



# Learning Center & D2L / Brightspace

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The Townsend Press Learning Center now supports LTI 1.3 integration with D2L / Brightspace! This development brings Learning Center content, Single Sign-on (SSO) access, and grade sharing to D2L / Brightspace. This guide explains the 4 steps needed to configure LTI 1.3 integration for your program. Pictures are included after each step.

*Note: A D2L / Brightspace administrator should complete these steps.*

## Setup Guide for D2L / Brightspace and the Learning Center

### Step 1 of 4: Register the Learning Center as an LTI Tool

1. Sign into Brightspace as an Administrator.
2. Click **Admin Tools** (the gear icon) and select **Manage Extensibility** (Figure 1).
3. Click the **LTI Advantage** tab and select **Register Tool** (Figure 2).
4. Select the **Standard** registration option and complete the form as shown (Figure 3):
  - **Name:** Townsend Press
  - **Description:** This tool gives you access to the Townsend Press Learning Center.
  - **Domain:** <https://www.townsendpress.net>
  - **Redirect URL:** <https://www.townsendpress.net/lti13/launch>
  - **OpenID Connect:** <https://www.townsendpress.net/lti13/login>  
**Login URL**
  - **Target Link URL:** <https://www.townsendpress.net/lti13/launch>
  - **Keyset URL:** <https://www.townsendpress.net/.well-known/jwks.json>
  - **Extensions:** Choose the extensions you want for your tool deployment(s). Unchecked items will be unavailable. Extension details are explained below.
    - **Assignments and Grade Services:** Optional. This setting allows scores from the Learning Center to post to D2L / Brightspace gradebooks. **Note:** The Learning Center hosts thousands of assignments and can quickly clutter course gradebooks. *Use caution when choosing this option.*
    - **Deep Linking:** Do not check. This feature is not supported.

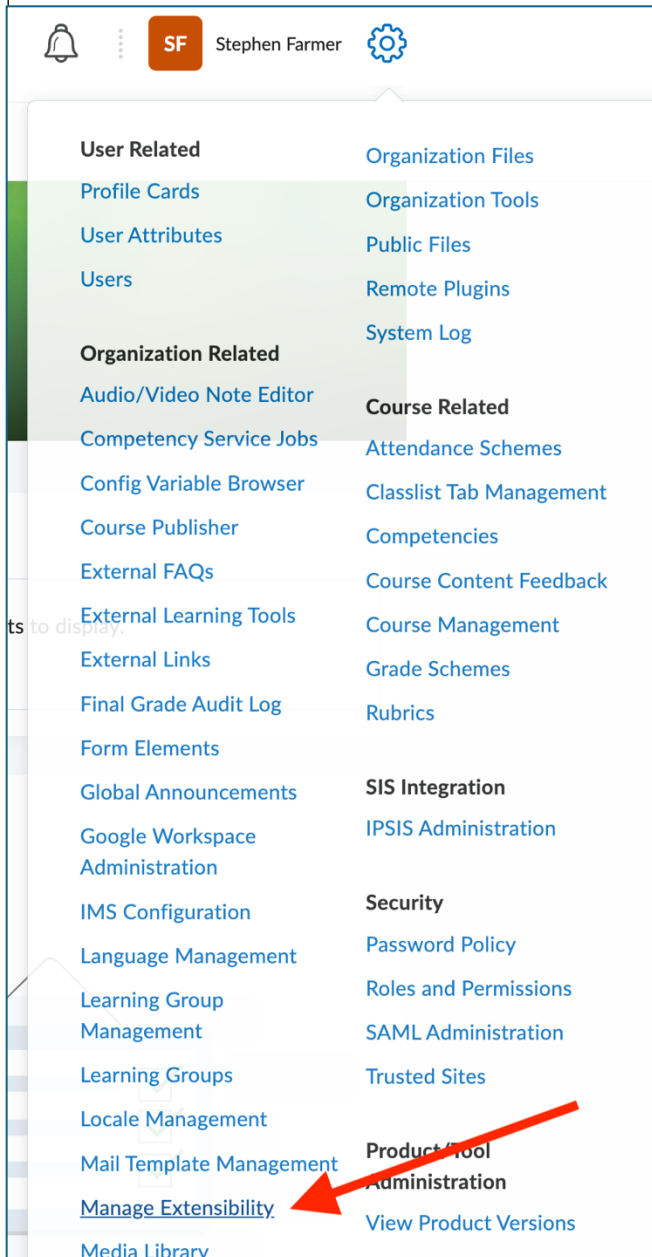
- ▶ **Names and Roles Provisioning Services:** Optional. This setting allows D2L / Brightspace to automatically supply the Learning Center with complete class rosters of students and teachers. If unchecked, users will be added individually when they access the Learning Center from Brightspace.
  - ▶ **Platform Notification Service:** Do not check. This feature is not supported.
  - **Roles:** Do not check. Roles are handled elsewhere in our integration.
  - **Substitution Parameters & Custom Parameters:** Leave blank. Unneeded.
5. Press **Register** to complete your tool registration. A Brightspace Registration Details pop-up window should appear (Figure 4).
6. Email your Brightspace Registration Details to us at [LMS@townsendpress.com](mailto:LMS@townsendpress.com). Please use the **copy button** next to each item to paste the *exact details* into your email. We need the following information to complete your setup:
- ▶ Client ID
  - ▶ Brightspace Keyset URL
  - ▶ Brightspace OAuth2 Access Token URL
  - ▶ OpenID Connect Authentication Endpoint
  - ▶ Brightspace OAuth2 Audience
  - ▶ Issuer

