



Print Reading Game

INTEGRATION WITH DESIRE2LEARN

Developed by the Johnson Center for Simulation (JCS)

Integration with Desire2Learn

Only a few steps are involved to get started:

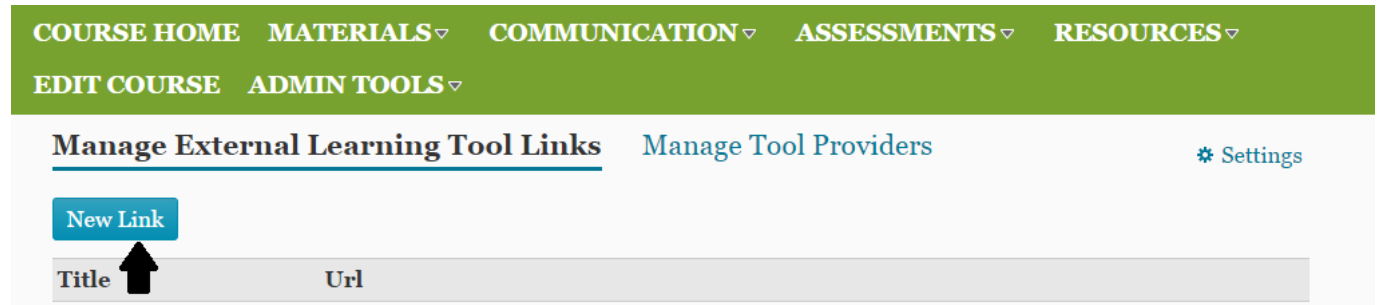
- Creating LTI Links in the course.
- Setting Configuration Settings in each LTI Link.
- Adding each LTI Link as an External Resource to the course.
- Receiving feedback from the user.



Creating the LTI Links

Navigate to the External Learning Tools page by clicking on **Edit Course** -> **External Learning Tools**.

To create the first link, click on the button that says **New Link**.



The screenshot shows a navigation menu at the top with the following items: COURSE HOME, MATERIALS (with a dropdown arrow), COMMUNICATION (with a dropdown arrow), ASSESSMENTS (with a dropdown arrow), RESOURCES (with a dropdown arrow), EDIT COURSE, and ADMIN TOOLS (with a dropdown arrow). Below the menu, there are three main sections: **Manage External Learning Tool Links** (underlined), [Manage Tool Providers](#), and [Settings](#) (with a gear icon). A blue button labeled **New Link** is positioned above a table header. The table header has two columns: **Title** and **Url**. A black arrow points upwards from the **Title** column towards the **New Link** button.

Here is what you need:

Title: Print Reading Game – Match Part

URL: <http://www.johnsonsimcenter.com/manufacturing/PrintReading/index.php?path=matchpart>

Title: Print Reading Game – Bad Lines

URL: <http://www.johnsonsimcenter.com/manufacturing/PrintReading/index.php?path=badlines>

Creating the LTI Links

Each LTI link requires some settings and properties to be set. Each one required is defined below:

Title – The title of the game.

URL – The web address.

DESCRIPTION – (optional) Description of the game.

VISIBILITY – Checked. Allows users to view the link in D2L.

[COURSE HOME](#) [MATERIALS](#) ▾ [COMMUNICATION](#) ▾
[EDIT COURSE](#) [ADMIN TOOLS](#) ▾

New Link

Properties


Title *


Print Reading Game - Match Part

URL *

<http://www.johnsonsimcenter.com/manufacturing/PrintReading/index.php?path=matchpart>

Description

 Match Part simulation for the Print Reading game.



Visibility

Allow users to view this link

Key and Secret

Key: JCSPrintReading

Secret: JCSPR2014#

Creating the LTI Links

KEY/SECRET SIGNATURE – Set to **Sign messages with key/secret with** and **Link key/secret**.

SECURITY SETTINGS – The following should be checked.

- Send tool consumer information to tool provider.
- Send context information to tool provider.
- Send user ID to tool provider.
- Send user name to tool provider.
- Send system role to tool provider
- Send link title to tool provider.

MAKE LINK AVAILABLE TO – Make sure this is set for your organization and checked.

Key/Secret

Signature

- Sign messages with key/secret with
- Tool consumer key/secret
- Link key/secret

Key

Secret

- Reset secret

Custom Parameters

No items found.

