

Lesson Activity

(Designing a Lesson for Students in Moodle)

Lesson Activity Overview

A Lesson Activity in Moodle can be designed in the following ways:

- 1) As a “Guided Lesson” where selections take all students through the lesson in the same sequence. There is a single sequence of pages.
- 2) As a “Choose Your Own Adventure” style where the next page a student sees depends on the selection made on the current page. There are multiple paths through the lesson.

A Lesson Activity in Moodle can contain any combination of the following page types:

- 1) **Content Pages** that contain text, pictures, videos, and links.
- 2) **Question Pages** that can contain several questions like Multiple Choice, Matching, True/False, Numerical, Short Answer, and Essay types.

A Lesson Activity can be set-up in any combination of the following:

- Graded or Not Graded
- Monitored for Completion of Not Monitored for Completion
- Allow for Retakes or Be Available One Time Only

Lesson Activity Planning and Design

We recommend that you design the Lesson before beginning to create the pages in Moodle. Designing the Lesson is a matter of:

Defining the Learning Objective of the Lesson (what do you intend the student will know, do, or feel after completing the lesson)

- **Defining the Content** (what is the information you will convey, what questions will you ask, how will the questions be asked, where will the answers the students choose take them in the Lesson)
- **Sequencing the Pages** (Guided Lesson (easiest and quickest design strategy) vs Choose Your Own Adventure (requires more careful planning and design))

See the pages at the end of this document to help with the Lesson Design and Sequencing.

Create and Set-up the Lesson Activity

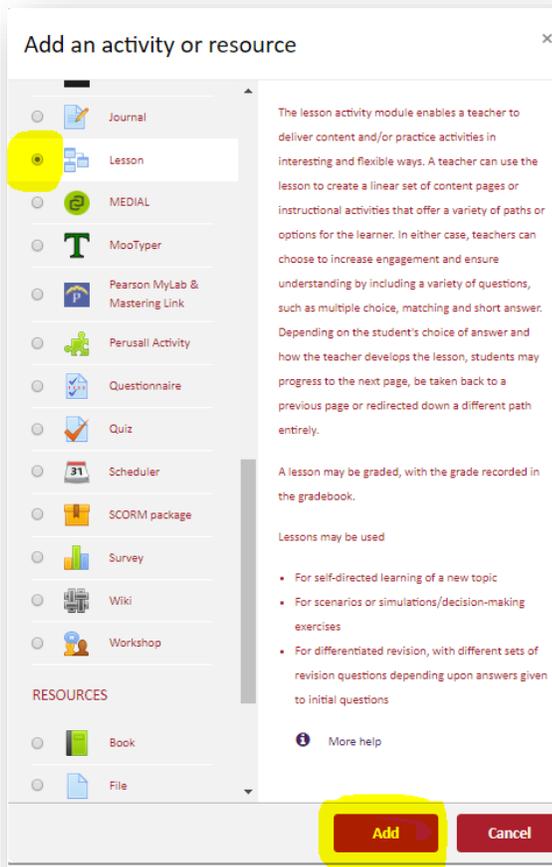
Step 1: On the main course page, select the button “Turn editing on”

The screenshot shows the Moodle interface for a course. At the top, there is a navigation bar with the Assiniboine Community College logo, a 'Dashboard' link, and several menu items: HELP, MyACC, Library, Webmail, Office 365, and LinkedIn Learning. On the right side of the navigation bar, there are notification icons and the user's name 'Chris Bell' with a profile picture. Below the navigation bar, the page title is 'Lesson Activity'. A breadcrumb trail reads: Dashboard / My courses / Moodle and Technology Training / Ed Tech Resources / Lesson Activity. In the top right corner of the main content area, a red button labeled 'Turn editing on' is highlighted with a yellow circle. Below the title, there is a large red horizontal bar. Underneath this bar, there are two sections: 'Lesson Activity' and 'Sample Lesson 1'. On the right side of the page, there is an 'Administration' sidebar with a dropdown menu. The menu is expanded to show 'Turn editing on' as the selected option, along with other options like 'Edit settings', 'Course completion', 'Users', 'Unenrol me from Lesson Activity', and 'Filters'.

Step 2: In the section where you want the lesson to be available to the students, go to the bottom of that section, and select the link “+ Add an activity or resource”

The screenshot shows the Moodle interface for a course, similar to the previous one. The navigation bar and user profile are the same. The page title is 'Lesson Activity' and the breadcrumb trail is the same. In the top right corner, a red button labeled 'Turn editing off' is visible. Below the title, there is a large red horizontal bar. Underneath this bar, there are three sections: 'Lesson Activity', 'Sample Lesson 1', and a third section. Each section has a '+ Add an activity or resource' link at the bottom, which is highlighted with a yellow circle. On the left side of the page, there is an 'Add a block' sidebar with a dropdown menu labeled 'Add...'. On the right side, the 'Administration' sidebar is expanded to show 'Turn editing off' as the selected option. Other options in the menu include 'Edit settings', 'Course completion', 'Users', 'Unenrol me from Lesson Activity', 'Filters', 'Reports', 'Gradebook setup', 'Outcomes', and 'Badges'.

