



Configuring LTI Assignments in CompuScholar Courses

Please carefully review this document when importing a CompuScholar course into a 3rd party LMS. You may need to take post-import configuration steps to ensure your assignments are correctly configured!

All CompuScholar courses contain many hands-on activities that students will submit for a grade. There are three basic kinds of assignments.

Quizzes and Tests (Exams)

All quiz and test questions are multiple-choice and fully embedded in the course cartridge. After import, they are native assessments in your LMS and not connected to CompuScholar's system in any way. Teachers will assign the quizzes to students naturally through the LMS and the resulting grade automatically appears in your gradebook.

Please ensure your LMS will **randomize the A/B/C/D order of answers** for each quiz or test. Some LMS systems (e.g. Canvas) may not enable randomization by default.

External Work

In external assignments, the course material contains activity instructions that ask the students to **perform work outside of the CompuScholar system**. This work may include tasks like creating coded projects in locally installed IDEs or creating documents or similar digital artifacts. **The result of this external work is one or more files that should be submitted to the teacher for grading.**

In a course cartridge, these external work tasks are marked as “**assignments**”. Each type of LMS (Canvas, Schoology, etc.) may treat these resources differently. Some will automatically **add the assignments to the gradebook** and provide a **file upload capability** for the students. Others may ignore the assignments altogether or import the resource as a simple link to a static web page.



After import, **please verify** that each **external assignment is represented as a graded assignment in your gradebook**, with a way for students to upload file submissions. You may need to delete the default assignment links to static web pages and add native LMS assignments to your gradebook with file upload capability. Please contact us with questions about your LMS.

Online Work

In online assignments, students click on an **LTI link** to reach an **online working area** supported by the CompuScholar system. Students will complete each assignment and submit work online through this system – there are **no local files** to manage. The submitted work will be graded by a teacher or auto-graded by our system (depending on the course).

In a course cartridge, these online assignments are marked as **LTI resources**. The **Canvas** LMS will recognize them as assignments in the gradebook, so no additional configuration steps are needed in Canvas. However, **other systems will likely need online assignments to be configured for grading after the import**.

Please verify that each of the online assignments is represented as a graded assignment in your gradebook after import. You may need to configure each LTI assignment link to accept graded results from our system. Please contact us with questions about your LMS.

When the student or teacher clicks on an LTI link to access publisher content, the LMS may choose to open that content **in a frame** within the current browser tab or **launch a new tab**. This decision and the default behavior rests entirely within the LMS, and any desired changes to the default LMS behavior must be configured within the LMS.

We recommend that all “Online Work” assignment links be configured to **launch content in a new tab** to give the student maximum screen space to complete the work. Other types of content (e.g. Lesson Text or Video) are less space-sensitive and can be configured at your discretion. Please contact us with questions about your LMS.



Types of Assignments, Per Course

This section describes the assignments that are either “**external**” or “**online**”, per course. Some courses contain only one kind of assignment, while some contain a mixture of types.

Visit the Pages Below for Details on Each Course

| | |
|------------------------------------|----|
| Computer Science Foundations | 4 |
| C# Programming | 5 |
| Digital Savvy | 6 |
| Java Programming..... | 8 |
| Python Programming | 9 |
| Tech Essentials | 10 |
| Unity Game Programming..... | 11 |
| Web Design | 12 |



Computer Science Foundations

The following assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|---------|----------------------------------|
| 14 | Requirements and Design Activity |
| 14 | Project Testing Activity |
| 23 | Beginning Web Page Activity |
| 24 | Formatted Web Page Activity |
| 25 | Final Website Activity |
| 29 | Exploring Careers Activity |

The following assignments are “**online**” and should be configured as such:

| Chapter | Resource Title |
|-----------------|---------------------------------------|
| (top of course) | Custom Activities |
| 1 | Using Peripherals Activity |
| 2 | Network Analysis Activity |
| 3 | Class Schedule Activity |
| 4 | Cash Register Activity |
| 5 | Character Art Activity |
| 6 | Blue Moon Activity |
| 7 | Chat-Bot Activity |
| 8 | Vowel Eraser Activity |
| 9 | Burger Castle Activity |
| 10 | Math Contest Activity |
| 11 | Pig Latin Translator Activity |
| 12 | Verification Function Activity |
| 13 | GOPS Part 1 Activity |
| 13 | GOPS Part 2 Activity |
| 13 | GOPS Part 3 Activity |
| 14 | Project Implementation Activity |
| 15 | Cat and Mouse Activity |
| 16 | Knapsack Problem Activity |
| 17 | Census Analysis Activity |
| 18 | Impact Study Activity |
| 19 | Ethics Illustration Activity |
| 22 | Performance Task Development Activity |



| | |
|----|------------------------|
| 26 | OS Report Activity |
| 27 | Mystery Files Activity |
| 28 | Search Report Activity |

