Single Sign-On (SSO) and Auto-Rostering

Assignment Sync and Grade Passback with Canvas

For Single Sign-On and Auto-Rostering Districts Only

The McGraw Hill LTI® Link: Grades and Assignment Integration tool syncs assignments and grades between the programs hosted on the McGraw Hill platform and your Canvas Learning Management System (LMS).

This document was last updated on 8/10/26. Be sure to view the most up-to-date version by checking our DTS community help site page.

For **Actively Learn** specific steps, refer to the Actively Learn Assignment Sync and Grade Passback with Canvas article.

For **StudySync** specific steps, refer to the StudySync Assignment Sync and Grade Passback with Canvas article.

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Class Pairing

Prior to syncing assignments and grades between your McGraw Hill classes and Canvas, you need to pair your class(es). Your McGraw Hill class is automatically generated by your district's nightly roster file that is sent to McGraw Hill.

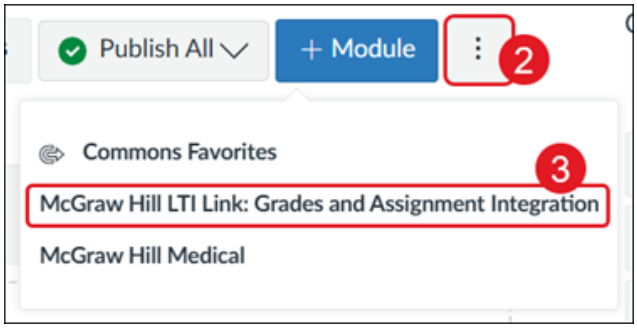
1. From your **Dashboard**, click on the Canvas course.

2. Click on the kebob button at the top-right of the page.

3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.

Note: Installation of this app is completed by your District Administrator. If you do not see the app, please reach out to your District Administrator or Curriculum Coordinator.



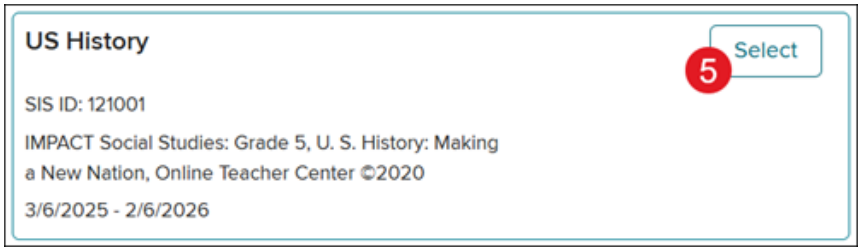
4. Click **Pair** to the right of the course tile.

Important! Make sure to only click Pair on the course tile that matches the course you selected.



5. On the **Course** section pop-up, click **Select** on the course tile that matches the course you selected.

Complete this step for every class that needs to be paired with the course you selected.



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Alternative Option: Smart Pairing

Some schools may have access to the **Suggest Pairings** (B) option. This button will automatically pair your classes to the selected course.

If you do not have the button available, this means your district does not have a matching identifier between your McGraw Hill classes and your Canvas classes. You will need to reach out to your district IT team to further inquire about this new feature.

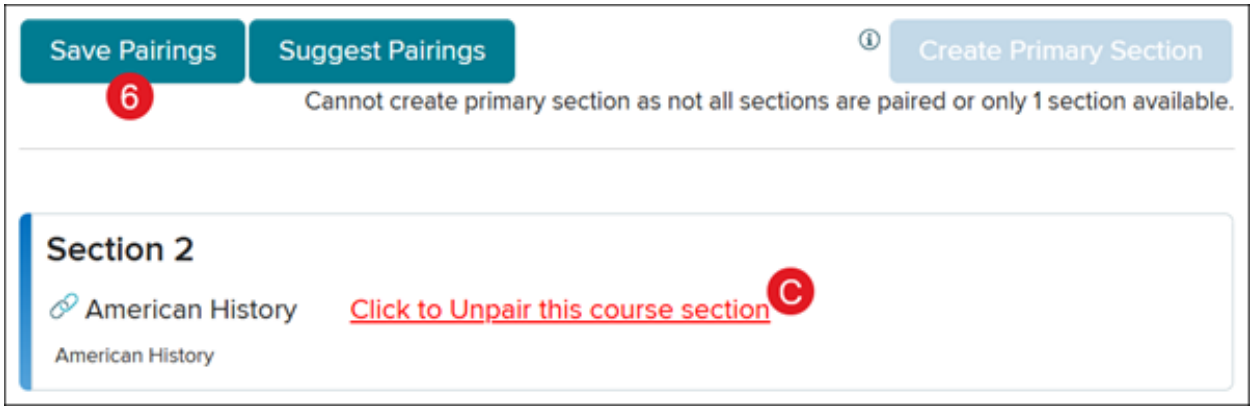
If using this option:

- Once your classes are paired, verify that the correct classes are linked to the course by scrolling through the list of classes on the pop-up.
- If a class was incorrectly paired, follow the Unpairing Classes steps.



6. Click the **Save Pairings** button.

C. If you would like to start over with pairing classes to the selected course, click the **Click to Unpair this course section** link.



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Stop and Double Check - Take time to double check and ensure your class pairings are correct before moving on. Incorrect class pairings, and any resulting issues, is a common issue.

7. Click the **Create Primary Section** button.

This will create an empty class for your McGraw Hill course with “Canvas Course” affixed to the title of the class. This class ***will not have any students rostered*** to it but will serve as the ***primary class for creating assignments*.**

Note: The *Create Primary Section* button is grayed out until all Canvas sections are paired with a McGraw Hill class or if there is only one class for the course.

IMPORTANT!

Do not archive the primary section or any of your classes on the McGraw Hill platform. Archiving these classes will prevent the integration between your McGraw Hill classes and Canvas classes from functioning properly.



8. Click the **Launch Primary Section** button to create assignments.



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Unpairing Classes

If a class has been paired by mistake and/or incorrectly, you can unpair it. Only classes paired in error should be unpaired.

Note: McGraw Hill content and assignments will not launch from your Canvas course if you unpair the class.

IMPORTANT!

If a Canvas class is deleted or unlinked prior to unpairing it from the McGraw Hill class, you will not be able to fully unpair it. You ***MUST*** first unpair the classes ***before*** deleting or unlinking the Canvas class.

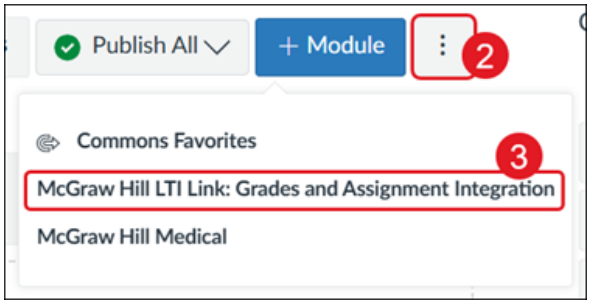
If you deleted the Canvas class before unpairing it, you will need to contact our DTS Customer Support team.

