



LTI Tool Admin Guide – Moodle

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Getting Started - Requesting Credentials from Barnes & Noble College

The LMS Administrator will need to request a key and secret in order to successfully author links for courses in the LMS.

Following are instructions on how to access and request a consumer key and shared secret:

- Navigate to the following URL:
<https://blti.bncollege.com/registration/consumer>
- Complete the form, taking note of the required fields:

Field Name	Description
LMS Type	Please select the LMS used at your institution (e.g. Moodle). If your institution.
School	Enter your institution's name in this field. This is a free form text box with no character limits.
Email	Please enter your institutional email address. An auto-generated email will be sent to this address when the consumer key and shared secret are created.
First Name	Enter your first name in this field.
Last Name	Enter your last name in this field.
Phone	Enter your phone number in this field.
Job Title	We recommend that you also enter your job title. This will help Barnes & Noble College know this request is legitimate.
CAPTCHA	For security purposes. This step must be completed before the credential request can be submitted for processing.

If your institution employs multiple learning management systems, a separate key request will need to be submitted for each.

Once all the required fields including CAPTCHA are successfully filled, click the **Submit** button to submit the key and secret request.

After the credential request has been successfully submitted, the system will direct you to a success page. You will also receive a confirmation email from the Barnes & Noble College LTI support team with steps to [test the connectivity](#) (also seen in the next step) and further instructions to set up the LTI integration.



Your consumer key and shared secret will be generated and sent to your provided email address, after you have provided Barnes & Noble College with all of the information requested in the following step.

Testing Link Connectivity with Barnes & Noble College

By testing the link connectivity, you are providing Barnes & Noble College with the parameters used within your Moodle instance. Knowing the Course ID or Course Registration Number format used by your campus will help us devise an algorithm to link students to the correct course materials and instructors to their correct courses.

Following are the steps to test connectivity:

Steps
1. Log in to Moodle with your administrator username and password. Users will need to have LTI link authoring privileges.
2. Navigate to and select an available course. A course from your current term is preferable, as it will contain the most up-to-date parameters. If you test in staging, please use a course with a production name/course ID. Please note: a test conducted from a sandbox will not provide the necessary course information.
3. Click the Turn editing on button at the top right-hand corner of your course page.
4. In your General section, click + Add an activity or resource .
5. Your list of activities and resources will appear.
6. Select External tool from the Activities list, then click Add .
7. In the new page titled Adding a new External tool, click “Show more...” under the General section and enter the following in the fields: <ul style="list-style-type: none">• Activity name: BNC Connectivity Test• Display description on course page: <i>unchecked</i>• Display activity name when launched: <i>unchecked</i>• Display activity description when launched: <i>unchecked</i>• Preconfigured tool: Automatic, based on tool URL• Tool URL: https://blti.bncollege.com/lti/1.1/debug• Secure tool URL: https://blti.bncollege.com/lti/1.1/debug• Launch container: New window• Consumer key: Test• Shared secret: Test• Custom parameters: <i>none</i>• Icon URL: <i>none</i>• Secure icon URL: <i>none</i>
8. Once you’ve entered the information, expand the privacy section, and unselect “Accept grades from the tool.”
9. Leave the rest of the settings as-is, and click Save and display .
10. You will be taken to the LTI Parameters page in a new window. <ol style="list-style-type: none">a. If prompted, click Load BNC Connectivity Test to proceed.

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11. On this page, click **Send LTI Parameters to Barnes & Noble College**.

12. Fill in the required information, then click **Submit**.

a. A message will appear indicating the successful submission of your test.

13. Please repeat the test for courses of different formats, e.g. multi-section or cross-listed courses.

14. Once testing is complete, please email a listing of term codes for the academic year (e.g. **SP20 = Spring 2020, etc.**) to ltisupport@bncollege.com.

15. We recommend that you remove the BNC Connectivity Test external tool from your courses once you have submitted the results to Barnes & Noble College.

System-Level External Tool Setup

In this section, the Moodle administrator will create an external tool that will enable the following LTI link globally in Moodle, so that faculty can easily add them to their courses from their Activity/Resources menu.

- **Purchase Course Materials**

- This LTI link will direct students to their course materials on the official bookstore website.

These steps are to be executed after the connectivity test is complete and the consumer key and shared secret have been issued by Barnes & Noble College. **We suggest setting up these links in a staging environment for testing before implementing in your production environment.**



The steps below are for Moodle 3.1 and newer.

To set up an LTI tool in older versions of Moodle, navigate in your Administration block to **Site administration > Activity modules > LTI**. Then, click on **Add external tool configuration** and follow the steps below to complete this LTI configuration.

Setup for “Purchase Course Materials” Link

Steps
1. Log in to Moodle with your administrator username and password.
2. Navigate to the Administration block and click on Site administration .
3. Expand Plugins .
4. Expand Activity modules .
5. Expand External tool .
6. Select Manage tools .
7. On the Manage tools page, there is an Add tool menu. Click “configure a tool manually.”
8. Click the + App button to add Purchase Course Materials.