Step 3: In the Add an activity or resource pop-up menu, scroll to and select the radio button beside the Lesson activity icon. Then select the button “Add” at the bottom of the menu pop-up. This will take you to the Lesson Activity set-up page.



Lesson Activity Settings

There are several considerations that need to have been determined when setting up the Lesson Activity. For this example, the Lesson will be linear (not choose your own adventure), it will have both content and question pages, it will have a time limit to complete, it will be graded, it will allow students to try complete the Lesson no more than 3 times, and it will be monitored for completion.

Settings will be configured in the following sections:

- General
- Appearance
- Availability
- Flow control
- Grade
- Activity completion

The other sections will be left with their default settings.

Step 4(a): In the “Name” box, you must enter the Lesson Activity a name. In this example, the name is “Sequential Lesson Example”

Adding a new Lesson to Lesson Activity

Expand all

General

Name ! Sequential Lesson Example

Description

Paragraph B I [List Icons] [Link Icons] [Image Icons] [Table Icons]

Step 4(b): In the “Appearance” section, you determine who the Lesson Activity will appear to the students as they progress through the activity. In this example, everything is being left in the default settings.

Appearance

Progress bar ? No

Display ongoing score ? No

Display menu ? No

Slideshow ? No

Maximum number of answers ? 4

Step 4(c): It is in the “Availability” section where the Time limit for completing the Lesson is set. In this example, I am setting the time limit to 10 minutes.

Availability

Available from 10 March 2020 12 27 Enable

Deadline 10 March 2020 12 27 Enable

Time limit ? 10 minutes Enable

Password protected lesson ! ? No

Allow lesson to be attempted offline using the mobile app ! ? No

! If enabled, a mobile app user can download the lesson and attempt it offline. All the possible answers and correct responses will be downloaded as well. Note: It is not possible for a lesson to be attempted offline if it has a time limit. ×

Step 4(d): It is in the “Flow control” section where you control the students ability to review the lesson or not, provide the option to try the lesson again, set the maximum number of attempts (in this example, I am going to let students try to achieve a higher grade 2 times after completing the lesson.)

▼ Flow control

Allow student review ? Yes

Provide option to try a question again ? No

Maximum number of attempts ? 3

Action after correct answer ! ? Normal - follow lesson path

Number of pages to show ! ? 1

Show less...

Step 4(e): It is in the “Grade” section where the maximum number of points for the Lesson Activity is set. In this example, I am going to grade this activity out of 10. Because I want the students to be able to re-attempt the lesson, I am setting the “Re-takes allowed” to “Yes”.

▼ Grade

Grade ?

Type Point

Maximum grade 10

Grade category ? Uncategorised

Grade to pass ?

Practice lesson ? No

Custom scoring ? Yes

Re-takes allowed ? Yes

Handling of re-takes ! ? Use mean

Minimum number of questions ! ? 0

Show less...

Step 4(f): I want to be able to view a report that will tell me who has completed the Lesson. I do not want students to be able to change the activity completion status themselves, so I am changing that to “Show activity as complete when conditions are met”. Then set the conditions. For this example, the lesson will show as complete in the activity completion report when a student has:

- Viewed the activity, and
- Received a grade for the activity, and
- Reached the end of lesson page

▼ Activity completion

Completion tracking ? Show activity as complete when conditions are met

Require view Student must view this activity to complete it

Require grade Student must receive a grade to complete this activity ?

Require end reached Student must reach the end of lesson page to complete this activity

Require time spent Student must do this activity at least for 0 minutes

Expect completed on ? 10 March 2020 12:27 Enable

Step 4(g): Once all the settings are configured according to your plan, scroll to the bottom of the page and select the button “Save and return to course”