This also applies to any crosslinked classes. You ***MUST*** unpair your classes within the McGraw Hill LTI Link: Grades and Assignment Integration app before unlinking any classes. Failure to do so will break the connection to Canvas and prevent you from pairing the classes again at a later time.

1. From your **Dashboard**, click on the Canvas course.
2. Click on the kebob button at the top-right of the page.
3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.

Note: Installation of this app is completed by your District Administrator. If you do not see the app, please reach out to your District Administrator or Curriculum Coordinator.



4. Click the **Unpair** link to the right on the class tile.



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Create Assignments

IMPORTANT!

Students should access their first assignment through Canvas. This allows the McGraw Hill platform to begin syncing grades for that student to Canvas.

The student does not need to complete the assignment within Canvas if they would rather complete it within the McGraw Hill platform, they just need to launch it from the Canvas platform.

After the initial launch, students can then access and complete assignments through Canvas or the McGraw Hill platform.

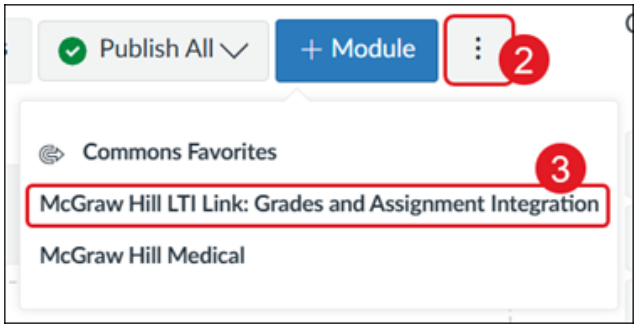
1. From your **Dashboard**, click on the Canvas course.

2. Click on the kebob button at the top-right of the page.

3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.

Note: Installation of this app is completed by your District Administrator. If you do not see the app, please reach out to your District Administrator or Curriculum Coordinator.



4. If you want the assignments created to be assigned to all classes in the Canvas course, you will want to click **Launch Primary Section**.

A. To assign assignments to only one class in the course, click the **Launch** button for that class.

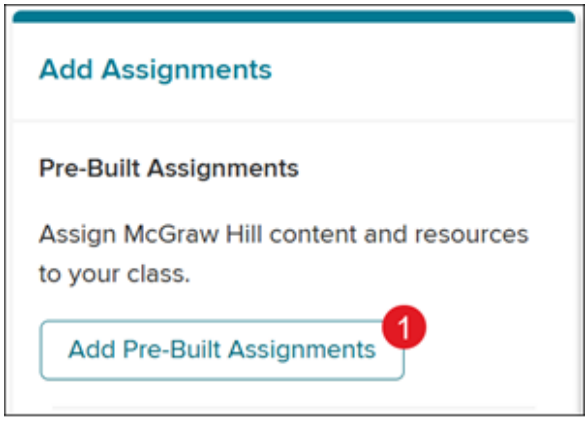


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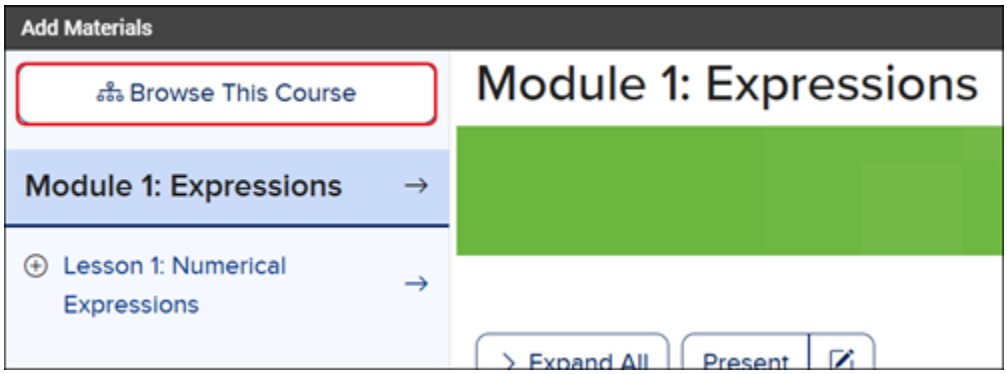
Pre-Built Assignments

You can create multiple assignments as needed; there is no limit to the number of assignments that can be created at one time. However, we do recommend not creating more than 5-7 at a time.

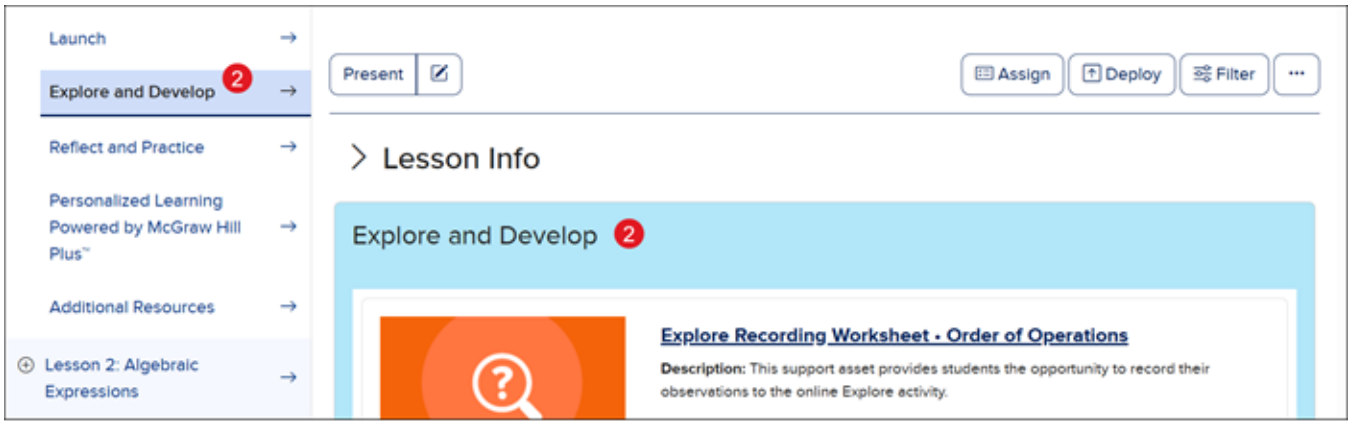
1. On the **Add Assignments** tile, click the **Add Pre-Built Assignments** button.



The last selected Chapter/Unit/Lesson will open by default. Click the **Browse This Course** button to navigate to a different location within the program.



