

# DEEP LINK LTI INTEGRATION GUIDE FOR CANVAS

CONNECT FOR EDUCATION, INC.



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#### Before Configuring Your Connect For Education Deep Link LTI Course

#### Important!

In order to properly configure the deep link integration, your Canvas account must have the correct permissions enabled. Importing course content correctly REQUIRES permission to create External Apps in your course. If you do not have the appropriate access, you will need the assistance of your Canvas Administration team. Prior to proceeding with the following steps, please confirm whether you have the correct level of access. If there any questions or concerns about this, please contact the Connect For Education Technical Support Team.

**Note**: You can proceed directly to Step 3 (skipping Steps 1 and 2), if your school has previously used Connect For Education deep link integration.



#### Step 1: Generate the Developer Key for Deep Link LTI Implementation

\*This step is typically completed by a Canvas Site Administrator. This step will only need to be performed once. If your school has previously used deep link Integration for Connect For Education courses, this step can be skipped.

A developer key is used to create custom integrations with Canvas and allow third-party applications, such as Connect For Education, to use Canvas authentication. As this information is critical for the deep link LTI implementation, we recommend completing this step and providing us with the requested information as quickly as possible.

#### To Generate a Developer Key:

- 1. Log into your Canvas account.
- 2. In Global Navigation, click the 'Admin' link and select the name of your account.
- 3. From your Account Navigation, select the 'Developer Keys' option (left-side menu).
- 4. Click the '+ Developer Key' button and select the '+API Key' option.

Devel	oper Keys				
Account	Inherited				
Name	Owner Email	Details	Stats	Туре	+ Developer Key Sta + API Key + LTI Key

- 5. Enter the following information on the 'Key Settings' screen:
  - **Key Name:** The key name can be created according to your school's standard naming conventions. (If you are unsure of your school's naming conventions, consider using 'C4ELink LTI Application.')
  - **Owner Email:** itteam@c4edu.com
  - Redirect URI (Legacy): <u>https://ltiapp.c4elink.org/manage\_content</u>
  - The 'Enforce Scopes' button can remain in the 'OFF' position, if you wish. This setting would mean that all API scopes will be available to the C4E Application.



#### Key Settings (Scopes Not Enforced)

Key Name:	× Enforce Scopes	
C4ELink LTI Application		
Owner Email:		
ítteam@c4edu.com		
Redirect URIs:		
https://ltiapp.c4elink.org/manage_content	When scope enforcement is disabled, tokens have access to all	
Vendor Code (LTI 2):	endpoints available to the authorizing user.	
Icon URL:		

- If you would prefer to restrict the C4E Application to only the required API scopes, you can toggle the 'Enforce Scopes' button to the 'ON' position and define the following scopes for deep link integration (listed is the API along with the header under which the scope is listed):
  - o url:POST |/api/v1/courses/:course id/assignments Assignments
  - url:GET|/api/v1/courses/:course id/external tools External Tools
  - o <u>url:POST|/api/v1/courses/:course id/external tools External Tools</u>
  - o url:GET |/api/v1/courses/:course id/modules Modules
  - o <u>url:GET|/api/v1/courses/:course\_id/modules/:id Modules</u>
  - o <u>url:POST|/api/v1/courses/:course\_id/modules Modules</u>
  - url:POST |/api/v1/courses/:course\_id/modules/:module\_id/items Modules



#### **Key Settings (Scopes Enforced)**

Key Name:	Enforce Scopes	Search endpoints	Q
C4ELink LTI Application			
Owner Email:	Read only GET		
itteam@c4edu.com	url:PUT /api/v1/courses/:course_id/assignments/overrides	PUT	^
Redirect URIs:	url:POSTI/api/v1/courses/course_id/assignments/overrides	POST	ь.
	vri:GET]/api/v1/courses/course_id/assignments	GET	
at Redirect URI (Legacy):	uri:GET]/api/v1/courses/course_id/assignment_groups/:assignment_group_id/assignments	GET	
https://ltiapp.c4elink.org/manage_content	url:GET]/api/v1/users/:user_id/courses/:course_id/assignments	GET	
Vendor Code (LTI 2):	url:GET]/api/v1/courses/course_id/assignments/:id	GET	
Icon URL:	uri:POSTJ/api/v1/courses/:course_id/assignments	POST	
	uri:PUTI/api/v1/courses/:course_id/assignments/id	PUT	
Notes:	url:DELETE//api/v1/courses/course id/assignments/:id	DELETE	

**Note**: If the '**Enforce Scopes**' button is not present, you may have an older version of the Canvas LMS and the completion of this prompt is not necessary.

