

Integration of Open Educational Resources (OER) with Moodle

Contents

What is Pressbooks?	3
What is a Webbook?.....	3
What is a Common Cartridge File (.imsc)?.....	3
Limitations of a Common Cartridge File	3
Finding and Downloading a Common Cartridge File.....	4
Importing a Book into Moodle.....	5
Adding H5P Interactivity	11
Find and Download H5P Activities.....	11
Import H5P Activities into Moodle Course	12
Use H5P Activities as a Graded Activity.....	14
Your Feedback.....	15
References	16

What is Pressbooks?

Pressbooks is online software that enables authors and publishers to design and format any kind of book, including:

- PDF: for print or print on demand
- EPUB: for Apple iBooks, Nook, Kobo, Kindle and most other ebook platforms
- Webbook: private or public

Pressbooks is used by independent authors, small and medium-sized publishers, and educational institutions worldwide. All book formats are produced using templates that are optimized to look great in a wide variety of shapes and sizes. File exports produced with Pressbooks can be exported and downloaded from Pressbooks and distributed or shared however you like.

What is a Webbook?

Pressbooks webbooks are website versions of a book that are hosted on Pressbooks and can be distributed for free to the public. Many use Pressbooks webbooks to produce and distribute open educational resources (OER). Unlike a PDF or an ebook, a webbook is a live version of your book that doesn't need to be exported or downloaded.

What is a Common Cartridge File (.imscc)?

Common Cartridge is a standard developed by IMS Global to define interoperable packages for use in Learning Management Systems (LMS) such as Moodle, Canvas, D2L, and Blackboard Learn. The Common Cartridge with Web Links export produced by Pressbooks can quickly import each chapter of a public book into a course in your LMS as an embedded external link. It also allows flexibility for adapting the textbook chapters and other resources for faculty who wish to utilize your textbook in their LMS course.

Limitations of a Common Cartridge File

While you do have some flexibility to rearrange chapters or sections of the book within LMS as described above, you cannot edit the contents of the book. Making such edits as changing the text or adding, changing, or removing specific images is impossible because the common cartridge does not make a copy of the book within LMS.

Also, the availability of course cartridges vary by book. Not all books on the Pressbooks platform are available as common cartridges. Of course, you can make a request to the publisher of the book to make the common cartridge available in the export option.

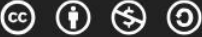
Finding and Downloading a Common Cartridge File

If a book in the [Pressbooks Directory](#) or your institution's openbook catalogue, such as [MacEwan University](#) platform, is available as a common cartridge, you will find the download link for the file under the book cover image displayed on the book's home page.. For example, here is the home page of [Introduction to Sustainability](#) by Tai Munro.

Introduction to Sustainability

Tai Munro

This book provides an introduction to sustainability. It introduces sustainability within the context of systems thinking and as including environment, economic, social, and cultural domains. The second half of the book explores the relationships between these different areas within the frame of specific sustainability challenges and topics.



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[READ BOOK](#)