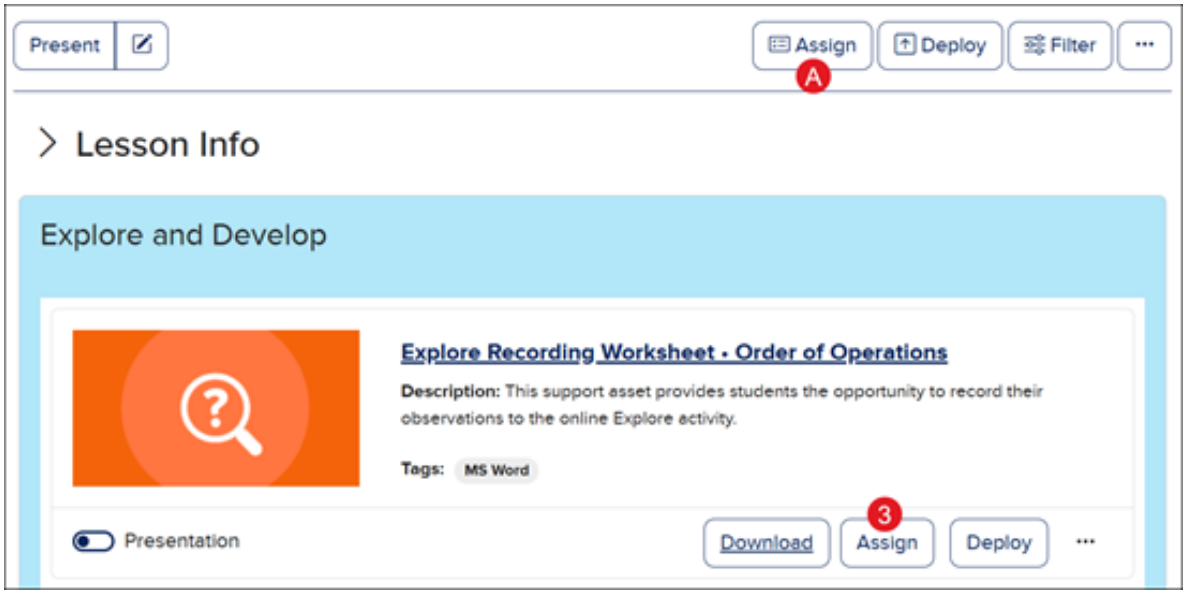
2. Click on a **blade** or click on an option in the **Course Navigation Panel** on the left to view the available resources.



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3. Click the **Assign** button on a resource tile to assign an individual resource.

Click the **Assign** (A) button at the top-right of the page to assign multiple resources at one time.

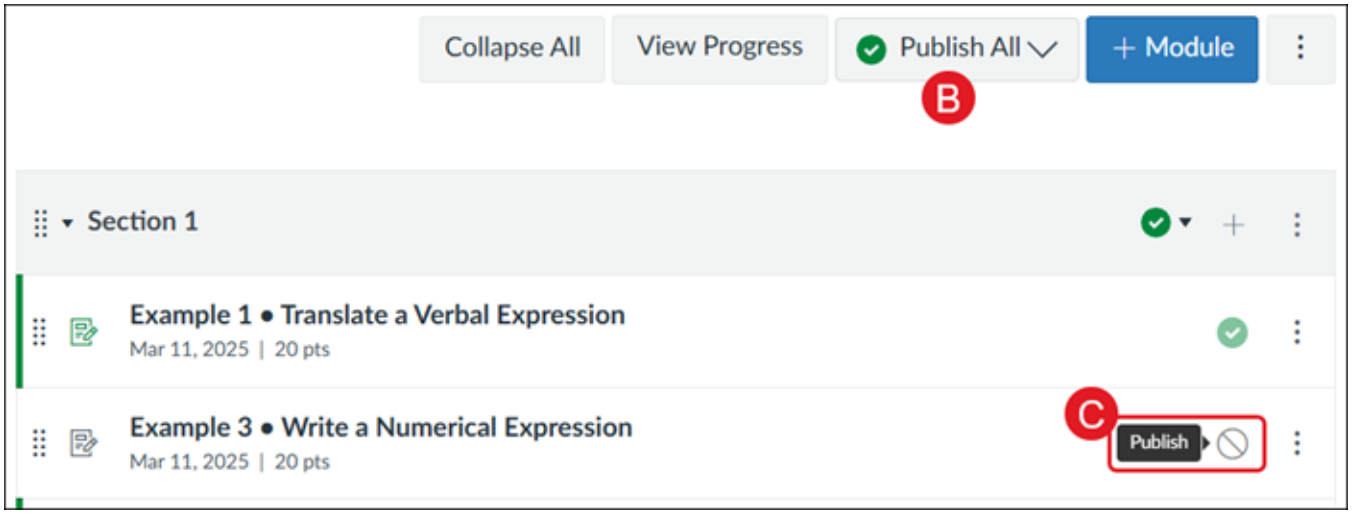


For in-depth instruction on how to create individual assignments, refer to the Open Learning - Create Assignments article.

For in-depth instruction on how to create bulk assignments, refer to the Open Learning - Create Bulk Assignments article.

Wait for the screen to close automatically. This will take around 10-20 seconds to process your new assignment before closing the screen. **If you close the screen manually, your assignments will not be created successfully.**

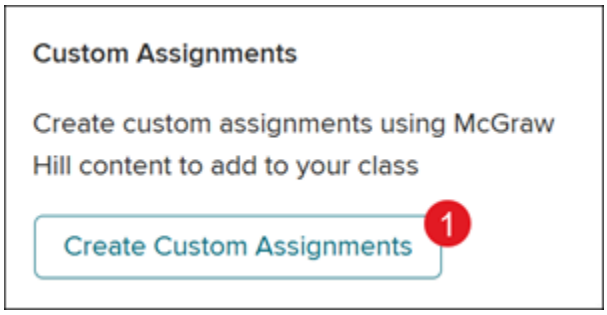
For students to be able to access the assignments, you first need to publish them within Canvas by clicking the **Publish All** (B) option or by clicking the **Publish** (C) button on each individual assignment.



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Custom Assignments

1. On the **Add Assignments** tile, click the **Create Custom Assignments** button.



2. Select the **Assignment Type**.

For in-depth instruction on creating **Instruction**, **Submission**, and **External Tool** assignments, refer to the Open Learning - Create Assignments article.