That's it! You've completed Step 1. Continue to Step 2 to create a deployment.

**Note:** You will not be able to test this integration until we receive and process your Registration Details. *We will contact you when the integration is ready to test.*

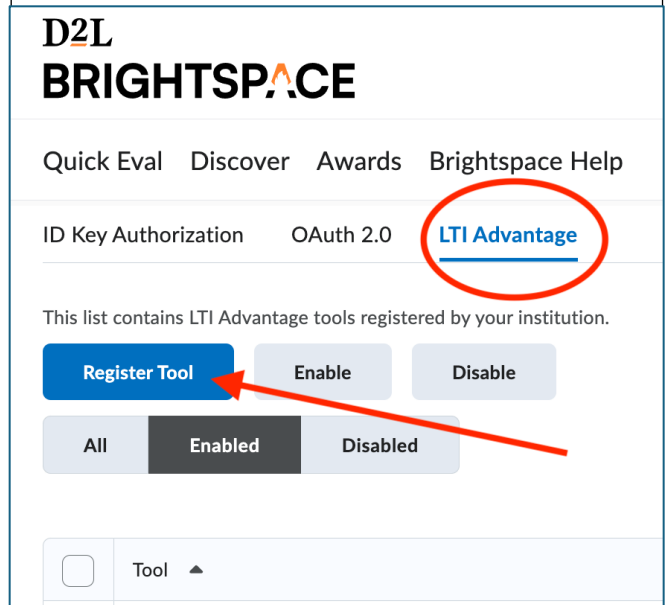
**Figure 1**

Click **Manage Extensibility** here.



**Figure 2**

Click **LTI Advantage** and **Register Tool** here.



**See Figures 3 and 4  
on next pages  
to complete this step.**

**Figure 3**

Complete **Register Tool** form as indicated below.

Quick Eval Discover Awards Brightspace Help

## Register a Tool

How would you like to register your tool?  
[What is Dynamic vs. Standard Registration?](#)

☒ Standard  
☐ Dynamic

Enabled  
☒

Name \*  
Townsend Press

Description  
This tool gives you access to the Townsend Press Learning Center

Domain \*  
https://www.townsendpress.net

Redirect URLs \*  
https://www.townsendpress.net/lti13/launch ×  
[+ Add Redirect URL](#)

OpenID Connect Login URL \*  
https://www.townsendpress.net/lti13/login

Target Link URI  
https://www.townsendpress.net/lti13/launch ?