Download this book

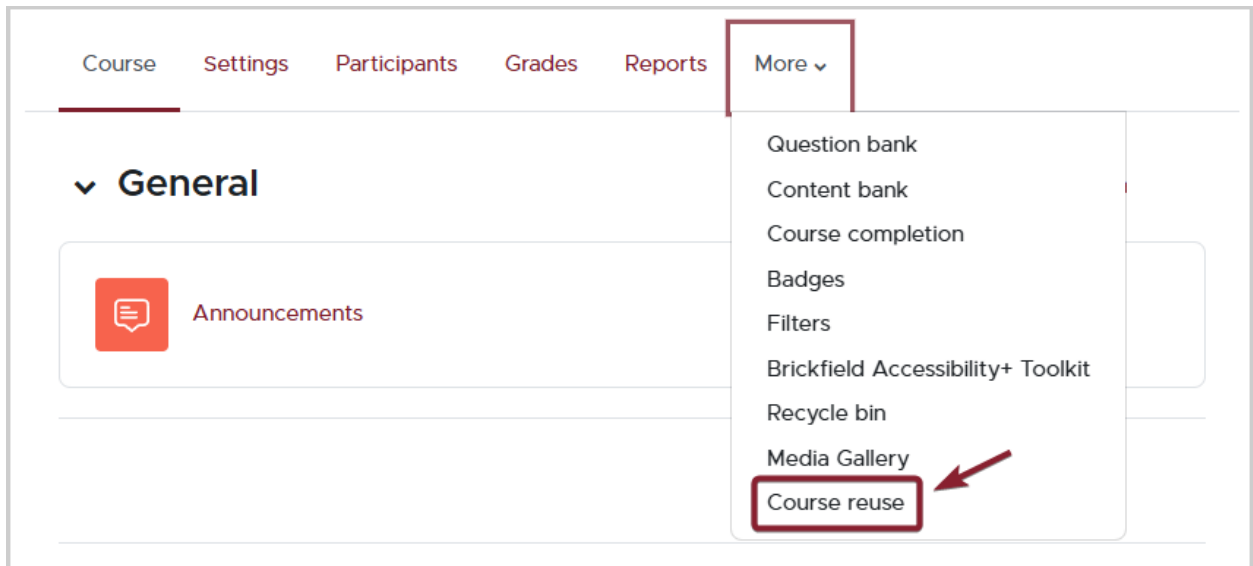
- EPUB
- Digital PDF
- Print PDF
- Common Cartridge (Web Links)**

Notice that the last item in the **Download this book** menu under the book cover image is Common Cartridge (Web Links). **Do not use** [Common Cartridge \(LTI Links\)](#) as it requires support from your IT department. Click this selection and save the file to your own computer. The file will have an extension of **.imsc**, which will be designated as an IMS Common Cartridge file.

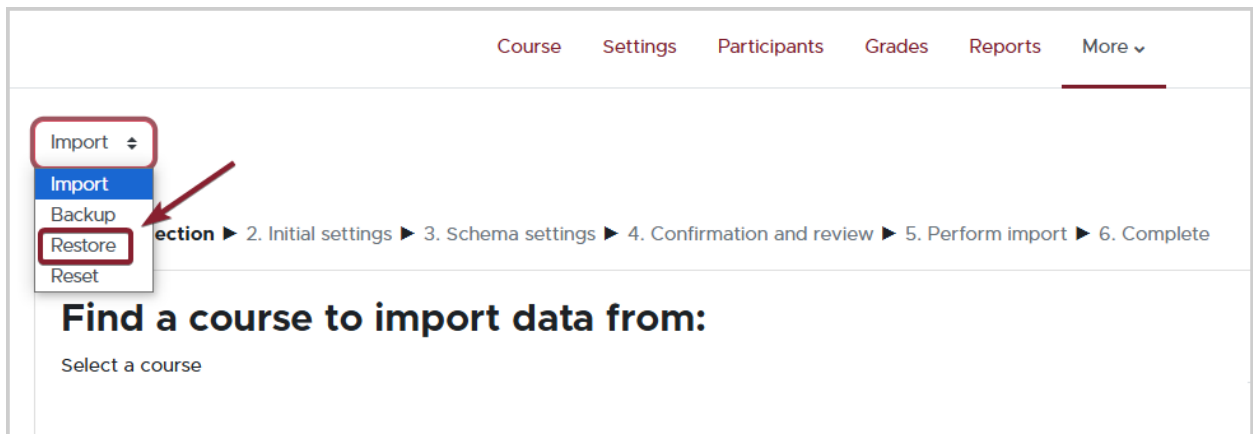
Importing a Book into Moodle

Steps:

1. Log into your institution's Moodle.
2. Find the required course in your Moodle "My Courses" area. It is advisable to create a "Sandbox" course when attempting this instruction for the first time. Once you are comfortable with the process, you can safely import it into your scheduled course.
3. Select the "**Course Reuse**" under "**More**" in the course menu.



4. Change the dropdown menu to "**Restore**".



5. Use “**Choose a file**” or “**Drag and Drop**” (1) to upload the .imsc file you have saved on your computer and then click on “**Restore**” (2).

Restore ▾

Import a backup file

Files

Choose a file... Maximum size for new files: 2 GB

Introduction-to-Sustainability-1730302019..._1_1_weblinks.imsc

RESTORE

Required

6. Click “Continue” on the next page.

Restore ▾

1. **Confirm** ▶ 2. Destination ▶ 3. Settings ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. Complete

Backup details

The selected file is not a standard Moodle backup file. The restore process will try to convert the backup file into the standard format and then restore it.