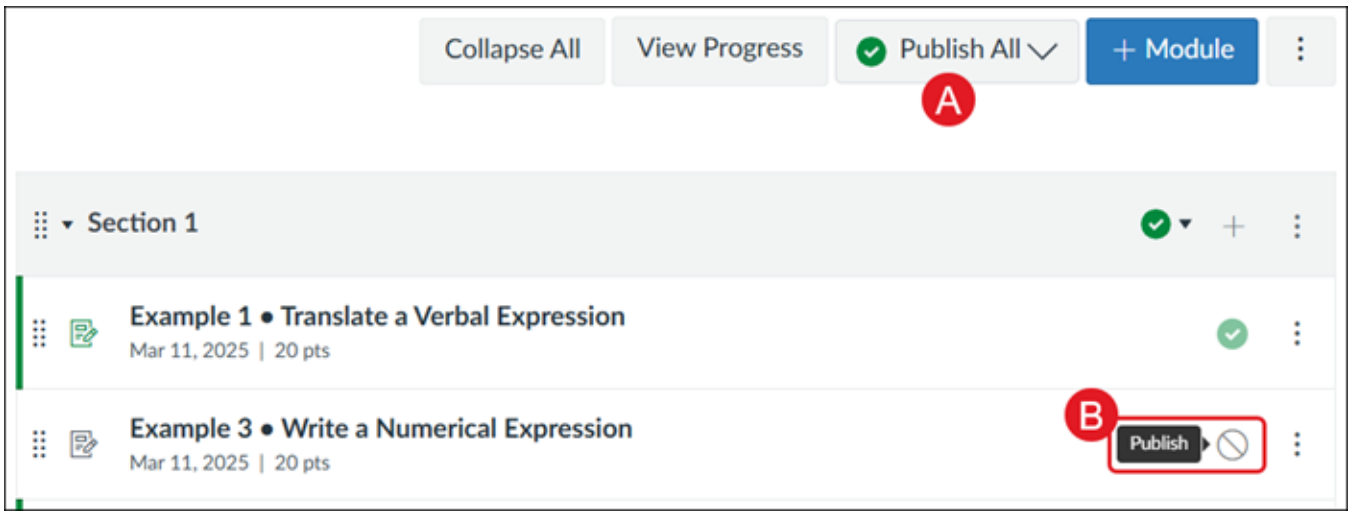
For in-depth instruction on creating **Online Questions** assignments, refer to the MH Assess - Assign Assessments article.

For in-depth instruction on creating **Personalized Learning/SmartBook/LearnSmart** assignments, refer to the Open Learning - Create SmartBook or LearnSmart Assignments article.

Note: Personalized Learning/SmartBook/LearnSmart is only available for select programs.

Wait for the screen to close automatically once you've created the assignment. This will take around 10-20 seconds to process your new assignment before closing the screen. **If you close the screen manually, your assignments will not be created successfully.**

For students to be able to access the assignments, you first need to publish them within Canvas by clicking the **Publish All** (A) option or by clicking the **Publish** (B) button on each individual assignment.



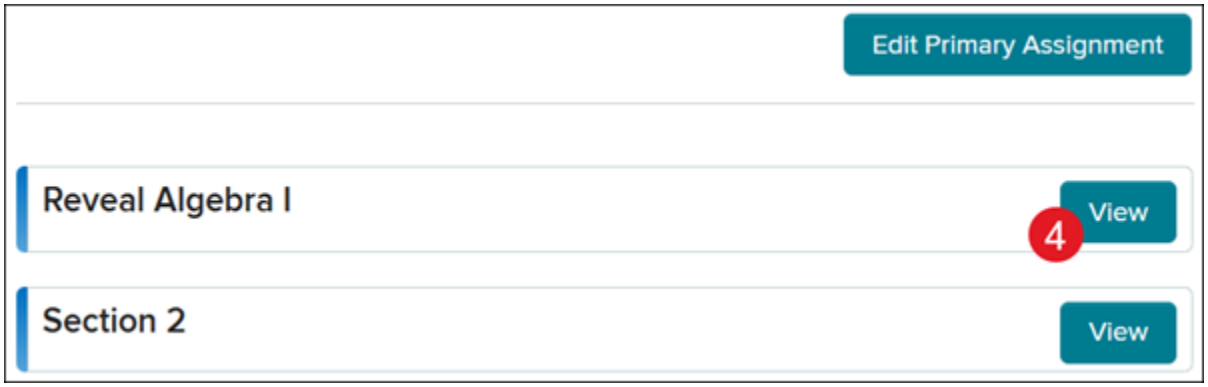
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View Assignments

You can view assignments in Canvas by selecting Home, Assignments, or Modules after you launch into the course.

Note: Student View will not function for viewing assignments from a student perspective. The Student View generates a fake student user in Canvas that enables you to view items from a student's perspective. Since this fake account does not exist within the McGraw Hill platform, any attempt to launch assignments will result in an error.

1. From your **Dashboard**, click on the Canvas course.
2. Click on **Home**, **Assignments**, or **Modules** from the left pane menu.
3. Click on the assignment name.
4. Click the **View** button for the class.



Note: It may take 2-3 minutes for assignments to appear for students and before the assignment can be successfully launched within Canvas. If you attempt to launch the assignment too quickly after creation, both students and teachers will receive a "CI2" error message.

Adjust Assignment Settings

IMPORTANT!

If you need to later make adjustments to the settings of an assignment, you must complete these changes within the McGraw Hill platform directly, or by launching the assignment as a teacher in Canvas.

If you attempt to make assignment edits within Canvas, they will not be reflected within McGraw Hill and may result in stopping the assignment from functioning in Canvas.

1. From your **Dashboard**, click on the Canvas course.

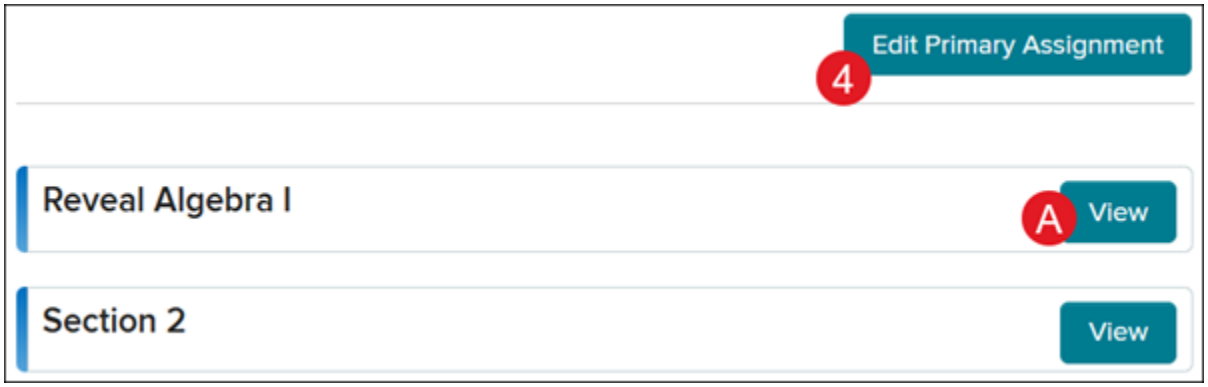
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2. Click on **Home**, **Assignments**, or **Modules** from the left pane menu.