Keyset URL  
https://www.townsendpress.net/.well-known/jwks.json

Extensions  
[What are Extensions?](#)

☒ Assignment and Grade Services  
☐ Deep Linking  
☒ Names and Role Provisioning Services  
☐ Platform Notification Service

Roles  
☒ Send Institution Role ?

Substitution Parameters  
[What are Substitution Parameters used for?](#)  
No items found.  
[+ Add Substitution Parameter](#)

Custom Parameters  
[What are Custom Parameters used for?](#)  
No items found.  
[+ Add Custom Parameter](#)

[Register](#) [Cancel](#)

**Figure 4**

**Brightspace Registration Details** appear as shown. They must be sent to Townsend Press to complete registration.

**Brightspace Registration Details**

**Client Id**  
22d80c7b7e2942a0bb7-22d80c7b7e2942a0bb7

**Brightspace Keyset URL**  
<https://townsend.d2l-partners.brightspace.com/d2l/.well-known/jwks>

**Brightspace OAuth2 Access Token URL**  
<https://auth.brightspace.com/core/connect/token>

**OpenID Connect Authentication Endpoint**  
<https://townsend.d2l-partners.brightspace.com/d2l/lti/authenticate>

**Brightspace OAuth2 Audience**  
<https://api.brightspace.com/auth/token>

**Issuer**  
<https://townsend.d2l-partners.brightspace.com>

[View Deployments](#)

Done

## Step 2 of 4: Create a Deployment

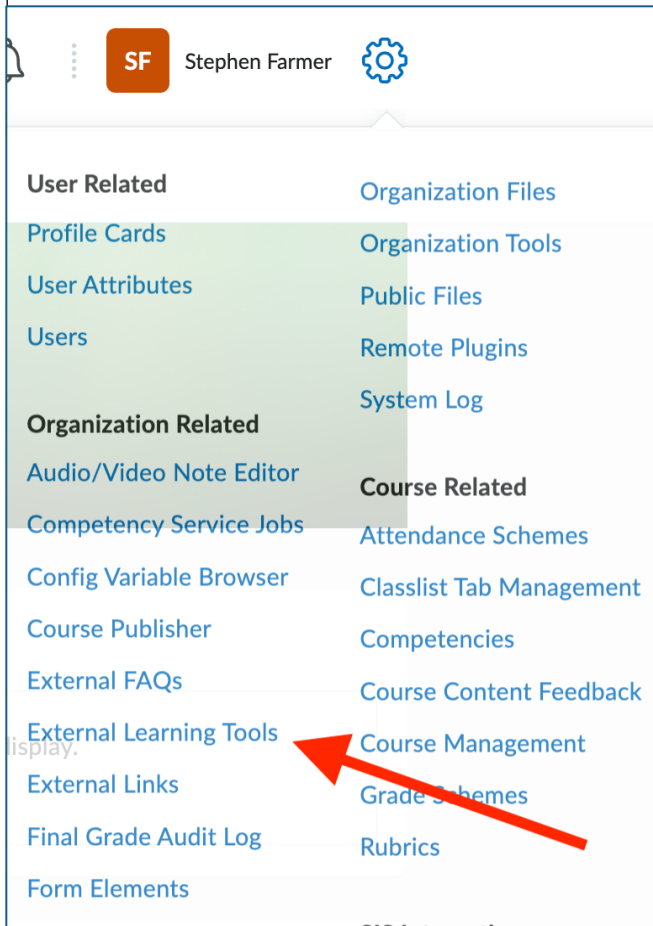
1. Sign into Brightspace as an Administrator.
2. Click **Admin Tools** (the gear icon) and select **External Learning Tools** (Figure 5).
3. Click the **LTI Advantage** tab and select **New Deployment** (Figure 6).
4. Complete the **Deploy Tool** form as shown (Figure 7).
  - **Enabled:** This must be checked.
  - **Auto Migrate Links:** Skip. We do not support Legacy Links.
  - **Tool:** Choose the tool you registered in Step 1.
  - **Name:** Townsend Press
  - **Description:** Optional
  - **Extensions:** Select these two supported extensions:
    - **Assignments and Grade Services**
    - **Name and Role Provisioning Services**
  - **Security Settings:** Check the following:
    - **Org Unit Information:** Required
    - **First Name:** Required
    - **Last Name:** Required
    - **Email:** Recommended
    - **Classlist including users not known to this deployment:** Required
  - **Configuration Settings:** Check the following:
    - **Open as External Resource:** Required
    - **Grades created by LTI will be included in Final Grade:** Optional. See the help pop-up on the form.
    - **Auto Create Grade Items:** Optional. See the help popup on the form.
  - **Substitution Parameters:** Skip. None are required.
  - **Custom Parameters:** Skip. None are required.
  - **Add Org Units:** Required. See note below.