- 6. Once you have completed the necessary fields, click the 'Save Key' button.
- 7. On the 'Developer Keys' summary page, set the 'State' of the key to 'ON.'

Develope	r Keys						
Account							
Name	Owner Email	Details	Stats	Туре	State		veloper Key Actions
C4ELink L Applicatio		100000000022 Show Key URI: https://ltiapp. c4elink.org/manag e_content	Access Token Count: 0 Created: Apr 27 at 1:41pm Last Used: Never		ON ALLOW	OFF	پ ا

#### Step 2: Notify C4E

\*This step will only need to be performed once. If your school has previously used deep link Integration for Connect For Education courses, this step can be skipped.



Once the Developer Key has been added to your Canvas system (Step 1), please provide our Support Team with:

- Your Canvas root URL
- Your Key ID (i.e., 10000000022)
- Your Key (i.e., IWJ1FyY18AG8dPWjicoS8XQ9w1d3i4LBOtcgCDjKh1gPsBTnPNTPXKyoowAxmeE3)

De	veloper K	eys							
Acc	ount								
								+ Dev	eloper Key
Na	me	Owner Email	Details	Stats	Туре	State			Actions
	C4ELink LTI Application	itteam@c4 edu.com	1000000000022 Show Key URI: https://ltiapp. c4elink.org/manag e_content	Access Token Count: 0 Created: Apr 27 at 1:41pm Last Used: Never		ON	ALLOW	OFF	¢ 1

We will need this information to add your college/university as a 'New Canvas Client' to facilitate the remaining integration.

Once this step is complete on our end, we will work to build your new Connect For Education course and will provide you with a confirmation email containing the next steps!

#### Step 3: Create the Deep Linking App in Canvas

Please proceed with this step only after you have received your Course Confirmation email from the Connect For Education Technical Support Team, and after you have verified that no further changes are necessary for your course. Ideally, ALL course customizations should be addressed prior to completing the remaining steps outlined in this document.

- Log into your Canvas account and access your course shell.
   \*\* If you are teaching multiple sections, you will need to access each course
  - shell individually to create the LTI link. \*\*
- 2. From the **Course Navigation** panel (left-side menu), click the 'Settings' link.



4.7.N 1	≡ c4e101 >	Module	s					
	Home	Ø					View Progress	+ Modu
) Imin	Assignments	ø	• Conn	ect For Educ	ation Course		0	+ :
ධ iboard	Discussions Grades		#₽	Connect Fo	or Education Course	9		⊘ :
<b>u</b> rses	People Pages	ø						
andar	Files Syllabus	ø						
la ∞x	Outcomes	Ø						
	Quizzes Modules	Ø Ø						
	Settings							

3. From the 'Settings' page, select the 'Apps' tab.

АТА 1	≡ c4e101	> Settir	ngs			
Account	Home Announcement	ts Ø	Course Details	Sections Navigation	Apps	Feature Options
S Admin	Assignments Discussions Grades		Name:	c4e101		
Dashboard Courses	People Pages	Ø	Course Code: Blueprint Course:	c4e101	Blueprint (	Course
Calendar	Files Syllabus	ø	Time Zone:	Mountain Time (US & C	anada 🗸 🗸	
目 Inbox	Outcomes Quizzes	ø	Root Account:	Connect4Education		
	Modules Settings		Subaccount: Term:	Manually-Created Cou	rses 👻	