3. Click on the assignment name.

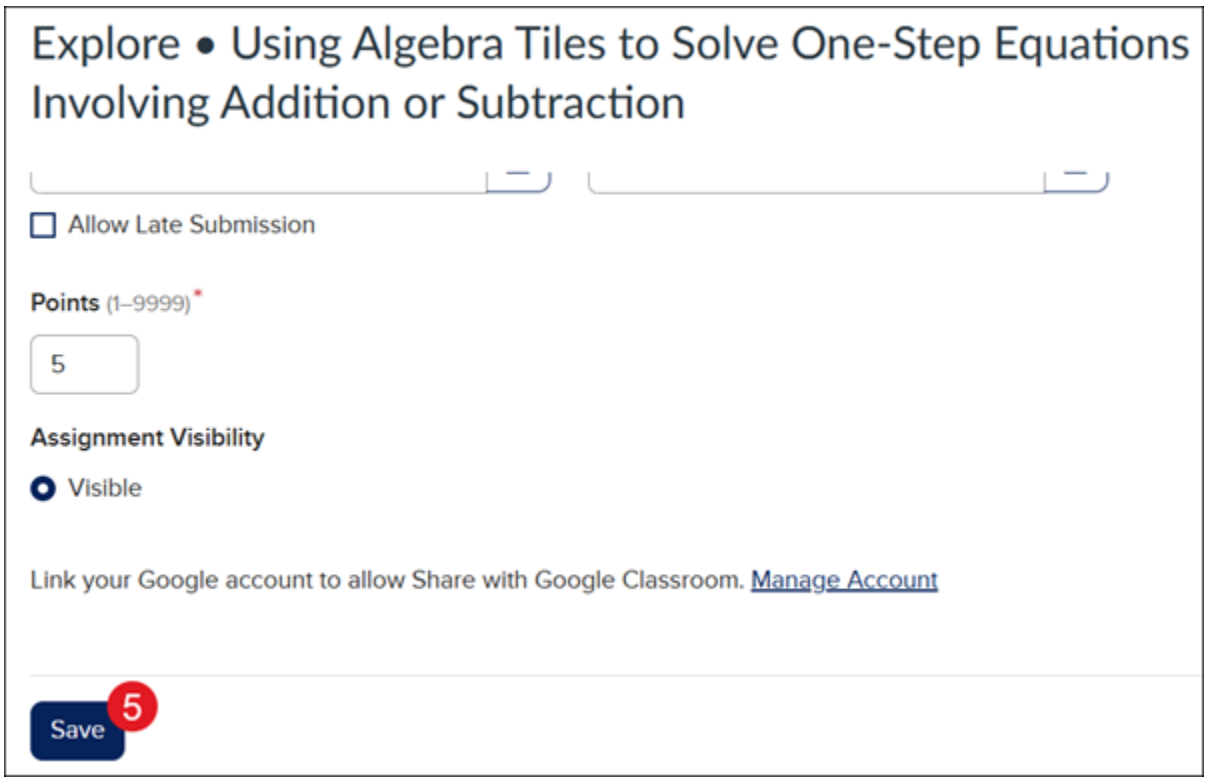
4. If the assignment was created through the **Primary Section** option, click the **Edit Primary Assignment** button.

A. If the assignment was created for an individual class within the course, click the **View** button for that class.



5. Make the preferred changes to the assignment settings and click the **Save** button.

Note: Depending on the type of assignment, some settings cannot be changed.



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Alternative Option: Edit from McGraw Hill Platform

1. From your **Dashboard**, click on the Canvas course.

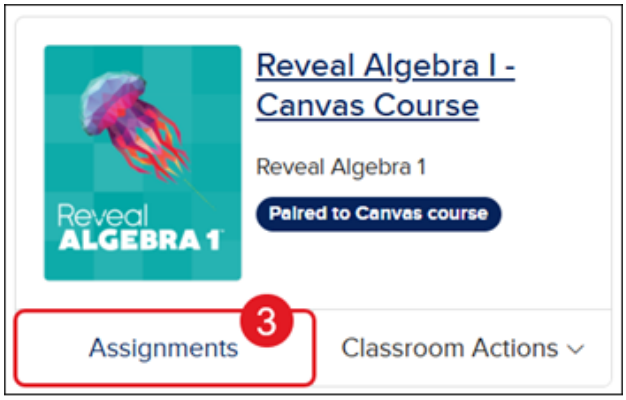
2. Click **McGraw-Hill Single Sign-On** from the left pane menu.

The McGraw Hill **My Programs** page will open in a separate browser tab.

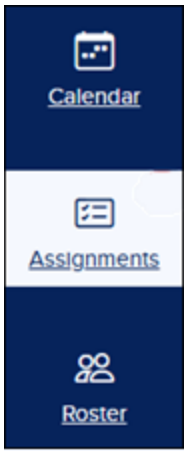


3. Click on the **Assignments** button on the course tile.

Note: The course will have “Canvas Course” included in the course title.



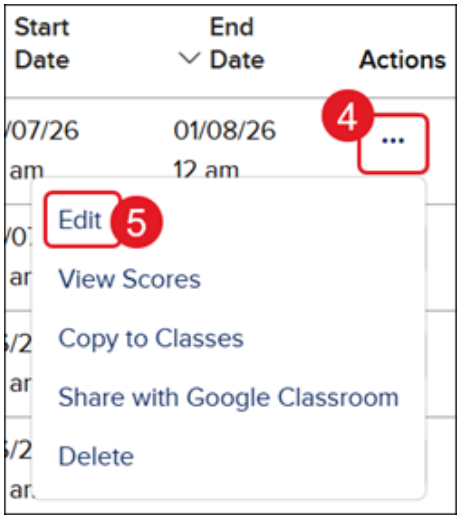
You can also click on the course name and click on **Assignments** from the navigation menu.



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4. Click on the **Options** button to the right of the assignment.

5. Click **Edit** from the menu.



6. Make the preferred changes and click **Save** at the bottom.

These changes will not be reflected in Canvas until you have resynced the assignments.

Resync Assignments

Resyncing assignments is an option available within the McGraw Hill LTI Link: Grades and Assignment Integration tool. This option syncs all assignments and their settings *from* McGraw Hill *into* Canvas.

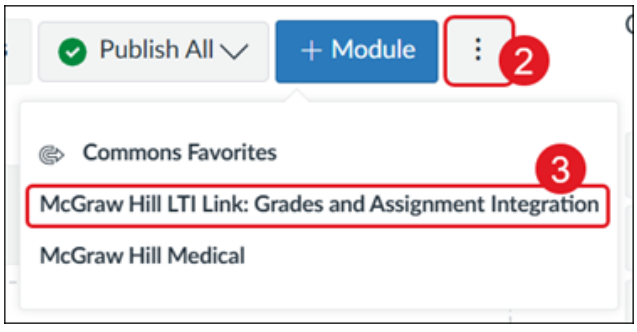
This allows you to sync settings back into Canvas if you make any changes to your assignments. This also gives teachers a direct way to manually trigger the assignment syncing process in the event any assignments have not automatically appeared in Canvas.