C# Programming

The following assignments are **“external”** and should be configured as such:

| Chapter | Resource Title |
|--------------------|--|
| 24 | Project Requirements and Design Activity |
| 24 | Project Testing Activity |
| 26 | Tall Tales Activity |
| Supplemental Ch. 1 | Secret Message Activity |
| Supplemental Ch. 1 | UML Design Activity |
| Supplemental Ch. 2 | Your SDLC Docs Activity |
| Supplemental Ch. 2 | Career Exploration Activity |
| Supplemental Ch. 2 | CTSO Exploration Activity |
| Supplemental Ch. 2 | Technical Writing Activity |
| Supplemental Ch. 3 | Privacy Check-up Activity |
| Supplemental Ch. 3 | Impact Analysis Activity |
| Supplemental Ch. 3 | Self-Driving Cars Activity |
| Supplemental Ch. 3 | Productivity Report Activity |
| Supplemental Ch. 4 | Animal Palace |

The following assignments are **“online”** and should be configured as such:

| Chapter | Resource Title |
|-----------------|---------------------------|
| (top of course) | Custom Activities |
| 2 | School Supplies Activity |
| 3 | Pizza Bot Activity |
| 4 | Math Professor Activity |
| 5 | Language Jumbler Activity |
| 6 | Math Machine Activity |
| 7 | Coffee Shop Activity |
| 8 | Dog Trainer Activity |
| 9 | String Slicer Activity |
| 10 | Menu Madness Activity |



| | |
|--------------------|---------------------------------|
| 11 | Population Growth Activity |
| 12 | Delivery Driver Activity |
| 13 | Duck Trainer Activity |
| 14 | Video Player Activity |
| 15 | Gas Station Activity |
| 16 | Guess Number Game Activity |
| 16 | Word Challenge Game Activity |
| 16 | Game Machine Activity |
| 17 | 1D Bingo Activity |
| 18 | Card Dealer Activity |
| 19 | Weird Echo |
| 20 | Super Tic-Tac-Toe |
| 21 | Modern Art |
| 22 | Chess Challenge |
| 23 | Fibonacci Numbers |
| 24 | Project Implementation Activity |
| Supplemental Ch. 1 | Song Database Activity |
| Supplemental Ch. 1 | Stock Market Activity |
| Supplemental Ch. 1 | Candy Factory Activity |

Digital Savvy

The following assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|---------|--|
| 9 | Professional Letter Activity |
| 9 | Formatting a Research Paper Activity |
| 10 | Checkbook Formatting Activity |
| 10 | Checkbook Calculations Activity |
| 10 | Checkbook Charts Activity |
| 11 | Starting Your Presentation Activity |
| 11 | Finishing Your Presentation Activity |
| 12 | Music Database Activity |
| 12 | Music Reports Activity |
| 13 | Project Planning Activity |
| 14 | Mid-Term Project Planning Activity |
| 14 | Mid-Term Project Implementation Activity |
| 14 | Mid-Term Project Delivery Activity |



| | |
|--------------------|---------------------------------------|
| 15 | Image Editing Activity |
| 16 | Sending Messages Activity |
| 17 | Social Media Posts Activity |
| 18 | Create a Blog Activity |
| 19 | Beginning Web Page Activity |
| 20 | Formatted Web Page Activity |
| 21 | Final Website Activity |
| 24 | Exploring Computing Careers Activity |
| 25 | Final Project Planning Activity |
| 25 | Final Project Implementation Activity |
| 25 | Final Project Delivery Activity |
| Supplemental Ch. 1 | Evaluating Digital Artifacts Activity |
| Supplemental Ch. 1 | Highlighting Tools Activity |
| Supplemental Ch. 1 | Debating AI Activity |
| Supplemental Ch. 1 | Exploring Net Neutrality Activity |
| Supplemental Ch. 2 | Street Smarts Activity |
| Supplemental Ch. 2 | Secret Message Activity |
| Supplemental Ch. 2 | Physics Lab Activity |
| Supplemental Ch. 3 | Typing Whiz Activity |
| Supplemental Ch. 3 | CTSO Exploration Activity |
| Supplemental Ch. 3 | Map My Area Activity |
| Supplemental Ch. 3 | Daily Schedule Activity |