+ Add custom parameters

Security Settings

- Send tool consumer information to tool provider
- Send context information to tool provider
- Send user ID to tool provider
- Send user name to tool provider
- Send user email to tool provider
- Send system username to tool provider
- Send system Org Defined ID to tool provider
- Send system role to tool provider
- Send link title to tool provider
- Send link description to tool provider

Make link available to:

- Current Org Unit: **LTI Test 2014**

Add Org Units

Save

Cancel

Creating the LTI Links

After you click **Save**, you should see the link that you just created on the **Manage Links** page.

Follow the same steps in the previous two slides to create the link for the **Print Reading - Bad Lines** simulation.

COURSE HOME **MATERIALS** ▾ **COMMUNICATION** ▾ **ASSESSMENTS** ▾ **RESOURCES** ▾
EDIT COURSE **ADMIN TOOLS** ▾

Manage External Learning Tool Links [Manage Tool Providers](#) [* Settings](#)

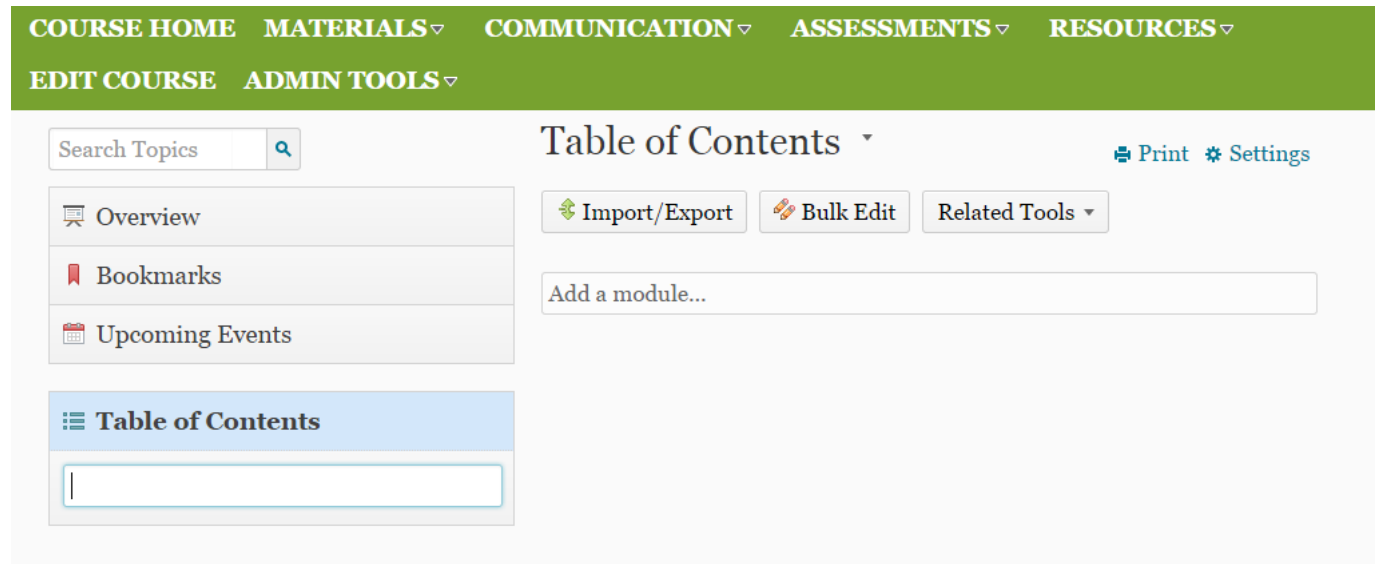
[New Link](#)

Title	Url
Print Reading Game - Bad Lines ▾	http://www.johnsonsimcenter.com/manufacturing/PrintReading/index.php?path=badlines
Print Reading Game - Match Part ▾	http://www.johnsonsimcenter.com/manufacturing/PrintReading/index.php?path=matchpart

Adding the links to your course.

The next step is to add the LTI links to your course. To do this, navigate to **Materials -> Content**. You will see the contents of your course here.

Create a new course module by typing a name where it says **Add a module...** and click outside of the text entry box to create the module.



The screenshot displays a course management interface with a green navigation bar at the top containing the following links: COURSE HOME, MATERIALS ▾, COMMUNICATION ▾, ASSESSMENTS ▾, RESOURCES ▾, EDIT COURSE, and ADMIN TOOLS ▾. Below the navigation bar is a search box labeled 'Search Topics' with a magnifying glass icon. The main content area is titled 'Table of Contents ▾' and includes 'Print' and 'Settings' icons. On the left side, there is a sidebar menu with the following items: Overview, Bookmarks, Upcoming Events, and Table of Contents (which is highlighted in blue). Below the 'Table of Contents' item is a text entry box. On the right side of the main content area, there are three buttons: 'Import/Export', 'Bulk Edit', and 'Related Tools ▾'. Below these buttons is a large text entry box labeled 'Add a module...'.