1. From your **Dashboard**, click on the Canvas course.

2. Click on the kebob button at the top-right of the page.

3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.



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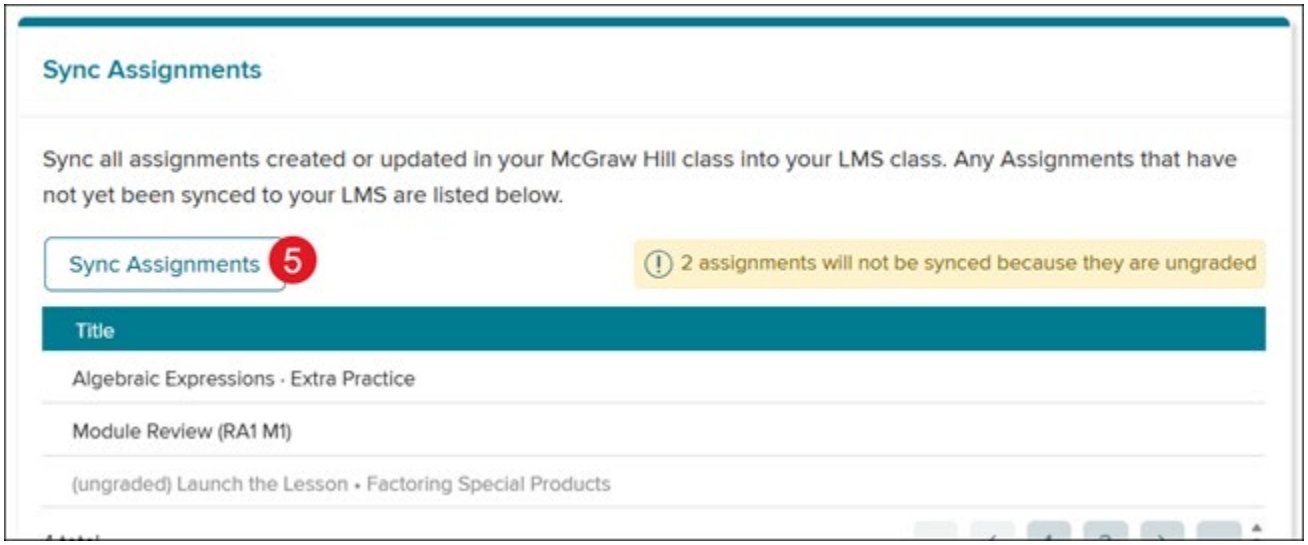
4. If you have created assignments to be assigned to all classes in the Canvas course, click **Launch Primary Section**.

A. If you have created assignments for only one class in the course, click the **Launch** button for that class.



5. Click the **Sync Assignments** button.

McGraw Hill will automatically check to see if there are any assignments that have not yet been synced to Canvas. These will be listed in the area below the **Sync Assignments** button.



Wait for the screen to close automatically. The loading screen may take 10-20 seconds to process the new assignments before closing.

If you close the screen manually, the assignments will not be created successfully.

Deep-Linking Assets and Resources

In addition to creating assignments, you can also create deep-links to McGraw Hill assets and resources within Canvas. This allows you to create links for users to launch resources in Canvas without necessarily making them into assignments.

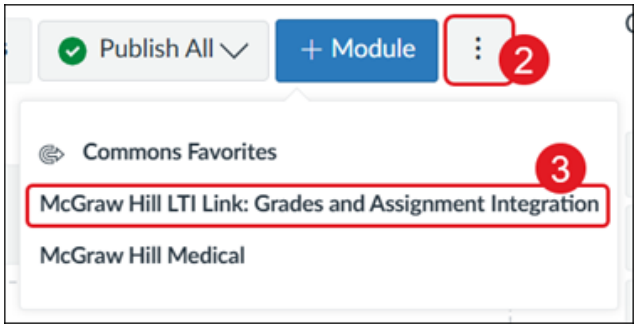
1. From your **Dashboard**, click on the Canvas course.

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2. Click on the kebob button at the top-right of the page.

3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.