4. From the '**Apps**' page, click the '**+ App**' button. This process will create the external link needed for the LTI integration from your school's Canvas environment to the C4E environment.



i c4e101 > Setti	ngs
Home	Course Details Sections Navigation Apps Feature Options
Announcements Ø	
Assignments	External Apps +A
Discussions	Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all cour
d Grades	in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

If you do not see the **'+ App'** button initially, please click the **'View App Configurations'** button. This should display the screen where the **'Add App'** button is present:

848 84			
	Home	Course Details Sections Navigation Apps Feature Options	
ccount	Announcements		
ഒ	Assignments	External Apps	View App Configurations
shboard	Discussions	Apps are an easy way to add new features to Canvas. They can be added to individu:	al courses, or to all courses in an
٩	Grades	account. Once configured, you can link to them through course modules and create a	ssignments for assessment tools.
ourses	People	See some LTI tools that work great with Canvas.	
Ē	Pages	All Not installed Installed Filter by	/ name

5. Complete the following fields in the 'Add App' pop-up window:

	Add App	×
A	Configuration Type By URL	~
В	Name Connect For Education Course Content	
C	Consumer Key         Shared Secret           d2145763370fe3cfe63fb38f875qaf54         d2145763370fe3cfe63fb38f875qaf54	
D	Config URL https://ltiapp.c4elink.org/xml_config.xml	
	Example: https://example.com/config.xml Cancel Submit	

- A. Configuration Type: Select 'By URL.'
- B. **Name:** Enter a name for the link in the **Name** field. Often the name of the course text is used (i.e. OnMusic Appreciation Content). For easy access, we



recommend prefixing the name with a '0' or '001' to ensure this main LTI connection appears at the top of the list.

C. **Consumer Key/Shared Secret:** Enter the '**Key**' provided by C4E. The same key will be entered in both of these fields.

*Note: The 'Allow this tool to access the IMS Names and Role Provisioning Service' setting should remain unchecked.* 

- D. Configuration URL: Enter the 'Configuration URL' provided by C4E (<u>https://ltiapp.c4elink.org/xml\_config.xml</u>)
- 6. Click 'Submit.'

#### Step 4: Import Your Course Content

- 1. From the **Course Navigation** panel (left-side menu), click the '**Modules**' link.
- From the 'Modules' page, click the '+ Module' button to add a new module to the course:

Home		View Progress + Module
4 Announcements		
Assignments		
Discussions		
Grades		
People	and the second	
Pages		
Files		
Syllabus	Create a new Module	
Outcomes		
Quitzes		
Modules		
Settings		

3. For the Module name, enter 'C4E App Launch':

Add Module × C4E App Launch Lock until Prerequisites + Add prerequisite		
Lock until Prerequisites	Add Module	×
Prerequisites	C4E App Launch	
	] Lock until	
+ Add prerequisite	rerequisites	
	+ Add prerequisite	
	Cancel	Add Module

4. Click 'Add Module.'

Note: As this module will only be accessed for admin purposes, it can remain in 'Unpublished' status and should not be published.

5. Click the '+' icon (far-right) to add to the module:

Announcements	
Assignments • C4E App Launch	◎ + :
Discussions	
Grades	
People	
Pages	
iles	
yllabus	
Dutcomes	

6. Select 'External Tool,' and click the blue hyperlink for the newly-created tool:



Add Item	to C4E App Launch
Add Extern	al Tool v to C4E App Launch
Select a tool module.	from the list below, or enter a URL for an external tool you already know is configured with Basic LTI to add a li
Connec	t For Education Course Conte
URL:	
Page Name:	
🗌 Load in a r	new tab
Indentation:	Don't Indent

7. When prompted, click '**Authorize**' to authorize the app's access. The authorization process can take a few minutes to complete.