Format	IMS Common Cartridge 1.1
Type	Course

CONTINUE

7. Select “**Merge the backup course into this course**” only. Please note that the second option will delete all contents in the course and then restore the cartridge. Don't use it!

Restore ▾

1. Confirm ▶ **2. Destination** ▶ 3. Settings ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. Complete

Restore into this course

Merge the backup course into this course

Delete the contents of this course and then restore

CONTINUE

8. Keep the “**Include Activities and Resources**,” “Include custom fields,” and “**Include legacy course files**” and keep others unselected (1) and then click on “**Next**” (2).

Restore ▾

1. Confirm ▶ 2. Destination ▶ 3. **Settings** ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. Complete

Restore settings

Include enrolled users	✘
Include enrolment methods	No ▾
Include user role assignments	✘
	<input type="checkbox"/> Include permission overrides
	<input checked="" type="checkbox"/> Include activities and resources
	<input type="checkbox"/> Include blocks
Include filters	✘
Include comments	✘
Include badges	✘
Include calendar events	✘
Include user completion details	✘
Include course logs	✘
Include grade history	✘
	<input type="checkbox"/> Include groups and groupings
	<input checked="" type="checkbox"/> Include custom fields
Include content bank content	✘
	<input checked="" type="checkbox"/> Include legacy course files

Cancel **NEXT** 2

9. On this page, first, you need to check the course short name and course name so that this action does not overwrite them. At the top of the page, please **unselect** “Course short name” and “Course name” overwrite and make sure the “Overwrite course configuration” is “No”.

Restore ▾

1. Confirm ▶ 2. Destination ▶ 3. Settings ▶ **4. Schema** ▶ 5. Review ▶ 6. Process ▶ 7. Complete

Course settings

Overwrite course configuration No ▾

Course short name Overwrite
Introduction to Sustainabil

Course name Overwrite
Openbooks: Introduction!

Course start date 0 🗓

Now, you can choose some chapters or entire books to be imported into your course. As you may already have some content in the course, it's recommended to leave it as it is and then start moving to the right section in your course. After your selection, click on “**Next**”.

Select
All / None (Show type options)

<input checked="" type="checkbox"/> Section 0	User data	No
<input checked="" type="checkbox"/> Overview 🌐	-	No
<input checked="" type="checkbox"/> Accessibility Information 🌐	-	No
Section 1		
<input checked="" type="checkbox"/> Section 1	User data	No
<input checked="" type="checkbox"/> Chapter 1: What is Sustainability 🌐	-	No
Section 2		
<input checked="" type="checkbox"/> Section 2	User data	No
<input checked="" type="checkbox"/> Chapter 2: Systems Thinking 🌐	-	No
<input checked="" type="checkbox"/> Chapter 3: Systems Mapping 🌐	-	No

10. This page is just a **“Review”** of your selection to be confirmed before performing the restore. Please scroll down to the page, make sure your selections are correct, and click **“Perform Restore”** (1). If you need to make changes, you can always go to the **“Previous”** (2) page.

Section 4	✓	User data	No
Chapter 8: Climate Change 🌐	✓	-	No
Chapter 9: Circular Economy 🌐	✓	-	No
Chapter 10: Fashion 🌐	✓	-	No
Chapter 11: Food 🌐	✓	-	No
Chapter 12: Travel 🌐	✓	-	No
Chapter 13: Urban Transportation 🌐	✓	-	No

Section 5	✓	User data	No
Versioning History 🌐	✓	-	No

2 PREVIOUS Cancel PERFORM RESTORE **1**

11. Wait until you receive the **“The course was successfully restored.”** (1) message and then click **“Continue”** (2).