**Important:** *You must click **Add Org Units** to make this tool deployment available to courses. Check all that apply and press the **Add** button. Our sample screenshot (Figure 7) shows that one organization (townsend) and three courses (ENG 1, 2, and 3) have been given access. Contact your D2L / Brightspace support specialist if you are uncertain which Org Units should be added. Note: You will not be able to create links to the Townsend Press Learning Center if this is not set up correctly.*
5. Confirm each entry is correct and click **Create Deployment**. A window will pop up to show your deployment ID. Press **Done** to close this window.

That's it! You've completed Step 2! Continue to Step 3 to create a course link.

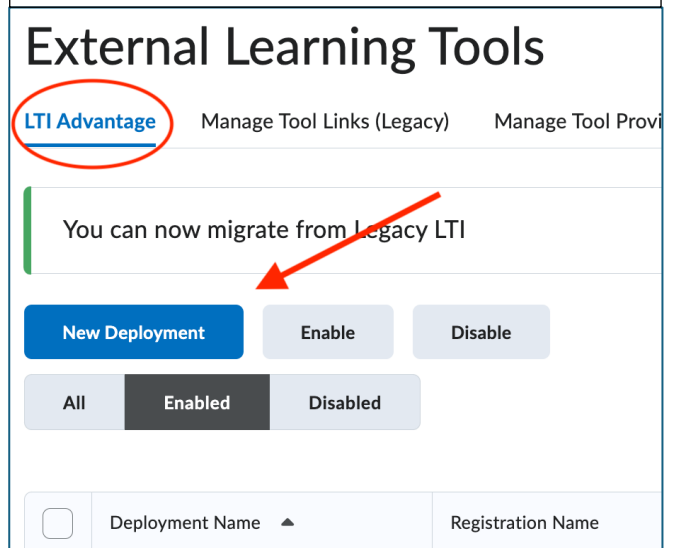
**Figure 5**

Click **External Learning Tools** here.



**Figure 6**

Click **New Deployment** under LTI Advantage.









**See Figure 7  
on next page  
to complete this step.**

**Figure 7**

Complete **Deploy Tool** form as indicated below.

D2L  
BRIGHTSPACE

 Stephen Farmer 

[Quick Eval](#) [Discover](#) [Awards](#) [Brightspace Help](#)

## Deploy Tool

Enabled ☒

Auto Migrate Links ☒

Tool \*  
Townsend Press

Name \*  
Townsend Press

Description  
Access the Townsend Press Learning Center

**Extensions**  
What are Extensions?

☒ Assignment and Grade Services  
☐ Deep Linking  
☒ Names and Role Provisioning Services  
☐ Platform Notification Service  
☐ Context Copy Notice

**Security Settings**  
Select the information to share with the tool:

☐ Anonymous  
☒ Org Unit Information  
☐ User Information  
☐ Name  
☒ First Name  
☐ Middle Name  
☒ Last Name  
☒ Email  
☐ User ID  
☐ Username  
☐ Org Defined Id  
☐ Link Information  
☐ Title  
☐ Description  
☒ Classlist including users not known to this deployment

**Configuration Settings**

☒ Open as External Resource  
☐ Grades created by LTI will be included in Final Grade  
☐ Auto Create Grade Items

**Substitution Parameters**  
What are Substitution Parameters used for?

No items found.

