to access eLab using an instructor account in Blackboard, you are performing the below action in eLab.

[Login as Instructor](#) [View as Learner](#)

5. Share with students the process to access eLab resources from within your Blackboard course

Once your course is ready to go, students will be able to access all eLab resources such as videos, Guide Me tutorials, WebSims, assignments, and assessments directly from within your Blackboard course.

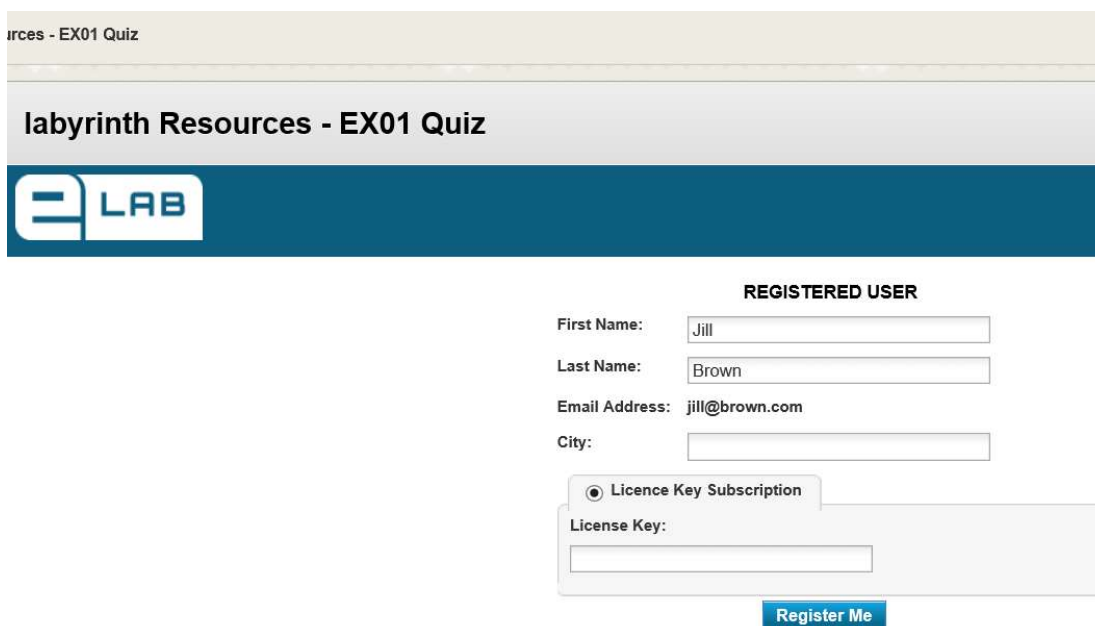
*First access to eLab resources in Blackboard course needs logging into eLab, eLab license key*

1. When a student clicks on an eLab resource link in the Blackboard course, she will be asked to sign in to eLab and provide an eLab license key.

***Students have to sign into eLab one-time only! They will not be asked to sign-in second time onwards.***

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2. If the student does not have an eLab login, she can register and create one at this point of time.



The screenshot shows a web interface for a quiz titled "labyrinth Resources - EX01 Quiz". Below the title is the eLAB logo. The registration form is titled "REGISTERED USER" and includes the following fields:

- First Name: Jill
- Last Name: Brown
- Email Address: jill@brown.com
- City: (empty field)
- ☒ Licence Key Subscription
- License Key: (empty field)

A "Register Me" button is located at the bottom right of the form.

3. The license key needs to be provided by you if you have bought an institutional license key for eLab for your entire class. Otherwise, the student needs to [purchase a license key from Labyrinth's website](#).
4. After signing into eLab from within the Blackboard course, students can access any eLab resource by clicking on it from Blackboard course.

*Accessing non-graded eLab content*

5. When a student opens a link to multiple resources (everything chosen from the right hand window when [adding eLab resources to Blackboard](#) ), she will see the list of links to the resources from within the Blackboard course.

6. This window also contains instructions on how to navigate through those resources.

**Menu**

Welcome! On this page you'll find the learning resources that your instructor has selected for your course.