Adding a new Lesson to Lesson Activity ? ▶ Expand all

▶ General

▶ Appearance

▶ Availability

▶ Flow control

▶ Grade

▶ Common module settings

▶ Restrict access

▶ Activity completion

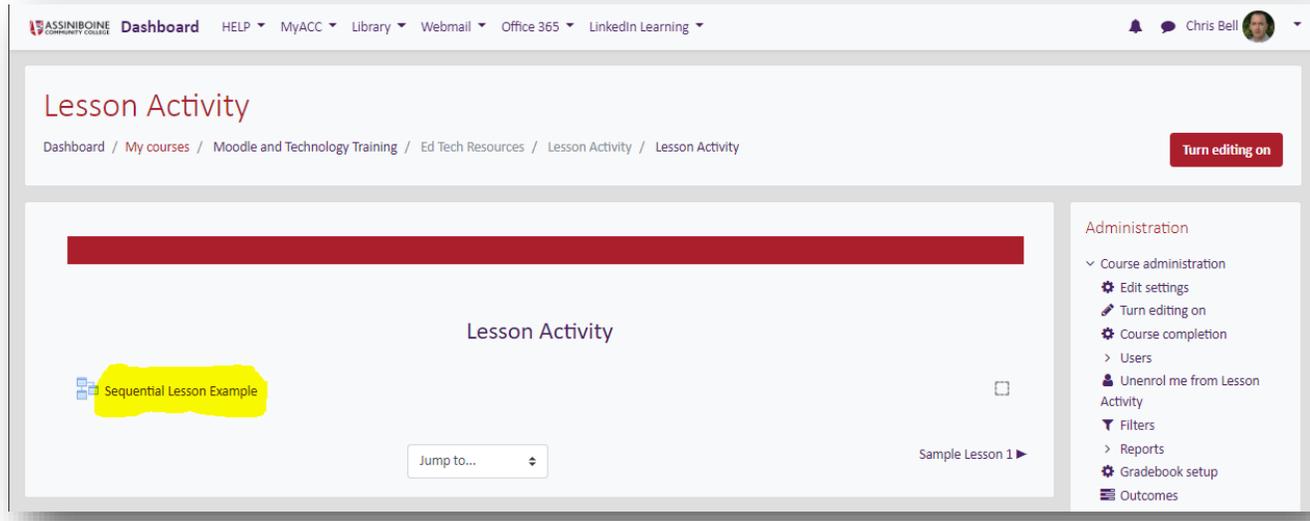
▶ Tags

▶ Competencies

Save and return to course **Save and display** **Cancel**

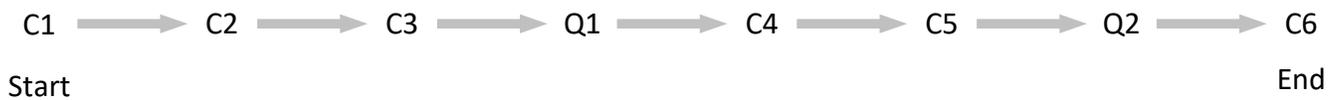
There are required fields in this form marked ? .

Step 5: After saving the settings, you will be shown the Lesson activity on the course page. Click on the Lesson Activity Link. This will take you to the page where you can enter content into the lesson.

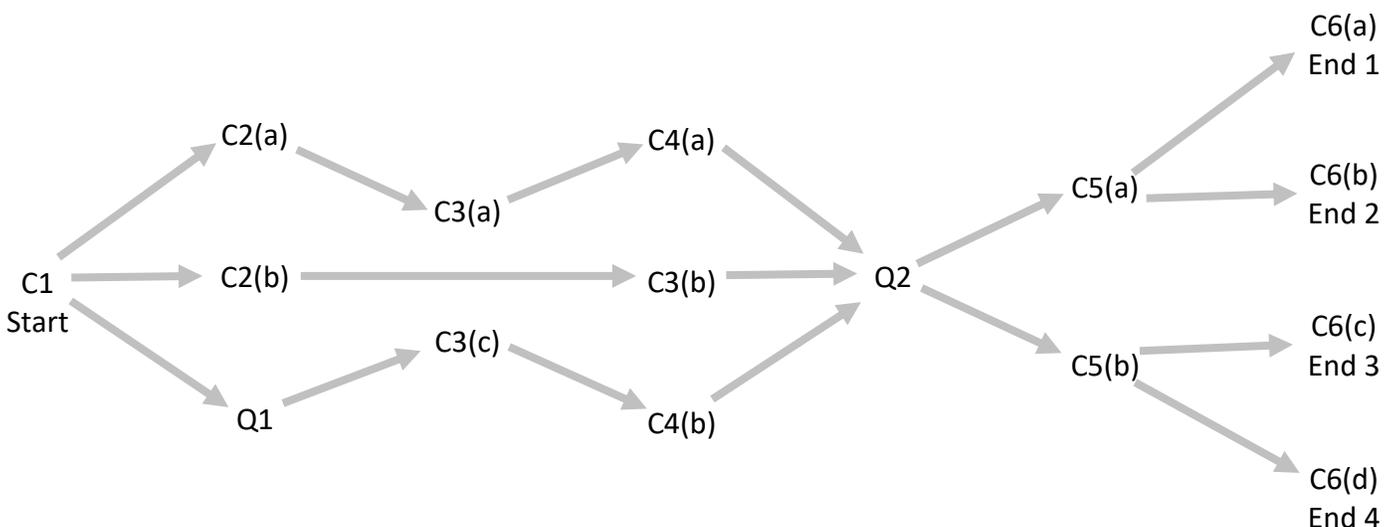


Lesson Design and Flow

Below is an example of a Linear Lesson Sequence. There is only 1 path for the student to follow.