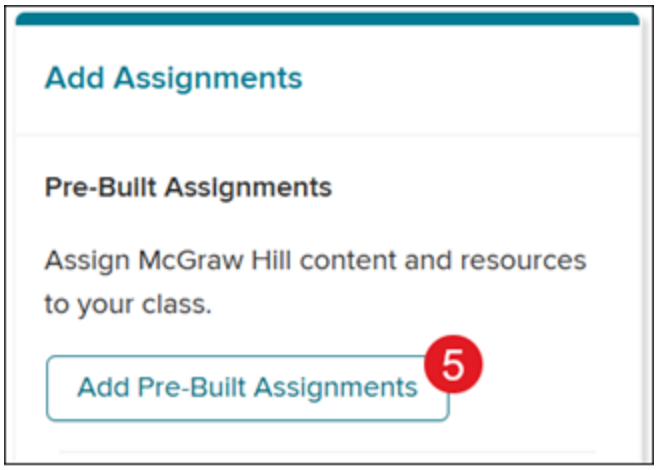


4. To link resources to all classes in the course, click **Launch Primary Section**.

A. To link resources for only one class in the course, click the **Launch** button for that class.

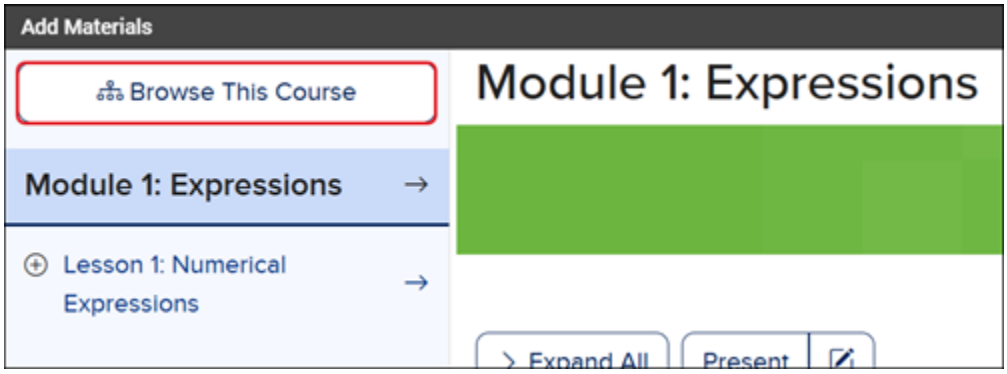


5. On the **Add Assignments** tile, click the **Add Pre-Built Assignments** button.

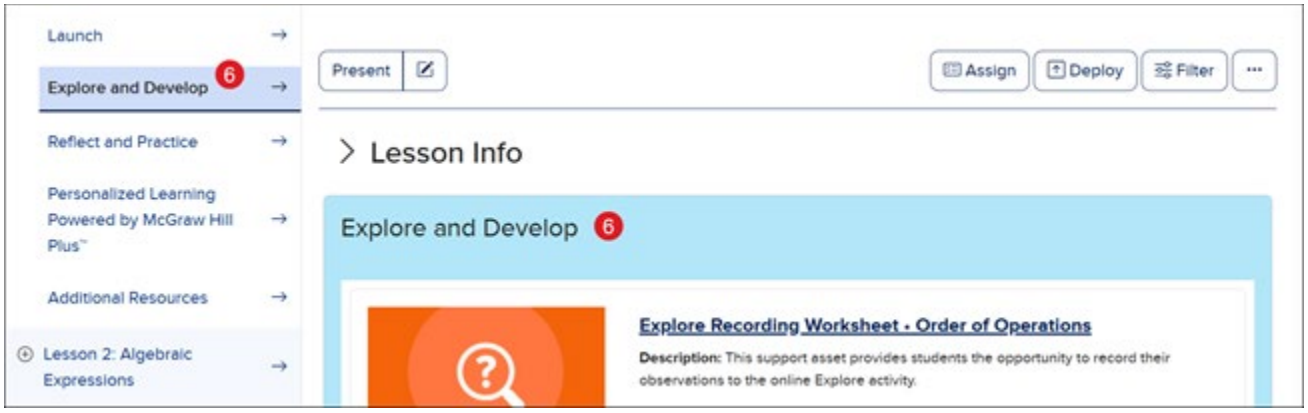


The last selected Chapter/Unit/Lesson will open by default. Click the **Browse This Course** button to navigate to a different location within the program.

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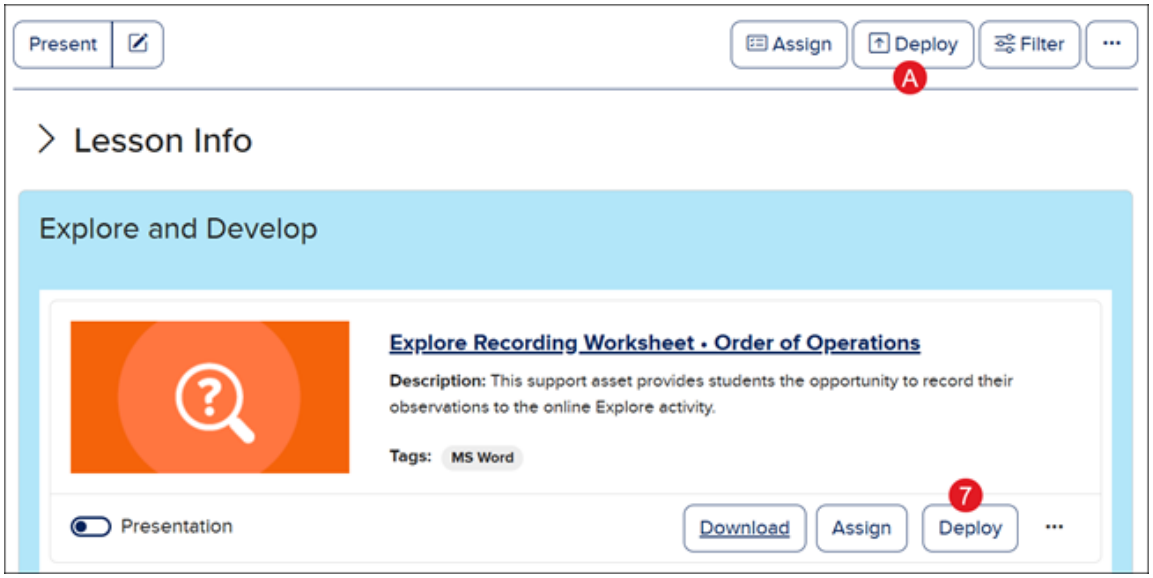


6. Click on a **blade** or click on an option in the **Course Navigation Panel** on the left to view the available resources.



7. Click the **Deploy** button on a resource tile to assign an individual resource.

Click the Deploy (A) button at the top-right of the page to assign multiple resources at one time.



These resources will now appear within your Canvas course. To allow students access to these linked resources, you will first need to publish them from within Canvas.

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Grade Completed Assignments

Assignments can be graded from within Canvas by launching the assignment.

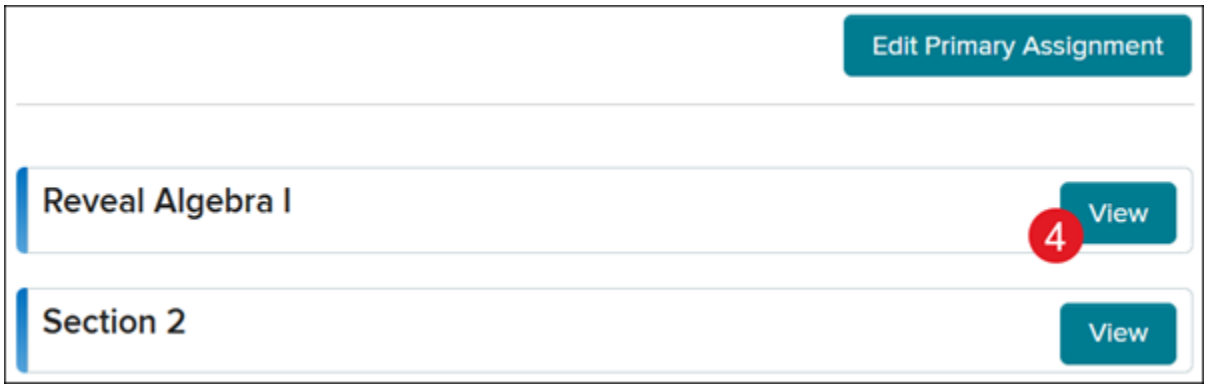
Note: Assignments can only be graded from within each section directly. Launching the Primary Section will only allow you to edit the assignment settings.

