

CodeLab in Sakai

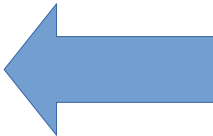
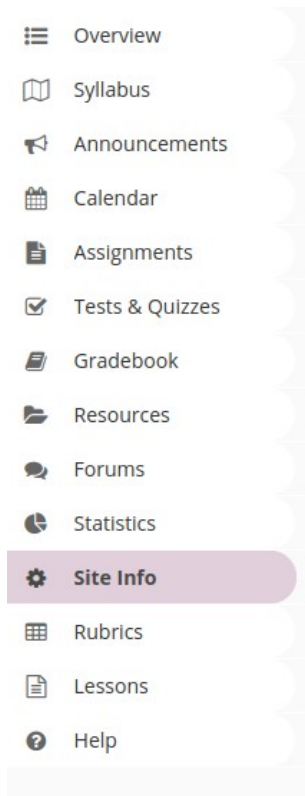
CodeLab integrates with Sakai.

For students, Codelab exercises appear as a tool in your Sakai course (students are not taken to another website). Within the Sakai, students have access to CodeLab's navigation tools, exercises, feedback, and status information:

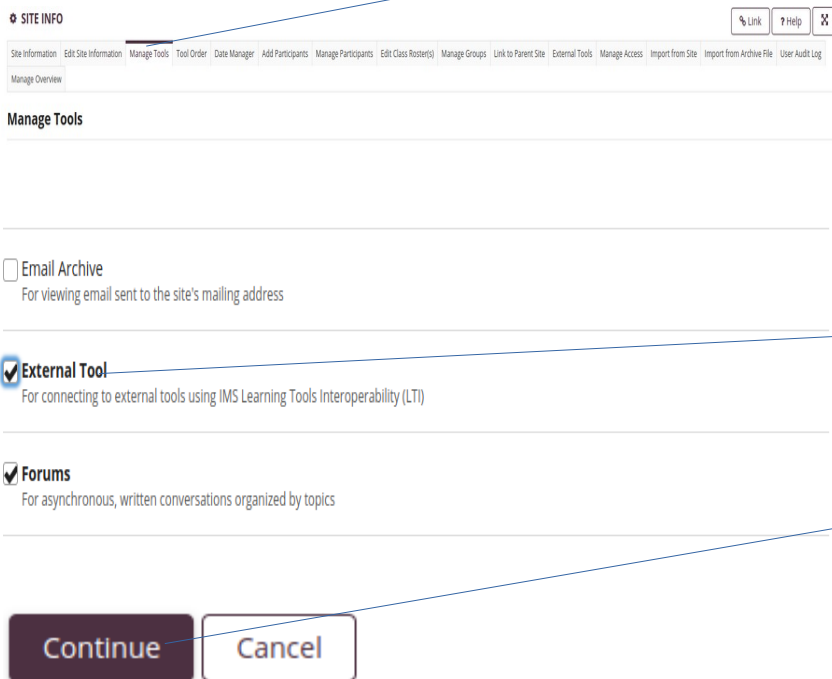
For instructors, CodeLab results appear automatically in the Sakai gradebook and instructors use LMS tools to assign work.

Please contact us at info@turingscraft.com for questions or to request CodeLab for Sakai.

For each Codelab assignment you want to create, you will need to add Codelab as an external tool. The following steps will tell you how to add a CodeLab assignment to your course.



Click on "Site Info"



Click "Manage Tools"

Click "External Tool"
Then click "Continue"

Customize tool instances

You can make configuration adjustments later using the configuration capabilities for each tool.

External Tool

Title (Maximum length 20 char.)

More External Tool Tools? ▼

Continue

Back

Cancel

Enter the name of the Assignment

Click continue

Confirming site tools edits for **CodeLab LTI Testing**

You have selected the following for your site (added tools highlighted):

- Overview
- Syllabus
- Lessons
- Calendar
- Announcements
- Resources
- Forums
- Assignments
- Tests & Quizzes
- Gradebook
- Site Info
- External Tool (CL Assignment 1)**
- Rubrics
- Statistics

Finish

Back

Cancel

Click "Finish"

- Overview
- Syllabus
- Announcements
- Calendar
- Assignments
- Tests & Quizzes
- Gradebook
- Resources
- Forums
- Statistics
- Site Info**
- Rubrics
- Lessons
- CL Assignment 1
- Help

The assignment will now appear in your menu. Click it.

CL ASSIGNMENT 1
This tool has not yet been configured.

Edit Link Help

Then click "Edit"

CL ASSIGNMENT 1

Cancel Clear Stored Preferences

Required Information

*Remote Tool Url:

*Remote Tool Key:

*Remote Tool Secret:

Display Information

Set Button Text: (Text in tool menu)

Set Tool Title: (Above the tool)

Choose an icon for this tool:

Routing Grades to the Gradebook

Create Gradebook Item

This creates a new Gradebook Item and routes grades to this new Item. You only need to create the Item once.

Optional Launch Information

Open in a New Window:

iFrame Height:

Enable SHA-256 Signatures

The original LTI Launches used SHA-1 signatures, newer tools may require SHA-256 signatures.

Debug Launch:

When Debug Launch is selected, the tool pauses before launching and displays launch data.

Releasing Roster Information

Send Names to the External Tool

Send Email Addresses to the External Tool

These options allow you to control which information is released to the external tool. Some tools may require roster information to function.

Allow the External Tool to retrieve the course roster

Enter the following URL:
<https://codelab.turingscraft.com/codelab/lti/launch>

Enter the CodeLab provide key and secret.
If you do not have them, please contact:
info@turingscraft.com

Enter the name of the
Assignment as you would
Like it to appear in your
Gradebook. You must fill
This in if you want your
Gradebook to automatically
Be updated by CodeLab.

These MUST be checked!

Click Update Options

Update Options

Cancel

When you first enter the assignment, you will have to authenticate yourself!

This login-authentication only happens the first time you ever access CodeLab via your LMS account.

CL: Displaying Messages



We've noticed this your first time using CodeLab with this LMS. Please login below to verify your account. If you do not have an account you will need to register before proceeding. You will need to reload the assignment after verifying your account.

CodeLab Sign In

Email

Password

 Login

Email

Password

 Login

Then you need to choose the CodeLab section you wish to associate with this LMS course.

This will only have to be done once, the first time you are in this course trying to set up an assignment.

Subsequent assignment setups won't have this step.



Please select a CodeLab section to associate with your LMS course

> Summer 2020

> Spring 2019

Once you've done all that "first time stuff," you are in the Assignment Creator – and that is where you'll go in the future when you click on a CodeLab-associated LMS assignment.



Assignment Editor

Save ?

Due Date

Solution View Date

Exercises

- Python3 Topics
 - Arithmetic, Variables, Assignment
 - Strings (I)
 - Conditions and Branches
 - I/O
 - Loops
 - Functions
 - Strings (II)
 - Lists
 - Dictionaries
 - Sets
 - Tuples
 - Combos
 - Recursion
 - Classes
 - Files
 - Formatted Output
 - Exceptions

Here you can click on individual exercises and entire topics for inclusion in the Assignment exercise sequence. When you click on the entire topic, all the exercise "leaves" are added in left to right order into the selected exercise sequence.