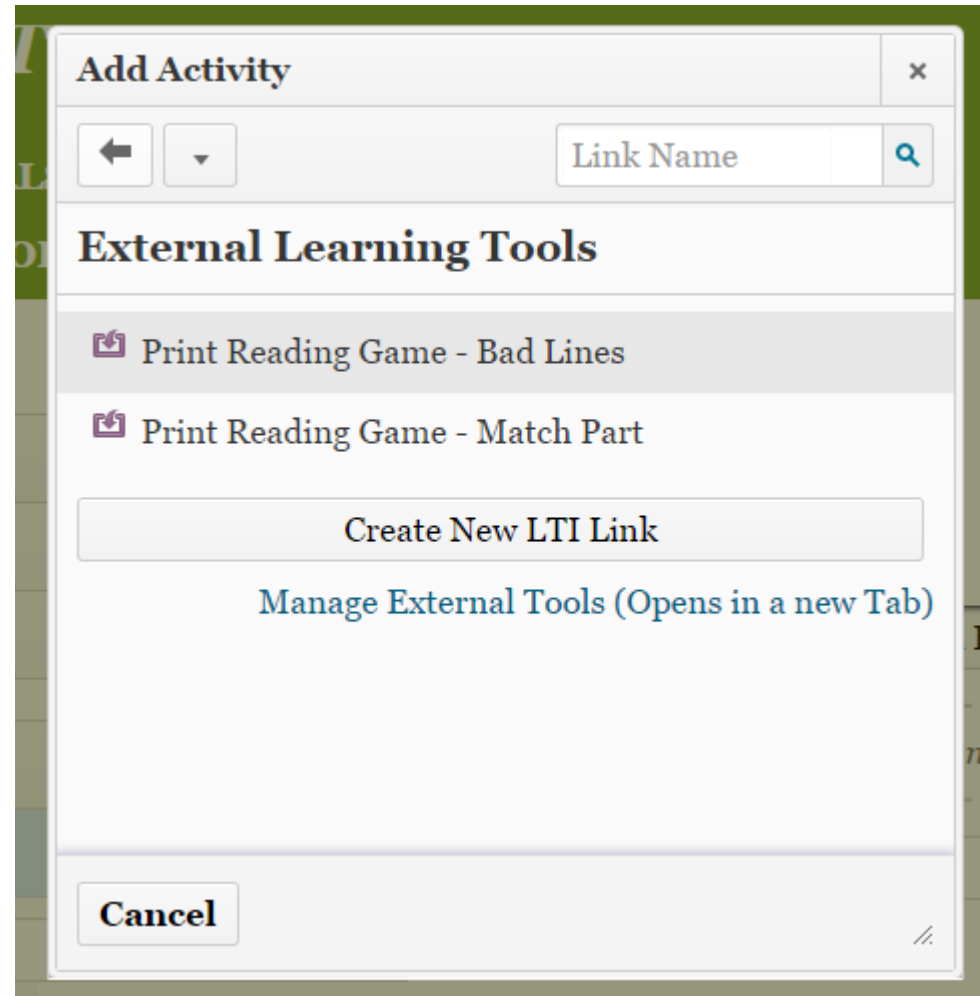
Adding the links to your course.

Add the links to the module by clicking on the **Add Existing Activities** button, and then go to **External Learning Tools** in the dropdown menu that shows up.

The screenshot shows a course management interface with a green navigation bar at the top containing the following links: COURSE HOME, MATERIALS, COMMUNICATION, ASSESSMENTS, RESOURCES, EDIT COURSE, and ADMIN TOOLS. Below the navigation bar is a search box labeled 'Search Topics' and a 'Print Reading Game' module header with 'Print' and 'Settings' icons. The module is currently in 'Published' status. On the left side, there is a sidebar with navigation options: Overview, Bookmarks, Upcoming Events, Table of Contents, and Print Reading Game (which is selected). Below the sidebar is an 'Add a module...' input field. The main content area for the 'Print Reading Game' module includes fields for 'Add dates and restrictions...' and 'Add a description...'. A 'New' button is visible, and the 'Add Existing Activities' dropdown menu is open, showing options: Chat, Checklist, Discussions, Dropbox, External Learning Tools (highlighted), Quizzes, and Surveys. A 'Bulk Edit' button is also present. A dashed box labeled 'Add a sub' is visible, and a 'd update topics' link is partially visible on the right.