Link Resource from Extern	al Tool	×
	🔅 canvas	
	C4ELink LTI Application C4ELink LTI Application is requesting access to your account. You are authorizing this app as C4E.	
	Canori Authorite	

8. On the content selection screen, use the '**Select All**' option in the dropdown menu to import all course modules:



Link Resource from External Tool	
C4E C4E LTI Canvas App   Admin Console	support@connect4education.com
Select All	
Technical Support Test Course 1	
☑ Instructor Resources	
Instructor Guide: Section 1	
☑ Instructor Guide: Section 2	
☑ Instructor Guide: Section 3	
OMA Optional Writing Assignments	
☑ Getting Started	
Course Preamble	
System Check & Computer Setup	
OnMusic Appreciation Course Description Guide	
SECTION 1: BASIC MUSICAL CONCEPTS	
	Create Content

## Alternately, you may select individual modules by clicking the checkboxes to the left of each desired module:

Link Resource from External Tool	
C4E LTI Canvas App   Admin Console	support@connect4education.com   10600
Select v	
Technical Support Test Course 1	
Instructor Resources	
Instructor Guide: Section 1	
□ Instructor Guide: Section 2	
□ Instructor Guide: Section 3	
OMA Optional Writing Assignments	
Getting Started	
Course Preamble	
System Check & Computer Setup	
OnMusic Appreciation Course Description Guide	
SECTION 1: BASIC MUSICAL CONCEPTS	
	Create Content

Please note, once all content has been pulled in the first time, this process should only be repeated for newly created items (i.e., new discussion forums created after the initial content pull). Pulling content that has already been imported will result in duplication.



9. Once you have selected the content you wish to import, click the '**Create Content**' button (bottom-right). This will bring you to a confirmation screen, allowing you to review the selected content:

Link Resource from External Tool		×
C4E LTI Canvas App   Admin Console	support@connect4education.com	
Technical Support Test Course 1		^
Instructor Resources		
Instructor Guide: Section 1		
Instructor Guide: Section 2		
Instructor Guide: Section 3		
OMA Optional Writing Assignments		
Getting Started		
Course Preamble		
System Check & Computer Setup		
OnMusic Appreciation Course Description Guide		
SECTION 1: BASIC MUSICAL CONCEPTS		
	Back Confirm & Create	

If any adjustments are necessary, simply click the '**Back**' button to return to the content selection screen. Otherwise, click '**Confirm & Create**' to start the content creation process. *Please note:* Depending on the amount of content selected, the import process may take some time to complete. To help break up the time needed, it may be helpful to complete the import in two parts. Please do not navigate away or close your browser tab once the import process has begun.

10. When the content creation process is complete, the page will refresh. Click 'Leave Page' on the confirmation screen to navigate to the Modules area:

This page is asking you to confirm that you want to lea	ave - data you have entered n	nay not be saved.
	Leave Page	Stay on Page

11. Once the content has populated, the '**C4E App Launch**' module will need to be removed. Click the three stacked dots to expand the **Additional Options** menu:



$A_{\mu\nu}^{T}A_{\mu\nu}^{T}$		Modules	
Account	Home		View Progress + Module
Admin	Announcements Assignments Discussions	∰ ▼ C4E App Launch	⊗ <b>+</b> !
Dashboard	Grades People	#  Instructor Resources	◎ + :
Ē	Pages Files	ii o <sup>o</sup> Instructor Guide: Section 1	⊘ :
Calendar	Syllabus Outcomes	ii o <sup>p</sup> Instructor Guide: Section 2	⊘ !
Inbox	Quizzes	ii of Instructor Guide: Section 3	⊘ :
	Modules Settings	OMA Optional Writing Assignments     Opts	⊘ :
		I ← Getting Started	◎ + :
		₩ d <sup>o</sup> Course Preamble	⊘ :
		ii 🔗 System Check & Computer Setup	⊘ :
		OnMusic Appreciation Course Description Guide     Opts	⊘ :

12. Click 'Delete' to delete the module:

	View Progress + Module
🛛 🔹 C4E App Launch	◎ + :
- Instructor Resources	<ul> <li>Nove Contents</li> <li>              Move Module      </li> </ul>
o <sup>o</sup> Instructor Guide: Section 1	🗇 Delete

13. After deleting the 'C4E App Launch' module, each individual module on your 'Modules' menu will need to be published. To publish, click the Publish icon to the right of each individual module (this will publish *all* items within the module):