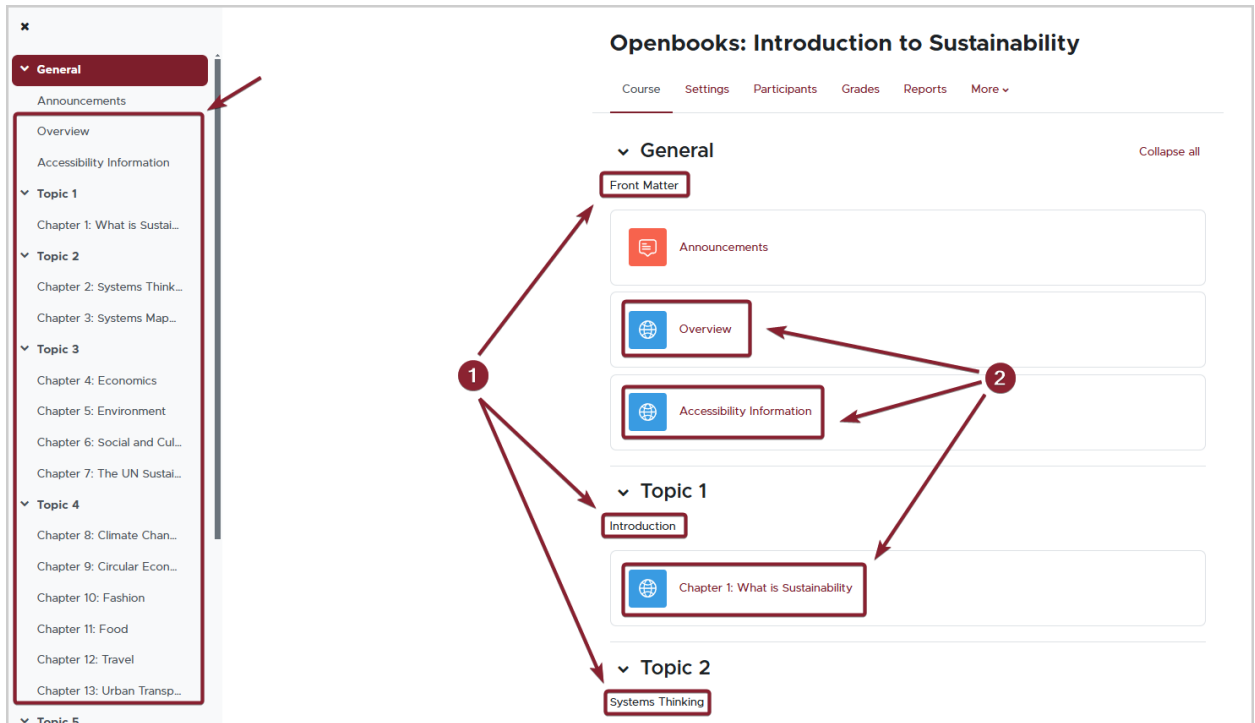
Restore ↕

1. Confirm ▶ 2. Destination ▶ 3. Settings ▶ 4. Schema ▶ 5. Review ▶ 6. Process ▶ 7. Complete

The course was successfully restored. **1**

2 CONTINUE

12. In Moodle, the chapter's title will be added to the description of each topic (1), and the embedded link to a chapter's content will be added underneath (2).



By clicking "Edit Mode" at the top right of your screen, you can edit the description of each topic and move the chapter contents in your course.


Please note that **you cannot edit the book's contents. Making such edits as changing the text or adding, changing, or removing specific images or H5P activities is impossible because the common cartridge does not make a copy of the book within LMS and book chapters are embedded in an external link to a public book.**

Adding H5P Interactivity

Some books include H5P activities to enhance the learning curve for students. Those are available through the book chapters, but if you plan to add them as the grade item to your course, you must follow these steps. Please note that some H5P activities, such as Image Hotspots and Virtual Tours, can not be graded depending on their nature.

Find and Download H5P Activities

In the Pressbooks Catalogue, locate the book by searching. Click on “# H5P Activities”.



Introduction to Sustainability
CC BY-NC-SA (Attribution NonCommercial ShareAlike) | **19 H5P Activities** | English (Canada)

Author(s): Tai Munro
Editor(s): McKenzie Spies
Subject(s): Sustainability
Institution(s): MacEwan University
Publisher: MacEwan Open Books
Last updated: 18/10/2024

Through the use of a variety of media, Introduction to Sustainability provides a broad overview of the complexity of sustainability through the lens of systems thinking. After a brief look at the modern history of sustainability, it introduces systems thinking and the process of systems mapping. It then moves through the domains of sustainability including environment,...