Below is an example of a Tree Lesson Sequence. There is choices for the student to make, and multiple paths for the student to follow.



Currently the Lesson is completely empty.

For this simple example, I plan on adding a content page, followed by another content page, followed by a question page (where a wrong answer will return the student to the previous page, and a correct answer will take them to the next content page), followed by another content page, followed by the end of lesson page (which is just another content page).

See the diagram to the right to get a sense of the lesson flow the student will follow when completing this example lesson.

Create a “Development Repository”. We recommend making a separate page for each Content or Question page in the lesson development repository. As the lesson grows in complexity, the challenge will be to keep track of the lesson flow. If something changes (a page is added or deleted), you will need some documentation to see what edits are required.

On each page in the Development Repository include the following information:

Page Title (C1, C2, Q5, et.c)

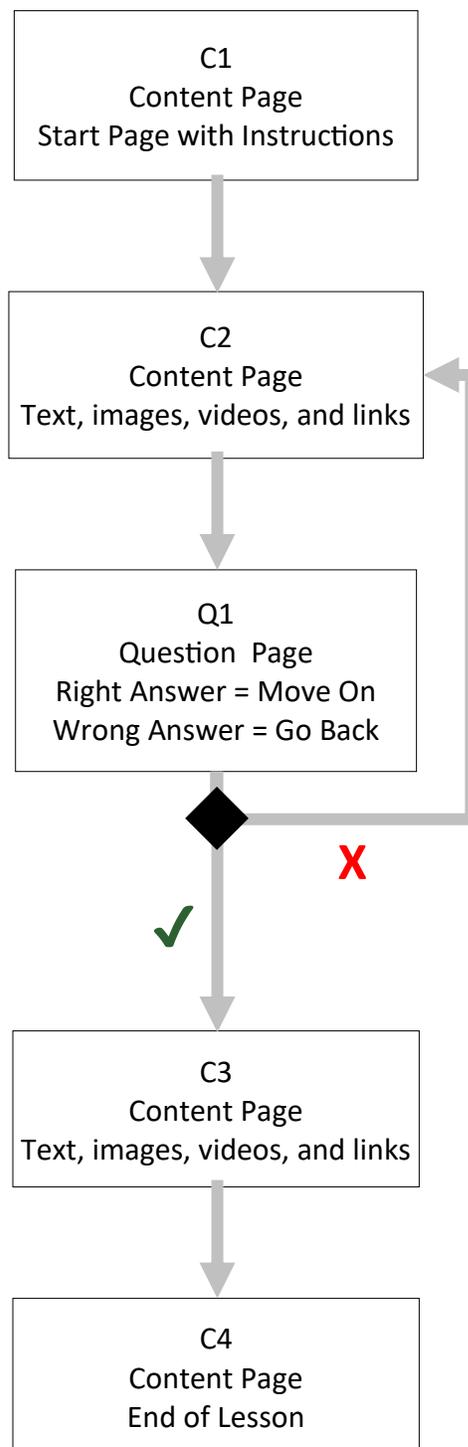
Page Type (Content or Question)

From Page (s) (Precedents)

The content, as you intend it to appear on the screen.

To Page (s) (Dependents)