	C4E
# + SECTION 1: BASIC MUSICAL CONCEPTS	• +
ECTION 1: BASIC MUSICAL CONCEPTS	<b>o</b> :
∦ + Class 1: Unity and Variety	0 + :
🗄 🔗 Unity and Variety	•
ii 📴 Unity and Variety Assessment	<b>o</b> :
Example 2 Standard Assignment 1: Identify Musical Ideas	<b>o</b> :
-	
# v Class 2: The Performer's Role	◎ + :
ii 🔗 The Performer's Role	⊘ :
Performer's Role Assessment	⊘ :

The 'Publish' icon may vary depending on which version of Canvas your school uses. Typically, once the module is published, the icon will go from gray to green. Please also note, to make this course available to students once it has been finalized, you will also need to publish the entire course, as discussed later in this document.

#### Step 5: Setting Up Your Gradebook

Once your course content has been pulled into your Canvas course shell, all coursework items will be listed under a generic 'Assignments' group in the gradebook. You will need to setup your Canvas gradebook to mirror the weights/values of the Connect For Education gradebook. This will ensure the accuracy of all grades being passed back. *Please note that this process may vary if your Connect For Education gradebook is set to a flat gradebook, and does not feature any weighted categories.* 

1. From the **Course Navigation** panel (left-side menu), click the **'Assignments'** link and select the **'+ Group'** button:

Home		
Announcements	Search for Assignment	+ Grout
Assignments	∦  * Assignments	
Discussions	u	
Grades	Cass I: Unity and Variety Assessment	
People	Standard Assignment 1: Identify Musical Ideas	
Pages	Class 1: Unity and Variety Module   10 pts	
Files	Performer's Role Assessment Class 2: The Performer's Role Module   10 pts	
Syllabus		
Outcomes	E Structure of Music Assessment Class 3: Structure of Music Module   10 pts	
Quizzes	12 mm. Purpose of Music Assessment	
Modules	Purpose or Music Assessment	

2. Enter the name of the desired group (i.e., Quizzes) and click 'Save':

Add Assignment Group		×
Group Name:	e.g., Essay Group 1	
		Cancel Save

You will need to repeat this step to create all remaining gradebook groups.

Tip: if your course contains many quizzes, it might be helpful to rename the original 'Assignments' group to 'Quizzes,' therefore eliminating the need to move each and every quiz into a new group. To rename, simply click the three stacked dots to expand the Additional Options menu, and select 'Edit.'

3. Once your groups have been created, use the **Drag** buttons to the left of each coursework item to drag and drop into the correct assignment groups (i.e., move the Midterm Exam into the corresponding 'Midterm' group):

			(C2	1E
۰ ا	Writ	tten Assignments	+	:
	8	Standard Assignment 1: Identify Musical Ideas Class 1: Unity and Variety Module   10 pts	0	:
11	₽	Standard Assignment 2: Listening Perspectives Class 5: Types of Listeners Module   10 pts	0	:
	B	Standard Assignment 3: Analysis Class & Folk Music, Art Music, and All That Jazz Module   10 pts	0	:
	Þ	Standard Assignment 4: Concert Report Class 20: Synthesizer Module   10 pts	0	:
	P	Standard Assignment 5: Renaissance Period Class 32: Renaissance Sacred and Secular Music Module   10 pts	0	:
	Mid	Iterm Exam	+	:
	₽	Midterm Exam Class 21: MIDTERM EXAM Module   10 pts	•	÷
	Fina	al Exam	+	I
1	D	Final Exam Class 41: FINAL EXAM Module   10 pts	٥	:

4. After the groups have been arranged, the next step will be adjusting your group weights to match the category weights of the Connect For Education gradebook. Click the three stacked dots to the right of '+ Assignment' to expand the Additional Options menu:

Assignments	
Search for Assignment	+ Group + Assignment :
ii • Quizzes	Assignment Groups Weight
Unity and Variety Assessment Class 1: Unity and Variety Module   10 pts	⊘ :
Performer's Role Assessment           Class 2: The Performer's Role Module   10 pts	♥ :