Adding the links to your course.

After that, you should be shown a window that looks like this. All you need to do now is to click on the LTI links you just created to add them to your course module, and each one will be shown in your course content. Before you get started, however, there is just one last step you have to take.



Adding the links to your course.

For both of the links, click on the dropdown arrow next to the name of each one and make sure that the checkbox that says **Open as External Resource** is checked.

Checking this will ensure that when a user clicks on the link in the course, that the content will be opened as an external resource in a new tab on their web browser.

The screenshot shows a course management interface with a green navigation bar at the top containing links: COURSE HOME, MATERIALS, COMMUNICATION, ASSESSMENTS, RESOURCES, EDIT COURSE, and ADMIN TOOLS. Below the navigation bar is a search box labeled 'Search Topics' and a sidebar menu with options: Overview, Bookmarks, Upcoming Events, Table of Contents (with a '2' in a circle), Print Reading Game (with a '2' in a circle), and Add a module... The main content area is titled 'Print Reading Game' and includes options for 'Print' and 'Settings'. It shows a list of activities with the following details:

- Activity: Print Reading Game - Match Part (Status: Published)
- Option: Add dates and restrictions...
- Option: Add a description...
- Buttons: New, Add Existing Activities, Bulk Edit
- Activity: Print Reading Game - Match Part (Status: Published)
- Option: Add dates and restrictions...
- Activity: Match Part simulation for the Print Reading Game
- Option: Required: Automatic
- Option: Open as External Resource (with a note: User progress is not tracked for external resources)
- Activity: Print Reading Game - Bad Lines (Status: Published)
- Activity: Bad Lines simulation for the Print Reading game.
- Option: Add a sub-module...

A notification box at the bottom of the interface reads: 'View Settings Saved Successfully'.

Receiving Feedback

If everything was set up correctly the links will now be visible to each student when they log in to D2L and view the course content.

Each link will open in a new tab on their browser as an external resource. This will allow each student to get a full screen experience each time that they run the simulation.

COURSE HOME MATERIALS ▾ COMMUNICATION ▾ ASSES

News ▾

There is no news to display.

Content Browser ▾

[Home](#)

Print Reading Game

[Print Reading Game - Match Part](#)

[Print Reading Game - Bad Lines](#) [Print Reading Game - Match Part](#)

Bookmarks

My Bookmarks

No bookmarks have been added.

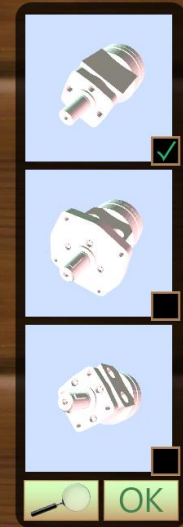
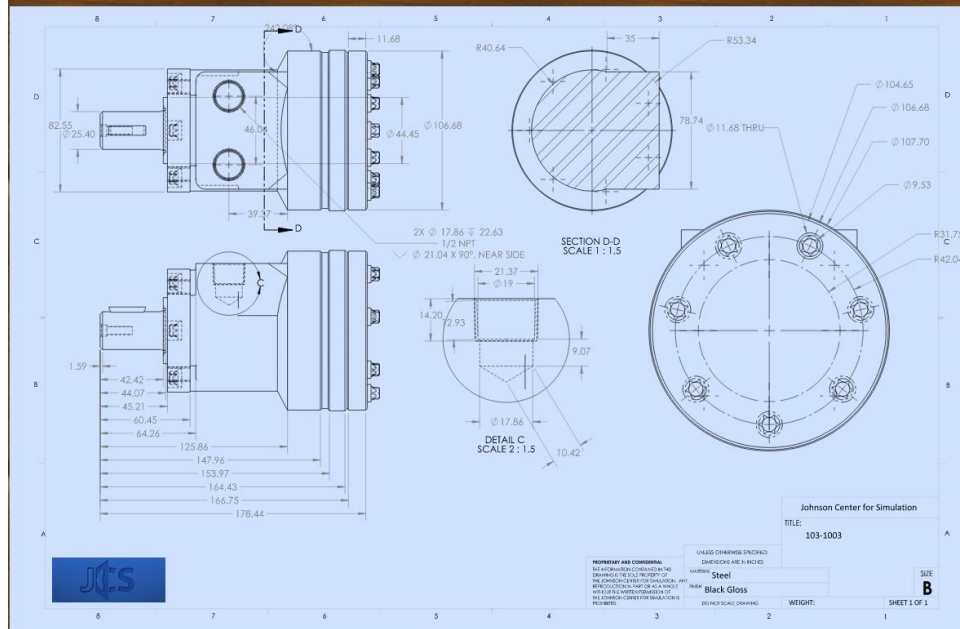
Receiving Feedback

When the student starts the simulation, he/she is authenticated with the system first before it starts. This happens quickly in the background so the student doesn't see it happen.