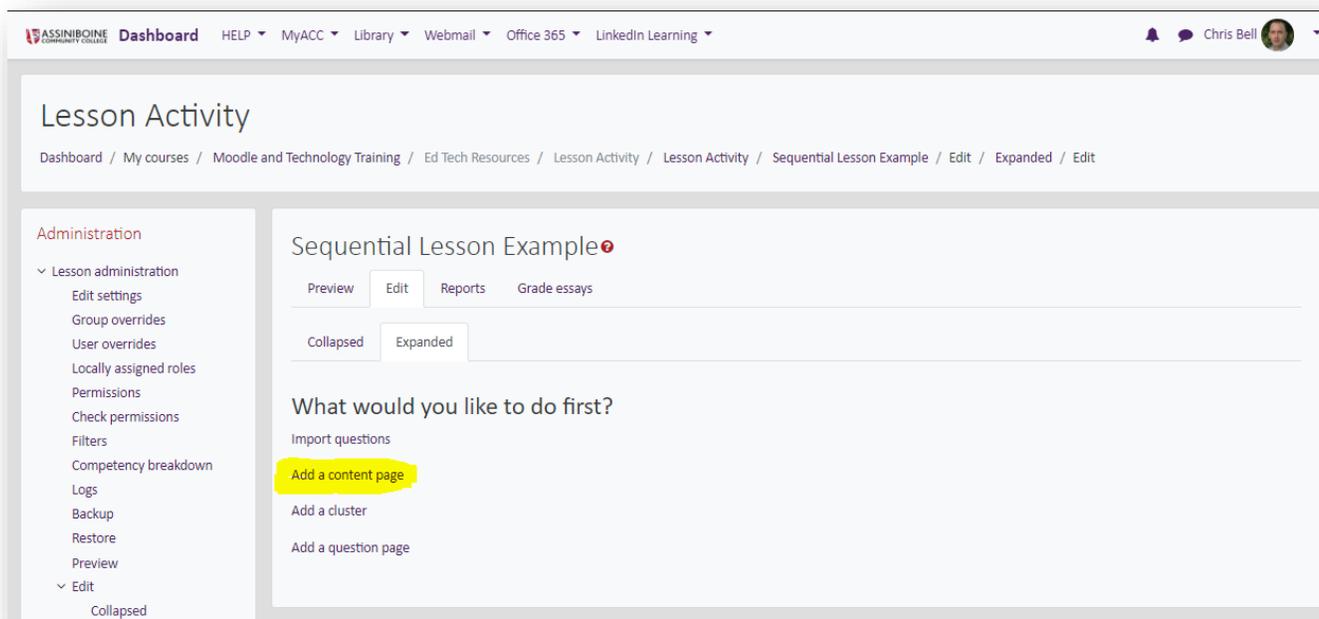
See page “x” for an example of what such a design page can look like.



Adding Content and Question Pages to the Lesson Activity

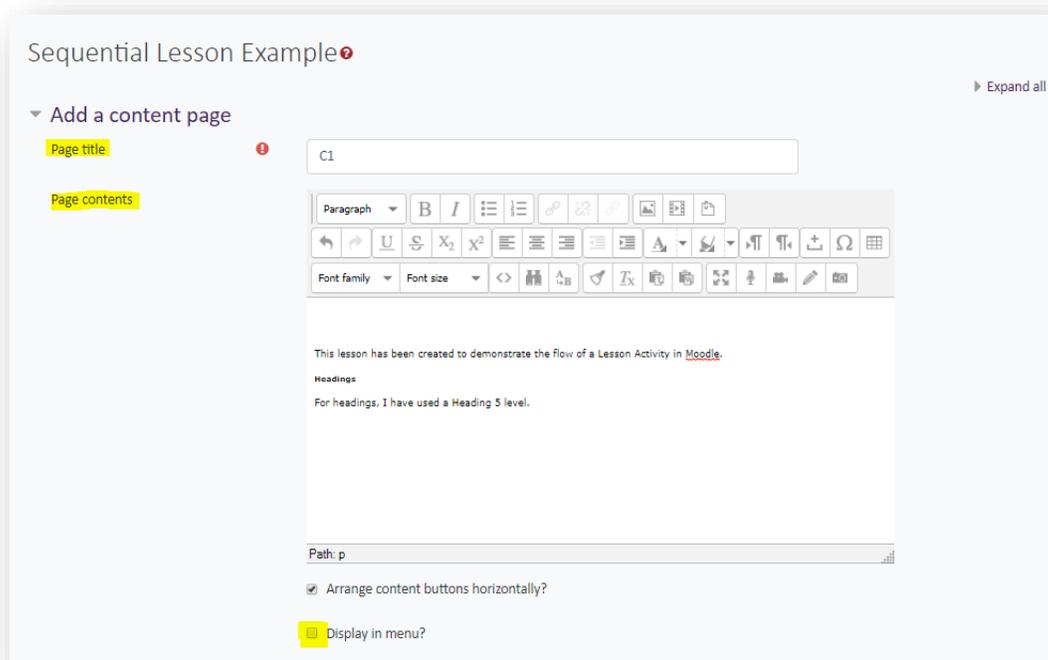
Armed with your Sequence Chart and your Development Repository – you can begin to cut and paste the content into Moodle.

Step 6: On the lesson page, select the link “Add a content page”



The screenshot shows the Moodle interface for editing a Lesson Activity. The page title is "Sequential Lesson Example". On the left, there is an "Administration" sidebar with a tree view. The "Add a content page" option is highlighted in yellow. The main content area shows the question "What would you like to do first?" with options: "Import questions", "Add a content page", "Add a cluster", and "Add a question page".

Step 7: In the “Page title” box, enter the page title. In the Page contents box, enter the page contents. (Note that I have de-selected “Display in Menu”)



The screenshot shows the "Add a content page" form in Moodle. The "Page title" field is highlighted in yellow and contains the text "C1". The "Page contents" field is also highlighted in yellow and contains the text: "This lesson has been created to demonstrate the flow of a Lesson Activity in Moodle." Below the text area, there is a "Path" field with the value "p". At the bottom, the "Display in menu?" checkbox is unchecked and highlighted in yellow.