**Tips:**

- Click the yellow Menu tab to hide/show the navigation bar.
- Click any section title to expand it and see its contents.
- Click the link for a resource to utilize that resource.
- Click the Next button at the bottom of any screen to go to the next resource.

*Tip: When you want non-graded resources to show up in separate windows, place them separately. All the non-graded resources you add at one time show up in one window that is accessed by one link in your course!*

7. At any point, the student can navigate back to the list of eLab resources by clicking on the left hand side yellow Menu tab and choosing the desired link

The screenshot shows the eLab interface. On the left, a yellow 'Menu' tab is visible. The menu is expanded, showing two sections: 'ECS01 WINDOWS: COMPUTER CONCEPTS' and 'ECS02 WINDOWS: CONTROLLING PROGRAMS'. Under 'ECS01', there are links for 'Lesson Objectives', 'Lesson Overview', and 'Overview Presentation'. Under 'ECS02', there are links for 'Lesson Objectives', 'Lesson Overview', 'Overview Presentation', 'Learning Resources', and 'Videos'. The 'Videos' section lists 'ecs13-V0201: Starting Windows' and 'ecs13-V0202: Signing On (Windows 8)'. The main content area on the right shows a 'Next' button, a progress indicator '4 / 24', and a 'Desktop' icon. Below these, the 'LABYRINTH LEARNING' logo is displayed. The main content area is titled 'Units of Measure' and features a section for 'Volume/Capacity Units' with a table.

Unit	Meaning	Capacity Examples
Bit	Zero or one	1,0
Byte	One character	A, B, C, D, &, @

*Accessing eLab's assessment content*

8. Any eLab assignment or quiz will appear in Blackboard as an individual link for all students

Content

Success: 19 items have been added to the page

Content

Build Content Assessments Tools Partner Content

**labyrinth Resources**  
labyrinth Resources

**labyrinth Resources - Apply Your Skills 2-4 (with Partial Credit Allowed)**  
labyrinth Resources - Apply Your Skills 2-4 (with Partial Credit Allowed)

**labyrinth Resources - Apply Your Skills 2-4 (No Partial Credit Allowed)**  
labyrinth Resources - Apply Your Skills 2-4 (No Partial Credit Allowed)

**labyrinth Resources - AYS Chapter 3-4 (No Partial Credit Allowed)**  
labyrinth Resources - AYS Chapter 3-4 (No Partial Credit Allowed)

9. A student just needs to click on the assignment or quiz and attempt it

**labyrinth Resources - WD02 Quiz**

**eLAB** Building a Foundation with Microsoft Office 2013: The Basics (BAFB-QB15-1)

**WD02 Quiz**

This is an Open Test  
No Time Limit  
You have **Unlimited** attempt(s) remaining for this test.

**Start**

**Jason Favro's Attempts**

There have been no attempts at this test yet.

**Grade Legend** ☐ No tests submitted for grading. ☐ NG Tests submitted but not graded. ☒ Grade adjusted by instructor. ☐ CR Concept Review Quiz.

10. Similar to the instructor grade center, students will also automatically see their grades as percentages from Labyrinth assignments and tests.

**My Grades**

All Graded Upcoming Submitted Order by: Course Order

ITEM	FEEDBACK	LAST ACTIVITY	GRADE
Weighted Total			-
Total			-
eLab - EX01 Quiz		Jul 16, 2015 1:23 PM GRADED	16.67%

*Note: Grades and the grade column, for any eLab assessment added to Blackboard, will show up in the Blackboard grade center only after at least one student has submitted the assessment and it has been graded.*

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## Troubleshooting

Find solutions to common errors faced during Blackboard – eLab LMS integration setup here.

If you do not find your solution below, please contact [Labyrinth technical support](#) and share the step number(s) where you got the error(s) along with a screenshot of the error(s).