[+ Add Substitution Parameter](#)

**Custom Parameters**  
What are Custom Parameters used for?

No items found.

[+ Add Custom Parameter](#)

Make tool available to:  
[Add Org Units](#)

The Organization: townsend X  
The Course Offering: Course 1, ENG1 X  
The Course Offering: Course 2, ENG2 X

[Create Deployment](#) [Cancel](#)



## Step 3 of 4: Create a Link to the Tool Deployment

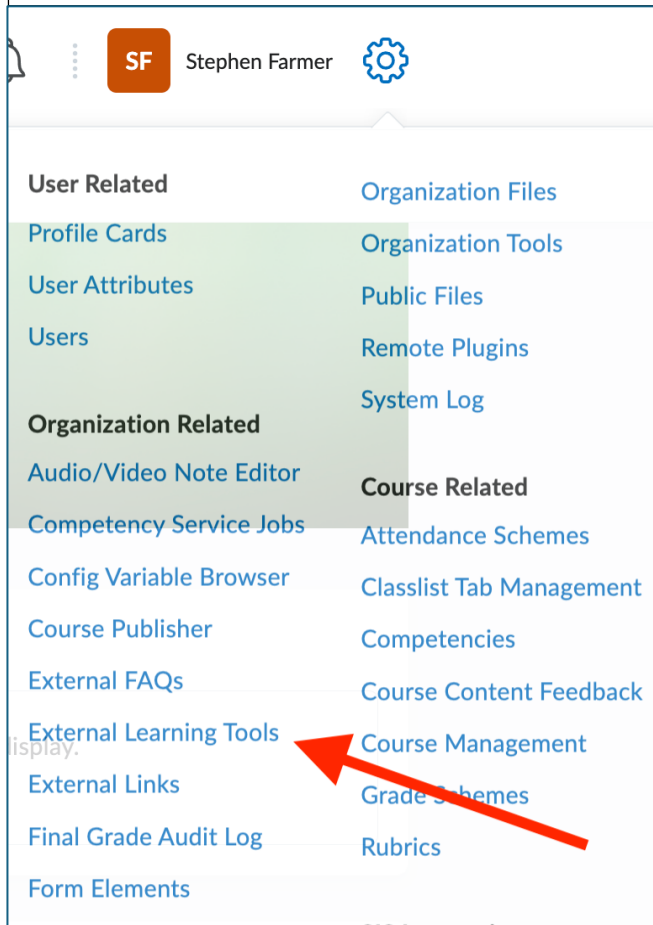
An LTI tool link connects users in D2L / Brightspace to the Learning Center. Links are easy to create, and where you place them in your course(s) is up to you. The directions below explain how to create a tool link and access it from a course. Consult your D2L / Brightspace support person if you need further assistance.

1. Sign into Brightspace as an Administrator.
2. Click **Admin Tools** (the gear icon) and select **External Learning Tools** (Figure 8).
3. Click the **LTI Advantage** tab and select the Townsend Press deployment you created (Figure 9).
4. Scroll to the bottom of the deployment page and click **View Links** (Figure 10).
5. Press the **New Link** button to create a link (Figure 11).
6. Fill in the link fields (Figure 12):
  - ▶ **Enabled:** This must be checked.
  - ▶ **Name:** Townsend Press
  - ▶ **URL:** <https://www.townsendpress.net/lti13/launch>
  - ▶ **Description:** Townsend Press Learning Center
  - ▶ **Type:** Basic Launch
  - ▶ **Substitution Parameters:** Skip. None are required.
  - ▶ **Custom Parameters:** Skip. None are required.
7. Press **Save and Close**.

That's it! You've created an LTI link to the Learning Center that can be used in the courses (organization units) you selected in Step 2. Continue to Step 4 to test the link in a course.