If it fails, the student will see the message above and will not be able to continue at this point. If this happens, check the application key/secret in the external resource link settings that you filled out earlier to make sure they are correct.

User not authenticated! Please talk to your instructor for assistance.

Select the 3D part that matches the part shown in the print. You can drag over the 3D parts to view them from different angles. Click the magnifying glass to get a closer view of the print. When you are sure of your selection, click the OK button.

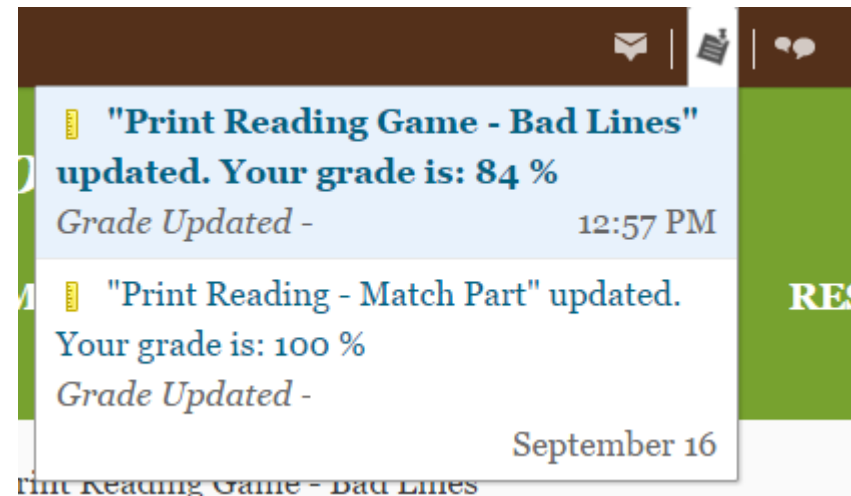


Receiving Feedback

When the student is finished with the simulation, their progress data is reported back to D2L as a grade item.

This will depend on which game module they chose. If it's the matching parts module, it will go by how many wrong guesses they made. If they chose the bad lines module, it will go by how many incorrect attempts were made.

The student will see a grade notification after they've completed the simulation.



Receiving Feedback

It is to note that the grade item is displayed as a number percentage from 0 to 100. When the simulation ends, a value representing correct and incorrect attempts made during the game is sent to D2L. The grade itself is calculated by the number of correct attempts divided by the number of correct attempts plus incorrect attempts, or $C / (C + I)$. It is the result of this that is sent back as a grade to D2L.

It is also important to know that this grade item only exists to indicate that the user has completed the simulation. It is entirely up to you as the instructor if you want to assign points in the gradebook to it or not.

[COURSE HOME](#) [MATERIALS ▾](#) [COMMUNICATION ▾](#) [ASSESSMENTS ▾](#) [RESOURCES ▾](#)

Grades

[Print](#)

Grade Items

Grade Item	Points	Grade
Print Reading - Bad Lines	58 / 100	
Print Reading - Match Part	100 / 100	

That's it!!!

That's all there is to it. If you, or a student would like to access any of the simulations directly without having to login to D2L you can visit any of the following links:

<http://www.johnsonsimcenter.com/manufacturing/PrintReading/matchpart.html>

<http://www.johnsonsimcenter.com/manufacturing/PrintReading/badlines.html>

Note, that by visiting the links above directly in your web browser, your progress will not be tracked throughout the duration of the simulation. If you do this, you will be playing outside of your course in D2L.

If you would like any further help or assistance, or wish to provide any feedback, please send an E-mail to JCSPrintReading@pine.edu.



Advanced Manufacturing Education Alliance

This document is available in alternative formats to individuals with disabilities by calling 800-521-7463 or (TTY) 320-629-1030. Pine Technical & Community College is an affirmative action, equal opportunity employer and educator.

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<http://www.johnsonsimcenter.com>

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