[Read more](#)

Click on “**Expand All**”.

INTRODUCTION TO SUSTAINABILITY

H5P ACTIVITIES LIST

This book includes **19** H5P activities. Only those which have been inserted into book content will be included if the book is cloned.

EXPAND ALL

Click on “**Reuse**” under each activity and click on “**Download**”. A .h5p file will be saved on your computer.

ID	Title	Activity type	Show/Hide
1	Elements or Interconnections?	Multiple Choice	HIDE ACTIVITY

In the transportation system where you live, which of the following would be elements? Select ALL that apply.

Cars

Roads


Pedestrians

Drivers' attitudes about cyclists

[Check](#)

[Reuse](#) [Embed](#) H5P

Reuse Content [More Info](#) ✕

 **Download as an .h5p file**

.h5p files may be uploaded to any web-site where H5P content may be created.

Import H5P Activities into Moodle Course

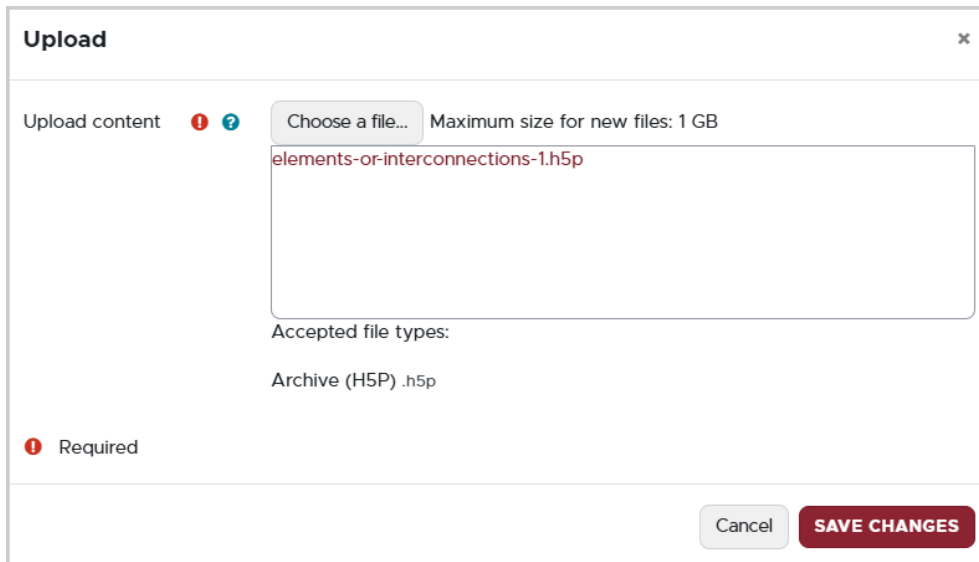
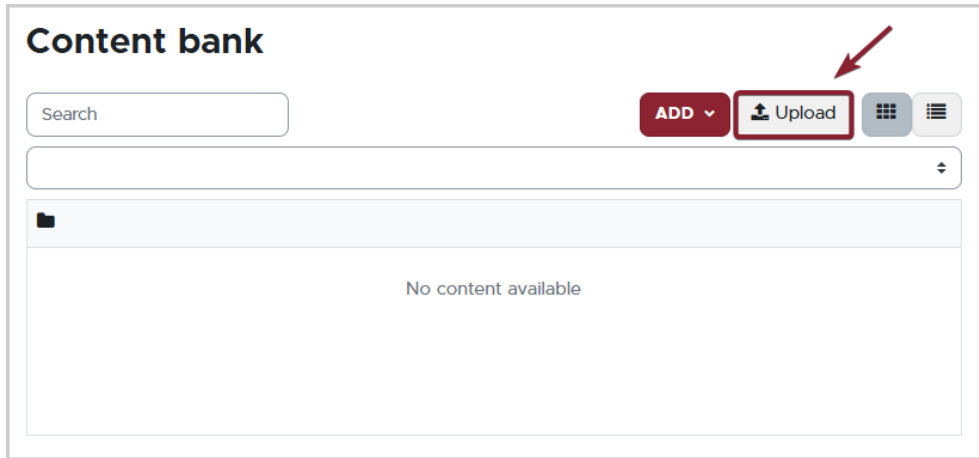
In the course menu, click on “**More**” (1) and then click on “**Content Bank**” (2).