Steps

9. In the new page titled Adding a new External tool, click “Show more...” under the General section and enter the following in the fields:

- Tool name: **Purchase Course Materials**
- Tool URL: https://blti.bncollege.com/lti/1.1/launch/bn_wcs
- Tool description: *none*
- Consumer key: **Enter the consumer key provided to you via email.**
- Shared secret: **Enter the shared secret provided to you via email.**
- Custom parameters: *none required*
- Tool configuration usage: **Show as preconfigured tool when adding an external tool**
- Default launch container: **New window**
- Content-Item Message: unchecked
- Icon URL: <https://facultyenlight.com/sites/default/files/u53/purchasecoursematerials.png>
- Secure icon URL: <https://facultyenlight.com/sites/default/files/u53/purchasecoursematerials.png>

10. Once you’ve entered the information, expand the **Privacy** section just below. Select the following in each field:

- Share launcher’s name with tool: **Always**
- Share launcher’s email with tool: **Always**
- Accept grades from the tool: **Never**

11. Click **Save changes**.

12. The Purchase Course Materials external tool will now be available for administrators or faculty to add within courses.

- a. In a course, the tool will appear in the **+ Add an activity or resource** menu, under **Activities**. Editing must be turned on to add this activity.

Testing the Link

After placing the link, we recommend testing it before pushing it campus-wide.



When testing, be sure to use a course from a current or upcoming term. Using a course from a past term will not test successfully, as the term may no longer be available on the bookstore website.

Purchase Course Materials

Steps
1. Log into Moodle with student credentials.
2. Select a course that has the LTI link enabled from your My courses menu.
3. In the section where the link is placed, click Purchase Course Materials . a. You will be redirected to your campus bookstore website in a new tab or window. b. The pop-up may be blocked on the first attempt. Enable the pop-up from your browser.
4. On the first cross-over, you will be prompted to log into your campus bookstore website. a. Please click Create Account , fill out the required information, and click Create Account .
5. You will be signed in, and your Moodle account will be paired with the bookstore website. a. You will not have to log in again when using the Purchase Course Materials link in the future, whether from the same course or a different one.
6. On the bookstore website, you are provided with the course materials for the course you selected in Moodle. Text materials will appear in all of the available formats (new, used, rental, and/or digital). a. Once you reach this point, the test is successful.
7. To further verify the account pairing: a. Hover over “Hello, [Your Name]” at the top of the page. b. Click My Account . c. Scroll down to “LMS Account.” If you are linked, you will have the option to unlink your account.

Course-Level External Tool Configuration

Once you have completed the System-Level External Setup, the links must be enabled at the course level in Moodle for each course.

We encourage this to be completed by the Moodle Administrator; however, we can provide instructions to be shared with faculty on how they can add these tools to their courses.



The below steps are for Moodle 3.1 and newer.

To add the link in Moodle 3.0 and older, click **+ Add an activity or resource**, select **External tool**, and click **Add**. Then, enter the information as provided in the above *System-Level External Tool Setup* steps in the previous section.

Steps
1. Log in to Moodle with your administrator or teacher credentials.
2. Navigate to and select your desired course.
3. Click the Turn editing on button at the top right-hand corner of your course page.
4. In the section where you wish to place the link, click + Add an activity or resource .
5. Select Purchase Course Materials from the list of activities and resources, then click Add .
6. On the Adding a new External tool page, enter the following: <ul style="list-style-type: none">• Activity name: Purchase Course Materials
7. Click Save and return to course .

Going Live

When you have completed the setup of the Barnes & Noble College LTI links in your production environment, please let us know by reaching out to ltisupport@bncollege.com. This way, we will know to follow up with the bookstore manager in order to help him or her inform faculty of the presence of these links in Moodle.

Upon going live, we provide the store manager with an email template that may be used to communicate the availability of the bookstore links in Moodle. We can also provide how-to documentation for the faculty and student links to you and the store manager.

Important Notes and Troubleshooting

Link Doesn't Launch



The LTI link may fail to launch from your Moodle LMS. Most often, the web browser is preventing the new window or tab from launching. If this occurs, please allow pop-ups to open from your Moodle site, and then attempt the link again.

An Error Has Occurred

If you see the message, “AN UNEXPECTED ERROR HAS OCCURRED. PLEASE CONTACT YOUR CAMPUS BOOKSTORE,” please enable cookies in your browser. This message may also appear if you are attempting to access the link from within a private window.

Additional Error Messages

An error message may appear when the tool link is accessed. The most common errors include:

400 Bad Request

404 Page Not Found

500 Internal Server Error

403 Forbidden

406 Cookie Error

The message that appears will provide more detail as to the nature of the error, and actions to take to resolve it.

Contact Us

For help with concerns relating to the LMS integration in Moodle, please contact us by email:

Email Address
ltisupport@bncollege.com