Step 8: Next you will specify the name of the button (s) that appear on the page, that are used to navigate to other pages. Enter the word that you want displayed on the button. For this example, I am using the word “Continue”. Also, I am not giving the student a choice of where to go – they can only go to the next page.

After entering the name of the button in the description box, select Save page.

Content 1

Description ! Continue

Jump This page

Content 2

Content 3

Content 4

Save page Cancel

There are required fields in this form marked !.

Note: Although you have now named the navigation button, you cannot set the “Jump” until you create the page that this button will be jumping to. For now, we recommend that you set all the Jumps to “End of Lesson” until all the content has been added to the lesson. This will make it very easy to identify which pages still need to have the Jumps set. Think of adding the Jumps as the last step in the Lesson Activity creation process.

Now a summary of all the lesson pages currently created can be viewed (note that I have selected the “Collapsed” tab).

ASSINIBOINE COMMUNITY COLLEGE Dashboard HELP MyACC Library Webmail Office 365 LinkedIn Learning Chris Bell

Lesson Activity

Dashboard / My courses / Moodle and Technology Training / Ed Tech Resources / Lesson Activity / Lesson Activity / Sequential Lesson Example / Edit / Collapsed / Edit

Administration

- Lesson administration
 - Edit settings
 - Group overrides
 - User overrides
 - Locally assigned roles
 - Permissions
 - Check permissions
 - Filters
 - Competency breakdown
 - Logs
 - Backup

Sequential Lesson Example !

Preview Edit Reports Grade essays

Collapsed Expanded

Page title	Page type	Jumps	Actions
C1	Content	End of lesson	<ul style="list-style-type: none"> Sort Settings Copy Search Delete Add a new page...

Step 9: In the Actions drop down box, select “Add a new page...”, and then “Add a content page”

The screenshot shows the Moodle LMS interface for a 'Sequential Lesson Example'. The page title is 'Sequential Lesson Example' and it is currently in 'Collapsed' state. The 'Actions' dropdown menu is open, showing options like 'Add a new page...', 'Add a content page', and 'Add a new page type'. The 'Add a new page...' option is highlighted in yellow.

Page title	Page type	Jumps	Actions
C1	Content	End of lesson	⋮

Step 10: Perform steps 7 to 9 again.

The screenshot shows the Moodle LMS interface for a 'Sequential Lesson Example' in 'Expanded' state. The 'Page contents' section is visible, showing a rich text editor with text, images, and a video link. The 'Page title' and 'Page contents' sections are highlighted in yellow.

Page title

Text, images, video, and links.

Page contents

Beware the House Hippo!!! (This is Text)

 (This is an Image)

 (This is a GIF)

<https://www.youtube.com/watch?v=Ti1co5Bt4tE> (This is a video link to YouTube)

Path: p

Arrange content buttons horizontally?

Display in menu?

Content 1

Description

Continue

Jump

End of lesson

Content 2

Content 3

Content 4

Save page Cancel

Step 11: In the Actions column, select the “Add a new page...” drop down, and select “Add a question page” from the list.

Step 12: In the “Select a question type” drop down box, select the type of question you want the students to answer. Each question type has a slightly different setting page—but if you have made it this far, you will be able to easily figure it out. For this example, I am selecting a “Multichoice” type question to ask.

The screenshot shows the Moodle interface for configuring a Sequential Lesson Example. The page title is "Sequential Lesson Example". Under the heading "Create a Multichoice question page", there are two sections: "Page title" and "Page contents". The "Page title" field contains "Q1". The "Page contents" field contains the text "Is the House Hippo a real animal?". Below the content field, there is a "Path" field with the value "p". At the bottom of the page, there is a checkbox labeled "Multiple-answer" which is currently unchecked.

Step 13: The Lesson Activity is currently configured to accept a maximum of 4 possible answers. The Multichoice type questions requires that at least 2 of the 4 spots are filled in.

Each option has to be configured:

Answer box: This text will appear to the student as an option.

Response box: This text will appear to the student when they check the answer.

Jump box: Tells Moodle which page to jump to if the student selects this answer

Score box: Tells Moodle how many points the student gets for selecting this answer

Here is the Lesson Page Summary for this example lesson.

Now that all of the pages have been create, along with the button text for each Jump button, all that is left to do is go back and assign which pages the buttons will jump to.

Page C1 jumps to C2

Page C2 jumps to Q1

Q1 may jump to C2 or C3, depending on the answer given

C3 jumps to C4

C4 jumps to the End of the Lesson page.

Step 14: On each page, one at a time, select the gear icon to edit the page.