The following assignments are “**online**” and should be configured as such:

| Chapter | Resource Title |
|---------|--------------------------------|
| 1 | Using Peripherals Activity |
| 2 | Application Inventory Activity |
| 3 | OS Report Activity |
| 4 | Mystery Files Activity |
| 5 | Problem Solver Activity |
| 6 | Domain Name Research Activity |
| 7 | Search Report Activity |
| 8 | Security Sweep Activity |
| 22 | Blockly Initials Activity |
| 23 | Two-Tone Spiral Activity |



Java Programming

The following assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|--------------------|------------------------------------|
| 26 | Designing Composite Class Activity |
| 27 | Requirements and Design Activity |
| 27 | Project Testing Activity |
| 30 | Phone Dialer Activity |
| 31 | Pizza Place Activity |
| 32 | Sky Art Activity |
| Supplemental Ch. 1 | Secret Message Activity |
| Supplemental Ch. 1 | Creating JavaDoc HTML Activity |
| Supplemental Ch. 1 | UML Design Activity |
| Supplemental Ch. 2 | Your SDLC Docs Activity |
| Supplemental Ch. 2 | Career Exploration Activity |
| Supplemental Ch. 2 | CTSO Exploration Activity |
| Supplemental Ch. 2 | Technical Writing Activity |
| Supplemental Ch. 3 | Privacy Check-up Activity |
| Supplemental Ch. 3 | Impact Analysis Activity |
| Supplemental Ch. 3 | Self-Driving Cars Activity |
| Supplemental Ch. 3 | Productivity Report Activity |
| Supplemental Ch. 4 | Animal Palace Activity |

The following assignments are “**online**” and should be configured as such:

| Chapter | Resource Title |
|-----------------|-----------------------------|
| (top of course) | Custom Activities |
| 2 | Shopping List Activity |
| 3 | Treasure Map Activity |
| 4 | Magic Math Activity |
| 5 | Sketch Robot Activity |
| 6 | String Theory Activity |
| 7 | Math Factory Activity |
| 8 | Banking System Activity |
| 9 | Wild Card Activity |
| 10 | Calculator Madness Activity |
| 11 | Bug Hunt Activity |



| | |
|--------------------|---|
| 12 | Fun Factorials |
| 13 | Meal Time |
| 14 | Dog House |
| 15 | Let's Go Racing |
| 16 | Art School |
| 17 | Creating the Schedule |
| 17 | Building a Television |
| 17 | Defining the Remote |
| 18 | Whack-A-Mole Activity |
| 19 | Train Yard Jumble Activity |
| 20 | Ducks in a Row Activity |
| 21 | Gold Rush Activity |
| 22 | Lab Rats Activity |
| 23 | Social Ladder Activity |
| 24 | File Explorer Activity |
| 25 | Address CSV Activity |
| 27 | Project Implementation Activity |
| 33 | Comparison of Sorting Algorithms Activity |
| Supplemental Ch. 1 | Stock Market Activity |
| Supplemental Ch. 1 | Candy Factory Activity |

In addition, all **"Chapter Homework"** assignments are **"online"** and should be configured as such.

Python Programming

The following assignments are **"external"** and should be configured as such:

| Chapter | Resource Title |
|---------|-------------------------------|
| 13 | Creative Project Requirements |
| 13 | Creative Project Design |
| 13 | Creative Project Testing |



The following assignments are “**online**” and should be configured as such:

| Chapter | Resource Title |
|-----------------|-------------------------|
| (top of course) | Custom Activities |
| 1 | Class Schedule Activity |
| 2 | Cash Register Activity |
| 3 | Character Art |
| 4 | Blue Moon |
| 5 | Chat-Bot |
| 6 | Burger Castle |
| 7 | Vacation Planner |
| 8 | Pig Latin Translator |
| 9 | Verification Function |
| 10 | ATM |
| 11 | Mars Rover |
| 12 | Food and Defense Items |
| 12 | The Chef Class |
| 12 | Main Game Code |
| 13 | Creative Project Coding |

Tech Essentials

The following assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|---------|---|
| 2 | Expense Analysis Activity – Optional File Submission |
| 3 | Bamboo Report Activity |
| 4 | Game Concept Activity |
| 6 | Food Import Presentation Activity |
| 7 | Planning and Research Activity – Optional File Submission |
| 7 | Creation Activity – Optional File Submission |
| 7 | Revision and Publication Activity – Optional File Submission |
| 11 | Planning and Requirements Activity – Optional File Submission |
| 11 | Design Activity – Optional File Submission |
| 11 | Testing Activity – Optional File Submission |
| 13 | Cybersecurity Poster Activity – Optional File Submission |