1. “This application is not authorized on this LMS instance. Ask your administrator to authorize this application”

### 1.1 Issue: Wrong admin setup of eLab app.

*Solution:*

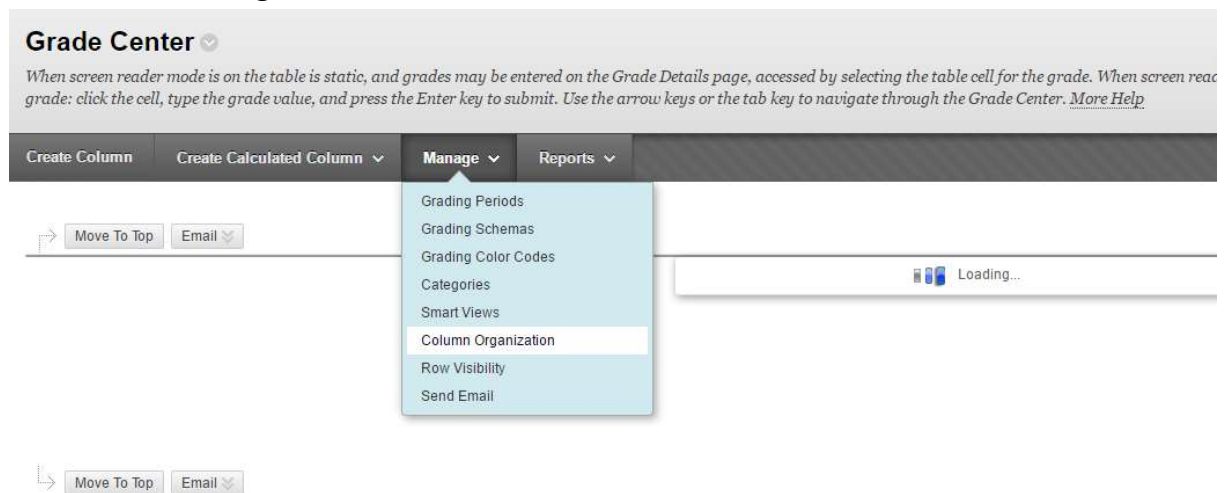
1. Please ask your administrator to fix the Blackboard – eLab integration

2. Student grades for eLab assessments not appearing in Blackboard gradebook

### 1.1 Issue: Grade column is not visible in Blackboard grade center.

*Solution:*

1. Go to Grades Center in Blackboard.
2. Click **Manage** in the top navigation bar.
3. Choose **Column Organizer**.



4. Select the Grade Column name for the Labyrinth test or assignment.
5. Click on **Show Hide** and then **Show Selected Columns**.

## Column Organization

The Column Organization page is divided into various tables that control how different Grade Center views are displayed. Rows in these tables represent Columns in the Grade Center. [More Help](#)

Show/Hide

Change Category to...

Change Grading Period to...

3

Shown in All Grade Center Views

Name	Grading Period	Category
<input type="checkbox"/> Last Name (Frozen)		Institution
<input type="checkbox"/> First Name (Frozen)		Institution
Everything above this bar is a frozen column. Drag this bar to change which columns are frozen.		
<input type="checkbox"/> Username		Institution
<input type="checkbox"/> Student ID		Institution
<input type="checkbox"/> Last Access		Institution
<input type="checkbox"/> Availability		Institution

3

Not in a Grading Period

Name	Grading Period	Category
<input type="checkbox"/> Weighted Total	Not in a Grading Period	Calculated Grade
<input type="checkbox"/> Total	Not in a Grading Period	Calculated Grade
<input checked="" type="checkbox"/> Labyrinth Resources - PP04 Quiz (Hidden)	Not in a Grading Period	Basic LTI
<input type="checkbox"/> Labyrinth Resources - PP02 Quiz	Not in a Grading Period	Basic LTI
<input type="checkbox"/> Labyrinth Resources - EX03 Quiz	Not in a Grading Period	Basic LTI
<input type="checkbox"/> Higherl Test - WD01 Quiz	Not in a Grading Period	Basic LTI
<input type="checkbox"/> L	Not in a Grading Period	Basic LTI
<input type="checkbox"/> L	Not in a Grading Period	Basic LTI
<input type="checkbox"/> L	Not in a Grading Period	Basic LTI

Show/Hide

Change Category to...

Change Grading Period to...

6. Click **Save**.

7. Go back to the Grade center.

Now you should be able to see your students' eLab grades in the grade center.