Course Settings Participants Grades Reports **More** 1

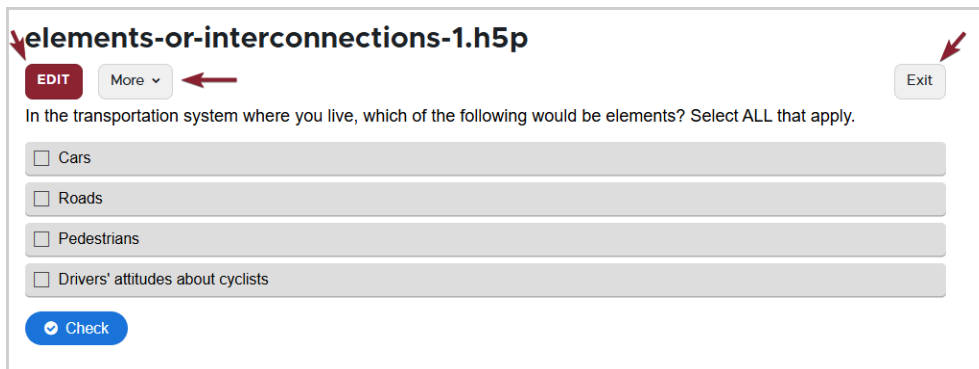
General

- Question bank
- Content bank** 2
- Course completion
- Badges
- Filters
- Legacy course files
- Brickfield Accessibility+ Toolkit
- Recycle bin
- Media Gallery
- Course reuse

Click on **“Upload,”** upload the file you have saved from the book and click on **“Save Changes.”**

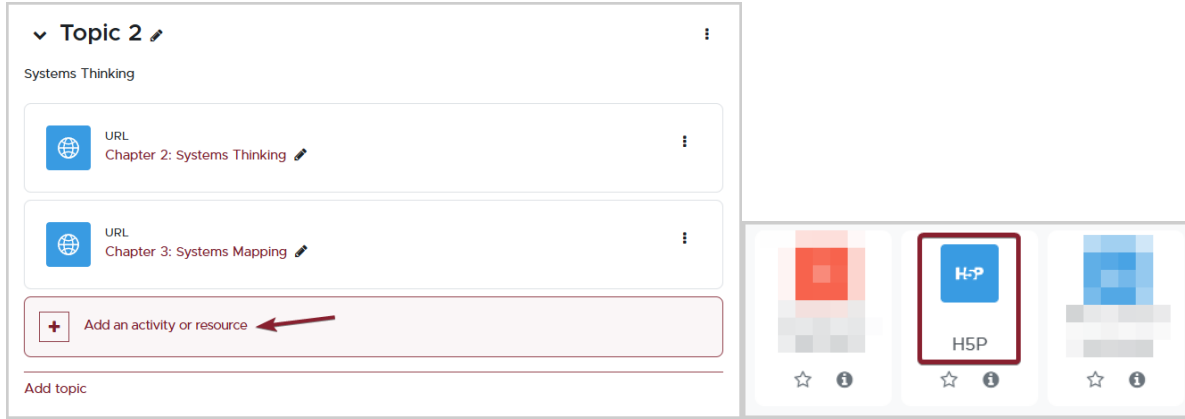


Click on **“Exit”**. On this page, you can *rename* the activity or *make changes*.