The following assignments are “**online**” and should be configured as such:

| Chapter | Resource Title |
|---------|------------------------------------|
| 1 | File Management Activity |
| 2 | Expense Analysis Activity |
| 5 | Search and Evaluation Activity |
| 7 | Planning and Research Activity |
| 7 | Creation Activity |
| 7 | Revision and Publication Activity |
| 8 | Tic-Tac-Toe Board Activity |
| 8 | Rectangles Activity |
| 9 | Artsy Square Activity |
| 9 | String Processor Activity |
| 10 | Flower Power Activity |
| 10 | Rock-Paper-Scissors Activity |
| 11 | Planning and Requirements Activity |
| 11 | Design Activity |
| 11 | Implementation Activity |
| 11 | Testing Activity |
| 12 | Citizenship Challenges Activity |

Unity Game Programming

All assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|---------|-----------------------------|
| 2 | Flock of Birds Activity |
| 3 | Reporting for Duty Activity |
| 4 | Alien Dance Squad Activity |
| 5 | Physics Pinball Activity |
| 6 | Pinball Scoring Activity |
| 7 | Thunder Road Activity |
| 8 | Mower Dodgeball Activity |
| 9 | Deep Space Activity |
| 10 | Deep Space 2 Activity |
| 11 | Bug Hunt Activity |



| | |
|--------------------|---|
| 12 | Banana Breakout Activity |
| 13 | Planning Documents Activity |
| 14 | Mid-Term Requirements Activity |
| 14 | Mid-Term Design Activity |
| 14 | Mid-Term Coding & Testing Activity |
| 15 | Treasure Hunt Activity |
| 16 | RoboDash Activity |
| 17 | RoboDash Animation Activity |
| 18 | RoboDash Sounds Activity |
| 19 | Mini-Golf Activity |
| 20 | Mini-Golf Levels Activity |
| 21 | Space Creeps Activity |
| 22 | Space Creeps Settings Activity |
| 23 | Image Replacement Activity |
| 24 | Your Game Publication Activity |
| 25 | Project Planning Activity |
| 26 | Final Project Requirements Activity |
| 26 | Final Project Design Activity |
| 26 | Final Project Coding & Testing Activity |
| Supplemental Ch. 3 | Productivity Report Assignment |
| Supplemental Ch. 3 | Science Project Activity |
| Supplemental Ch. 3 | Exploring Software Careers Activity |
| Supplemental Ch. 3 | CTSO Exploration Activity |

Web Design

All assignments are “**external**” and should be configured as such:

| Chapter | Resource Title |
|---------|----------------------------------|
| 1 | Message Hunt Activity |
| 2 | Body Experiment Activity |
| 3 | Silent Owl Activity |
| 4 | Unordered List Activity |
| 5 | Linking Your Home Page Activity |
| 6 | External Raptors CSS Activity |
| 7 | Margins and Padding Activity |
| 8 | Borders and Backgrounds Activity |



| | |
|--------------------|----------------------------------|
| 9 | Positioning Containers Activity |
| 10 | Brand Research Activity |
| 10 | Branding Raptors Activity |
| 11 | Cropping and Resizing Activity |
| 11 | Creating Sub-Pages Activity |
| 12 | Raptor Table Activity |
| 13 | Storyboard and Site Map Activity |
| 14 | Planning and Research Activity |
| 14 | Build Website Activity |
| 14 | Evaluation and Feedback Activity |
| 15 | Investigate Environment Activity |
| 16 | Aquamaniacs Home Page Activity |
| 17 | Analyze Websites Activity |
| 17 | Styling Articles Activity |
| 18 | Leaping Dolphins Activity |
| 19 | Sound Bites Activity |
| 20 | Branding Aquamaniacs Activity |
| 21 | Grooving and Shaking Activity |
| 22 | Penguins Activity |
| 23 | Lobsters Activity |
| 24 | Lionfish Activity |
| 25 | Cuttlefish Activity |
| 26 | Otters Activity |
| 27 | Octopus Activity |
| 28 | Final Project Activity |
| Supplemental Ch. 1 | Your Own Web Search Activity |
| Supplemental Ch. 1 | Your Client Docs Activity |
| Supplemental Ch. 1 | Create and Edit a Movie Activity |
| Supplemental Ch. 1 | Technical Writing Activity |
| Supplemental Ch. 1 | Web Design Careers Activity |
| Supplemental Ch. 1 | Validate Your Code Activity |
| Supplemental Ch. 1 | Your Image Map Activity |
| Supplemental Ch. 1 | Your HTML Form Activity |
| Supplemental Ch. 1 | Frame-Up Activity |
| Supplemental Ch. 1 | CTSO Exploration Activity |