5. Check 'Weight final grade based on assignment groups,' adjust your weights accordingly, and save:



Assignment Groups Weight			×
✓ Weight final grade based on assignment of the state	nent groups		
Quizzes	35	%	•
Written Assignments	15	%	
Midterm Exam	25	%	
Final Exam	25	%	
Total		100%	
		_	_
	Cancel	Sav	е

Percentages will update to the right of each group heading:

∷ •	Writ	ten Assignments	15% of Total	+	:
	P	Standard Assignment 1: Identify Musical Ideas Class 1: Unity and Variety Module   10 pts		0	:
:	P	Standard Assignment 2: Listening Perspectives Class 5: Types of Listeners Module   10 pts		0	:
	P	Standard Assignment 3: Analysis Class 6: Folk Music, Art Music, and All That Jazz Module   10 pts		0	:
:	P	Standard Assignment 4: Concert Report Class 20: Synthesizer Module   10 pts		0	:
	P	Standard Assignment 5: Renaissance Period Class 32: Renaissance Sacred and Secular Music Module   10 pts		0	:
	Midt	erm Exam	25% of Total	+	]:
	P	Midterm Exam Class 21: MIDTERM EXAM Module   80 pts		0	:
	Final	Exam	25% of Total	+	]:
8	P	Final Exam Class 41: FINAL EXAM Module   Not available until May 10   Due May 12 at 11:59pm   80 pts		0	:

*Please note, any manually-added gradebook items previously created in the Connect For Education gradebook will not carry over and will need to be recreated in your Canvas gradebook.* 

6. Once your gradebook has been fully setup, you may publish your course by clicking the '**Publish**' button on the right-side of your course Home page:

4.7.N N.2.4	C4ESUPPORT	Modules		C4E
Account	Home		View Progress + Module	Course Status
ිට Dashboard	Assignments	∷ ▼ Instructor Resources	$\circ$ + :	⊕ Choose Home Page
Courses	Discussions	ii 🔗 Instructor Guide: Section 1	⊘ :	Ind View Course Stream
Calendar	People	ii 🔗 Instructor Guide: Section 2	⊘ :	⑦ Course Setup Checklist ợ New Announcement
Ð	Pages Files	ii 🔗 Instructor Guide: Section 3	⊘ :	6d Student View
Inbox	Syllabus			Coming Up 3 View Calendar
	Outcomes Quizzes	ii ▼ Getting Started	● + :	Nothing for the next week
	Modules	ii 🔗 Course Preamble	•	
	Settings	🏢 🛷 System Check & Computer Setup	0 :	

#### Making Changes in Your Course

- Prior to importing content into your Canvas course shell, we encourage you to complete any customizations to your Connect for Education course on the C4E LTI course site (<u>https://lti.c4elink.org/</u>).
- Please note, once all content has been pulled in the first time, this process should only be repeated for newly created items (i.e., new discussion forums created after the initial content pull). Pulling content that has already been imported will result in duplication.
- With LTI integration, please be aware that you essentially have two course shells (one on Canvas and one on Connect For Education's LTI course platform). Once Connect for Education course content has been imported into your Canvas course shell, you must be cautious to maintain consistency between the course shells when making any changes. To prevent confusion, we strongly recommend mirroring your Canvas course structure with the course structure on Connect For Education's LTI site.
- □ As grades are synced regularly, there may be a very short amount of time where grades will be blank.
- The table below provides guidance on some common changes. As you will see, some changes can be made exclusively on the Canvas side, while others will require you to complete the changes on <u>BOTH</u> platforms (Canvas and the Connect For Education LTI site).