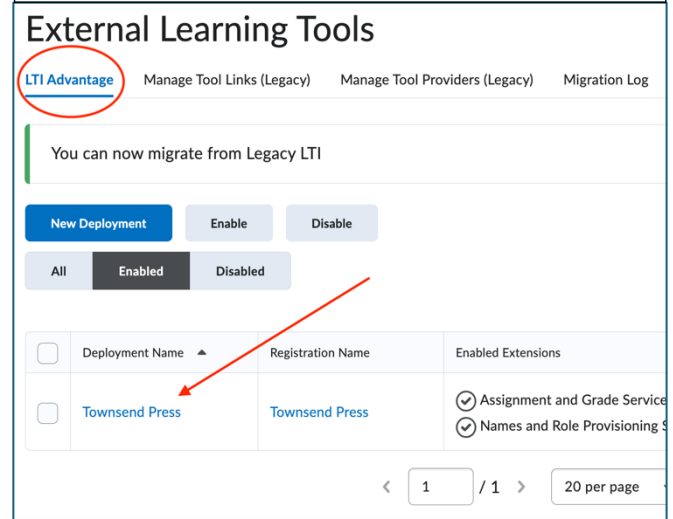
**Figure 8**

Click **External Learning Tools** here.



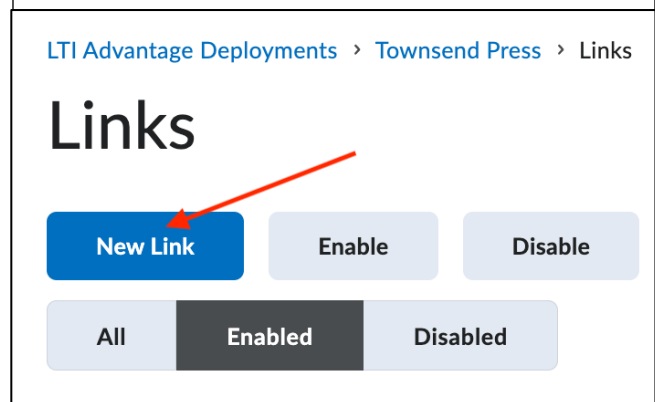
**Figure 9**

Click **LTI Advantage** tab and choose **Townsend Press**.



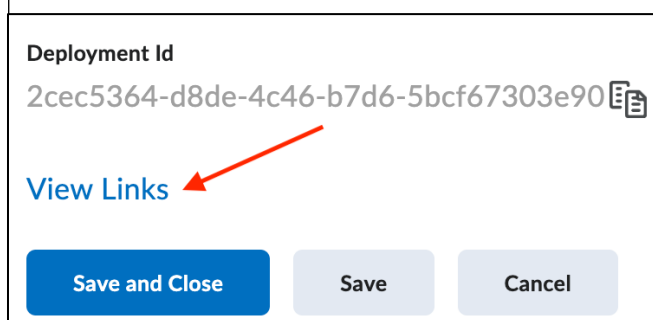
**Figure 11**

Select **New Link** to create a link.



**Figure 10**

Scroll to bottom of page and click **View Links**.



**See Figure 12  
on next page  
to complete this step.**

**Figure 12**

Complete the **Create Link** form as indicated below.

LTI Advantage Deployments > Townsend Press > Links > Create Link

## Create Link

Enabled

☒

Name \*

Townsend Press

URL \*

https://www.townsendpress.net/lti13/launch

Description

Townsend Press Learning Center

Type

Basic Launch ?

Substitution Parameters

[What are Substitution Parameters used for?](#)

No items found.

[+ Add Substitution Parameter](#)

Custom Parameters

[What are Custom Parameters used for?](#)

No items found.

[+ Add Custom Parameter](#)

[Save and Close](#) [Save](#) [Cancel](#)

## Step 4 of 4: Test the Townsend Press Link

Complete this step to ensure functionality. Any teacher or administrator who has permission to edit course content in D2L / Brightspace can perform this test.