Administration

- Lesson administration
 - Edit settings
 - Group overrides
 - User overrides
 - Locally assigned roles
 - Permissions
 - Check permissions
 - Filters
 - Competency breakdown
 - Logs
 - Backup
 - Restore
 - Preview
 - Edit
 - Collapsed**
 - Expanded
 - Reports
 - Grade essays
- Course administration
- Site administration

Sequential Lesson Example

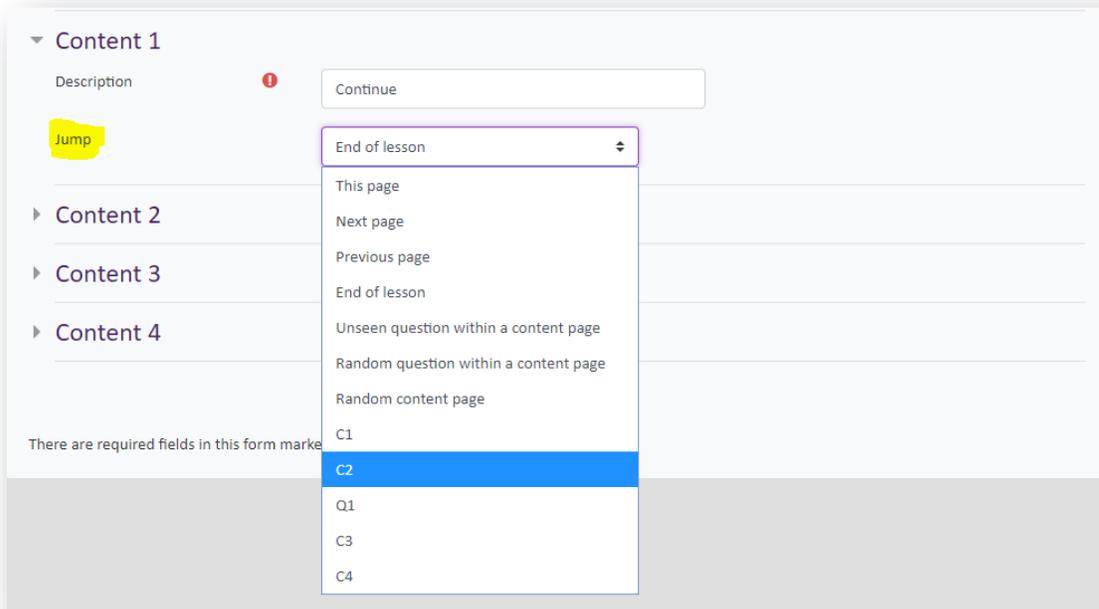
Preview Edit Reports Grade essays

Collapsed Expanded

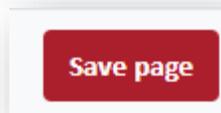
Inserted page: C4

Page title	Page type	Jumps	Actions
C1	Content	End of lesson	Add a new page...
C2	Content	End of lesson	Add a new page...
Q1	Multichoice	End of lesson End of lesson	Add a new page...
C3	Content	End of lesson End of lesson	Add a new page...
C4	Content	End of lesson	Add a new page...

Step 15: In the Jump drop down box, select the page that the student will be taken to, when they select the button. In this case, pressing the button would take the student to page C2.



Don't forget to save!



Step 16: Do the same for all the pages that say “End of Lesson” (except for the final “End of Lesson”). It is possible to have more than one page leading to the end of a lesson – but let's keep it simple for now.

Sequential Lesson Example ?

Preview Edit Reports Grade essays

Collapsed Expanded

Page title	Page type	Jumps	Actions
C1	Content	C2	↑ ⚙️ 📄 🔍 🗑️ Add a new page... ▾
C2	Content	End of lesson	↑ ⚙️ 📄 🔍 🗑️ Add a new page... ▾
Q1	Multichoice	End of lesson End of lesson	↑ ⚙️ 📄 🔍 🗑️ Add a new page... ▾
C3	Content	End of lesson End of lesson	↑ ⚙️ 📄 🔍 🗑️ Add a new page... ▾
C4	Content	End of lesson	↑ ⚙️ 📄 🔍 🗑️ Add a new page... ▾

Sequential Lesson Example 

Preview Edit Reports Grade essays

Collapsed Expanded

Page title	Page type	Jumps	Actions
C1	Content	C2	     Add a new page... 
C2	Content	Q1	     Add a new page... 
Q1	Multichoice	C3 C2	     Add a new page... 
C3	Content	C3	     Add a new page... 
C4	Content	End of lesson	     Add a new page... 

Step 17: Switch to a student view, and verify the lesson navigation and appearance. (When I tried this, I realized that the Jump in C3 should be C4)

Step 18: Go back and change all the Page Titles (unless you are happy with the “C1” showing at the top of the page. As I changed the page titles, they automatically changed for the Jumps.