Types of Changes	Location of Change
Grading written assignments	When grading written assignments, you may do so directly from the C4E grading tool, which can be accessed from the Canvas assignment. This will record the grade on the C4E LTI course site, which will then be passed back to the Canvas gradebook during the grade sync.
Calculating final grades/Entering zeros for unsubmitted items	To calculate final grades, zeros will need to be manually entered for all unsubmitted course work. You will need to enter zeros directly in the Canvas gradebook. This cannot be done on the C4E LTI course site. We recommend performing this step very soon after an assignment deadline has closed, and once you are certain students can no longer submit this item. If assignments remain open after zeros have been entered, students will be able to complete the assignments and the grade they receive will override the zero with an updated score.
Adjustments to student grades	We recommend making all grade changes directly at the C4ELink LTI site. Doing so will ensure that the correct grade remains in the Canvas gradebook. Please be aware that any grade changes made in Canvas may be overwritten if there is an update to the grade in C4ELink.
Setting or adjusting class deadlines	We advise that all deadlines be implemented on the Connect For Education LTI course site to prevent any unnecessary confusion.
Modifying exam times or number of attempts for specific students	This will need to be done using the 'User overrides' feature on the Connect For Education LTI course site.
Modifications to <i>existing</i> assignment or discussion forum text*	This can only be completed on the Connect For Education LTI site.
	*Forums implemented directly in the Canvas LMS are an exception, and can be modified from Canvas.
Course/lesson ordering	While the course/lesson ordering can technically be different in Canvas, we suggest making changes on both platforms for the sake of consistency.
Adding announcements	As the Connect For Education course does not offer an 'Announcements' block, course announcements should be implemented in Canvas.
Creating new discussion forums	While new discussion forums can be created on either platform, forums created on the Connect For Education LTI site <i>after</i> course content has been pulled will need to be added in individually using the steps outlined earlier in this document.
Moving or deleting items	We suggest making changes on both platforms for the sake of consistency. Exercise caution when removing graded items



	from the course. You may need to review the impact on your course gradebook. If a quiz is being moved or removed, consider that the quiz questions may also be included on the Midterm/Final and may need to be adjusted.
Adding files/documents	While this can be done in either platform, files and documents added in Canvas may be more easily accessed by students. Files/documents added on the Connect For Education LTI site <i>after</i> course content has been pulled will need to be added in individually using the steps outlined earlier in this document.
Modifying point values for quizzes, assignments, and/or forums	To ensure accuracy of synced grades, this will need to be done on both platforms.
Modifying Gradebook structure/course grading scheme	As the gradebook is facilitated in Canvas, all adjustments must be maintained in Canvas. If you choose to reference the Connect For Education LTI course site for student grades, changes should be made there as well.

\*If you are interested in making a modification to your course and are unsure where a change should be made, please contact Connect For Education Technical Support and we would be happy to provide guidance.

#### Calculating Final Grades in Canvas

As a reminder, we recommend performing this step very soon after an assignment deadline has closed, and once you are certain students can no longer submit this item. If assignments remain open after zeros have been entered, students will be able to complete the assignments and the updated scores they receive will override any entered zeros.

Please also note, the grade sync process is unable to transmit grade values that exceed 100%. As a result, any course totals that exceed 100% (as a result of extra credit) will be transmitted to your Canvas gradebook as 100%.

- 1. Access your gradebook.
- 2. Locate the assignment you wish to enter zeros for.
- 3. Hover over the assignment title and click the **downward arrow icon.**
- 4. Select 'Set Default Grade'



		n 1 Assessment Out of 12	Duration Assessment Out of 10
-	Assignment Details	7	-
9	SpeedGrader	0	8
	Message Students Who		
	Set Default Grade	]	
	Curve Grades		
	Mute Assignment		

5. Enter '**0**' in the '**out of**' field. Do **NOT** check the '**Overwrite already-entered grades**' option as this will override all existing grades and enter zeros for those who have already completed the work and received a grade.

Default grade for Standard Assignment 2: Listening Perspectives
Give all students the same grade for <i>Standard</i> <i>Assignment 2: Listening Perspectives</i> by entering and submitting a grade value below: out of 10 Overwrite already-entered grades
Set Default Grade

- 6. Click 'Set Default Grade.' This will populate zeros in all empty grade fields for this assignment.
- 7. Repeat as necessary for all remaining assignments.