1. From your **Dashboard**, click on the Canvas course.

2. Click on **Home**, **Assignments**, or **Modules** from the left pane menu.

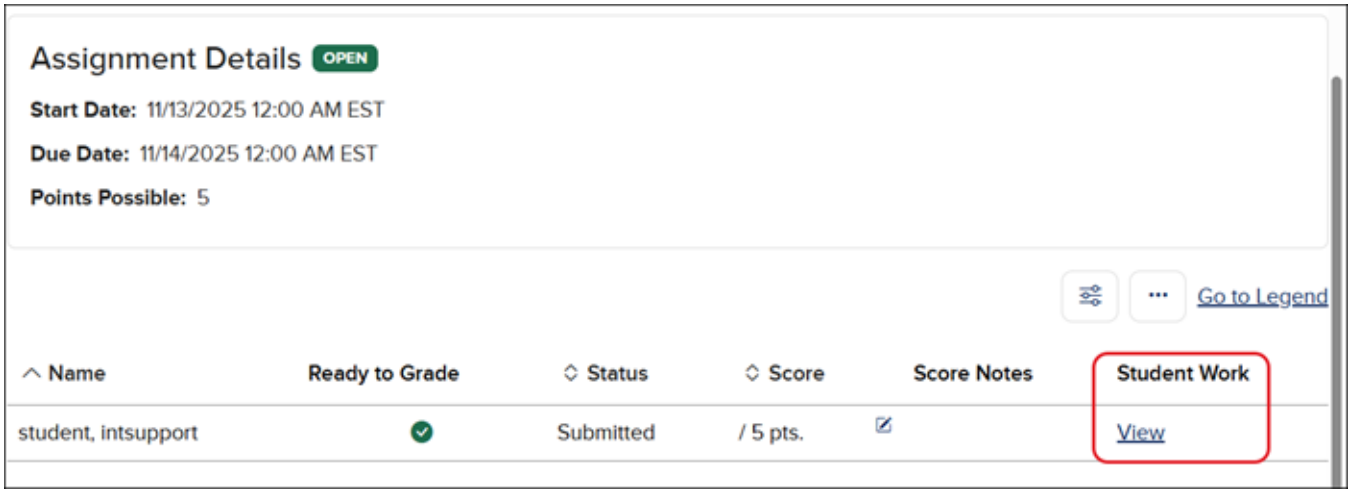
3. Click on the assignment name.

4. Click the **View** button for the class.



5. Depending on the assignment type, click the **View** or **View Scoresheet** link in the **Student Work** column.

For in-depth instructions on grading different assignments, refer to the Open Learning - Grade Assignments article.



Grades will automatically sync to the Canvas gradebook and can be viewed on the **Grades** page. Any assignments that require manual scoring will not show on the Grades page until scored.

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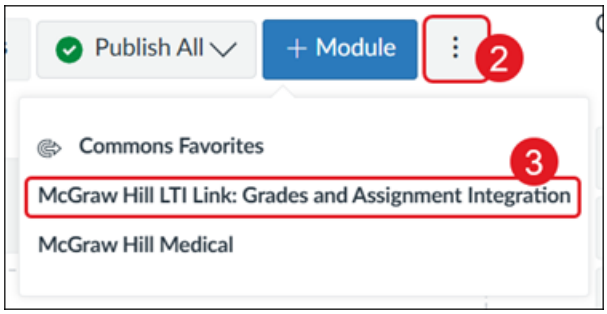
Resync Grades

1. From your **Dashboard**, click on the Canvas course.

2. Click on the kebob button at the top-right of the page.

3. Click **McGraw Hill LTI Link: Grades and Assignment Integration** from the menu.

To have access to this menu, you must be on the **Home** or **Modules** page.



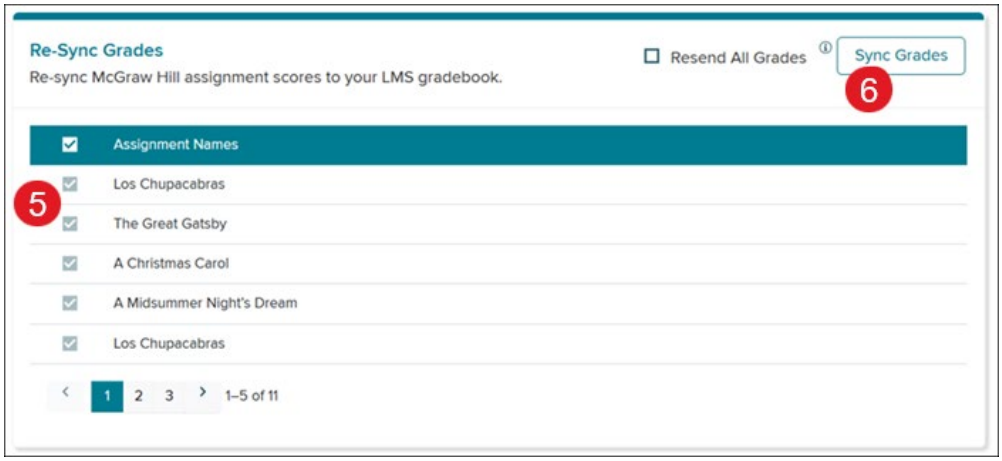
4. If the assignments were created to be assigned to all classes in the Canvas course, you will want to click **Launch Primary Section**.

A. If the assignments were only assigned to one class in the course, click the **Launch** button for that class.



5. On the **Re-Sync Grades** tile, checkmark the assignment(s) that needs to be resynced.

6. Click the **Sync Grades** button.



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Troubleshooting Tips

Error Messages on Student Launch

Common Errors: ID5, ER4, SE4 - Most likely caused by a rostering mismatch between Canvas and McGraw Hill.

1. Ensure your class(es) are paired correctly. If your class(es) are not paired correctly, then the rosters will not match.

2. Ensure the student is properly enrolled in the class within McGraw Hill. New students may take several days after enrollment to sync into McGraw Hill.

3. Ensure you are not using “Student View” in Canvas. This view will not work and is not indicative of the experience students will have.

"CI2" Error Message

Most of the time this is caused when launching an assignment too quickly after creation.

1. Ensure you and students are waiting 2-3 minutes after assignment creation to launch it.

2. Ensure the assignment “start date” has passed. Assignments with future start dates cannot be launched by students.

"L500" Error Message

Often indicative of a greater issue with the district's installation of the app. The issue may exist on either the district side or the McGraw Hill side.

Reach out to your District Administrator contact support for this error.

Assignments and Grades Not Syncing Properly

Most of the time this is caused by incorrect class pairings.

1. Ensure your class(es) are paired correctly by reviewing the class pairings section. If your class(es) are not paired correctly, assignments and grades will not function as needed and may result in additional errors.

2. Ensure you are creating assignments at the proper level. The Primary Section should be used if assigning to all classes. If creating assignments directly within McGraw Hill, make sure you are creating assignments within the class that has "Canvas Course" in the title.

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Grades Not Syncing for Some Students

If only some students within a class do not have grades populating in the Canvas gradebook, but other students do, this indicates some students have not launched an assignment directly from within Canvas this school year.

Ensure the student launches any active assignment from directly within Canvas. You can then manually sync grades through the McGraw Hill tool to populate all grades for this student within the Canvas gradebook.

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