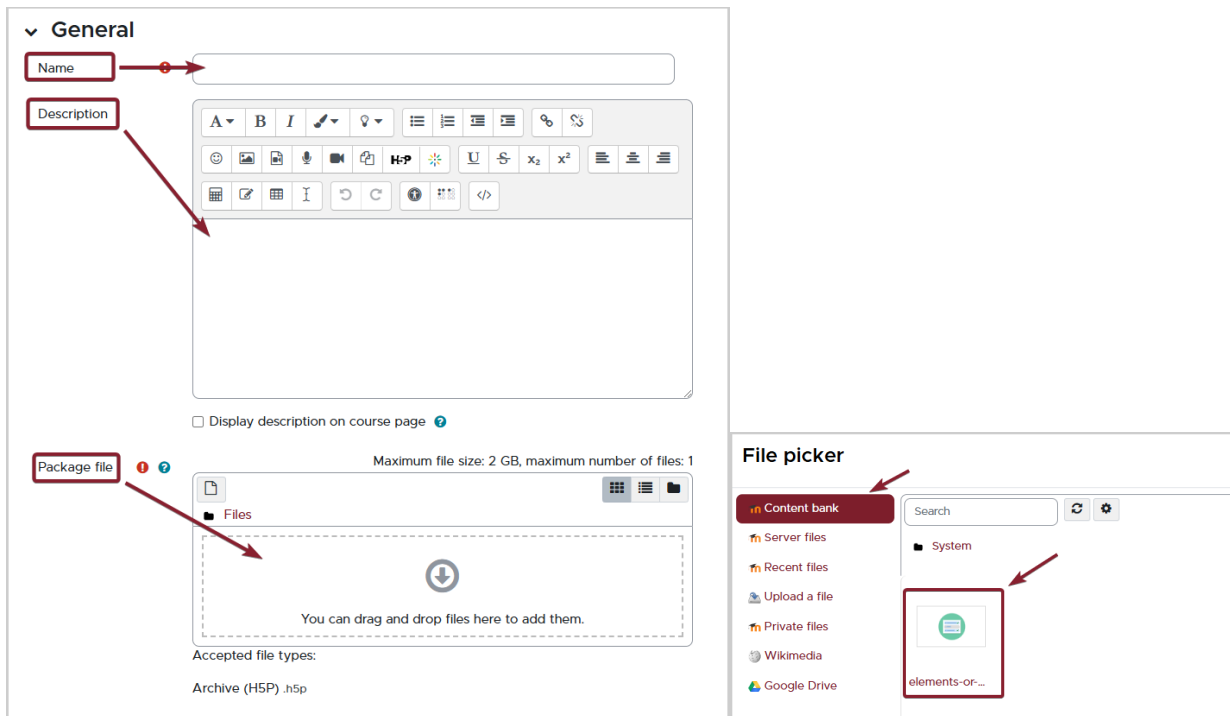


Use H5P Activities as a Graded Activity

On the course dashboard, with “**Edit Mode: ON,**” find the related topic or chapter of the book and then click on “**Add Activity or Resource**”. Select “**H5P**” from the list.



Name it properly with a description if needed. “**Upload**” the activity from the “**Content Bank**”.



In the H5P activity settings, locate the “**Grade**” and “**Attempt Options**” and make the necessary changes.

The screenshot displays the H5P activity settings interface. It is divided into two main sections: "Grade" and "Attempt options".

Grade Section:

- Grade:** A dropdown menu is set to "Point".
- Maximum grade:** A text input field contains the number "5".
- Grade category:** A dropdown menu is set to "Uncategorised".
- Grade to pass:** An empty text input field.

Attempt options Section:

Some H5P provide attempt tracking data for advanced reporting such as number of attempts, responses and grades. Note: Some H5P don't provide attempt tracking data. In such cases, the following settings will have no effect.

- Enable attempt tracking:** A dropdown menu is set to "Yes".
- Grading method:** A dropdown menu is set to "Highest grade".
- Review attempts:** A dropdown menu is set to "Participants can review their own attempts".

Red boxes in the image highlight the "Type", "Maximum grade", "Grade category", "Enable attempt tracking", "Grading method", and "Review attempts" settings.

Please note that not all H5P activities are gradable due to the limitations of their nature.

Your Feedback

If you have used this guide for integrating Pressbooks (OER) into Moodle, please take a moment to complete our short feedback survey:

<https://forms.office.com/r/vgWSe5zR4n>

References

McKinney, A., Nevins, R., & Arestyl, E. (2022). *Importing a Book into Blackboard*. Pressbooks.

<https://pressbooks.cuny.edu/cunypressbooksguide/chapter/importing-a-book-into-blackboard/>

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Course restore - MoodleDocs. (n.d.). https://docs.moodle.org/401/en/Course_restore