1. Sign into D2L / Brightspace, click on an existing course, and select **content**. For our sample case, we added content called “Link Test” (Figure 13).
2. Click **Existing Activities** tab and select **External Learning Tools**. A list of available links will display. The Townsend Press LTI link will be listed (Figure 14). **Note:** if the tool link is not listed, it is likely that Org Units are not set correctly in your Deployment (Step 2). Review settings or ask your D2L / Brightspace administrator for help.
3. Click **Townsend Press** from the list of links. It will be added to the module area.
4. Click **Townsend Press** to launch the Learning Center and create assignments in your new integrated course (Figure 15).

That’s it! The test should have taken you straight to the Learning Center. If so, the link is working and ready for use in your course! If the link is not working, review your settings or contact your D2L / Brightspace administrator.

### Important Notes About D2L / Brightspace and Learning Center classes:

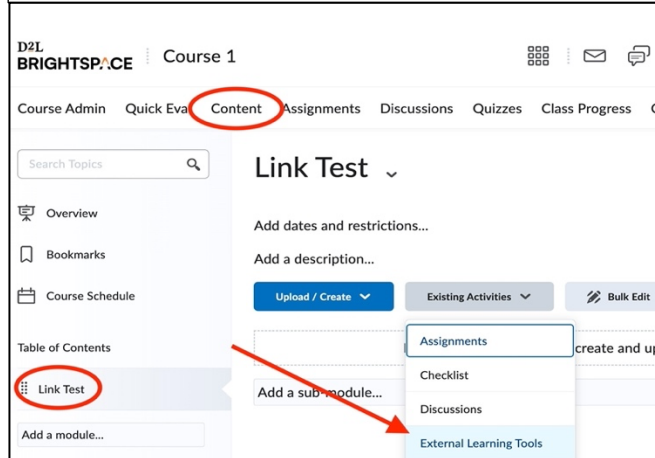
- 1) The *first time* D2L / Brightspace launches a course via the Townsend Press LTI link, that course is created in the Learning Center. *This new class will have no assignments.* Be sure to set up assignments in your Learning Center class. If you are unsure how to set up assignments in the Learning Center, email [support@townsendpress.com](mailto:support@townsendpress.com).
- 2) If **Assignments and Grade Services** are enabled, Learning Center grades will automatically post to your D2L course gradebook. Because of the large number of Learning Center assignments, your D2L gradebook may become cluttered. To avoid that outcome, we recommend that instructors use the Learning Center’s reporting tools instead of having all grades sent to D2L.
- 3) If you have **Names and Roles Provisioning Services** enabled, your Learning Center class roster will be kept in sync with your D2L course roster.

### **If You Need Help . . .**

- ❖ For questions about how to use the Townsend Press Learning Center, email [support@townsendpress.com](mailto:support@townsendpress.com)
- ❖ If you’re ready to set up an LTI Link in D2L / Brightspace at your school, send your Brightspace Registration Details to [LMS@townsendpress.com](mailto:LMS@townsendpress.com)
- ❖ If you have questions about D2L / Brightspace options and technical details at your college, contact your D2L / Brightspace administrator.

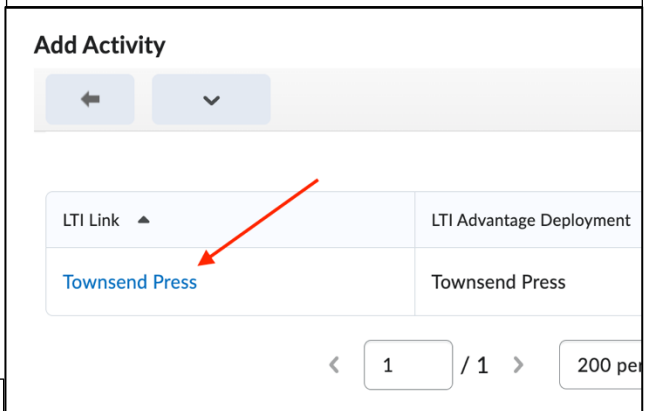
**Figure 13**

Open an existing course in Brightspace and select **Content**. Click **Existing Activities** tab and choose **External Learning Tools**.



**Figure 14**

Click **Townsend Press** from the list of links.



**Figure 15**

Click **Townsend Press** to launch the **Learning Center**.