Sequential Lesson Example 

Preview Edit Reports Grade essays

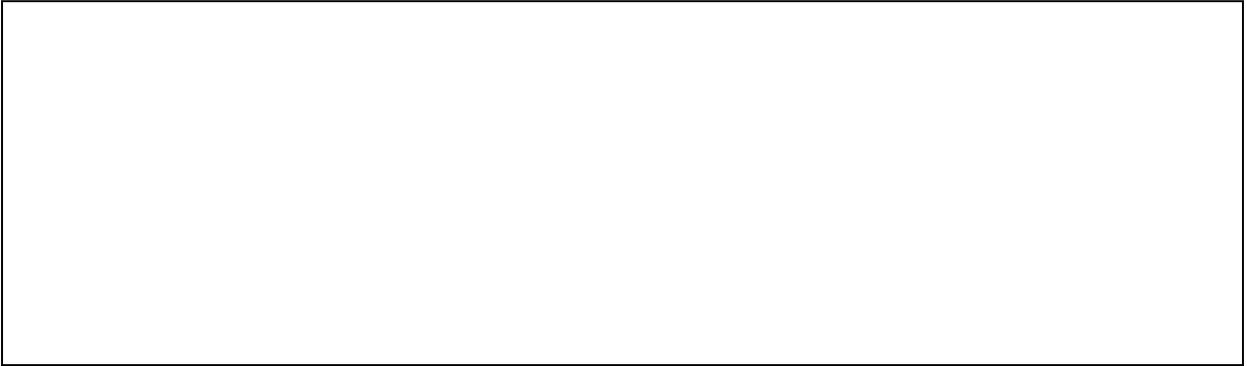
Collapsed Expanded

Page title	Page type	Jumps	Actions
Lesson Introduction	Content	All About the House Hippo	     Add a new page... 
All About the House Hippo	Content	Check your understanding!	     Add a new page... 
Check your understanding!	Multichoice	More information about House Hippos All About the House Hippo	     Add a new page... 
More information about House Hippos	Content	The Lesson Wrap-up	     Add a new page... 
The Lesson Wrap-up	Content	End of lesson	     Add a new page... 

End of Instructions

Moodle Lesson Activity Development Template

Lesson Learning Outcomes:



Lesson Flow Diagram:



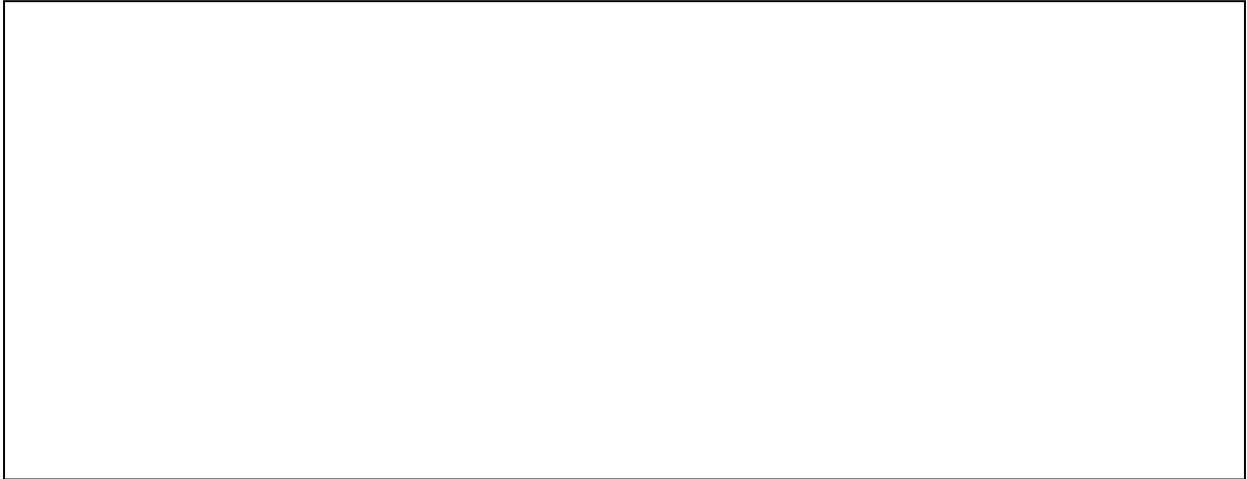
Page ID:

Page Title:

From Page (s) (Precedents):

To Page (s) (Dependents):

Content:

A large, empty rectangular box with a thin black border, intended for entering the content of the page.

Page ID:

Page Title:

From Page (s) (Precedents):

To Page (s) (Descendents):

Content:

A large, empty rectangular box with a thin black border, intended for entering the content of the page.