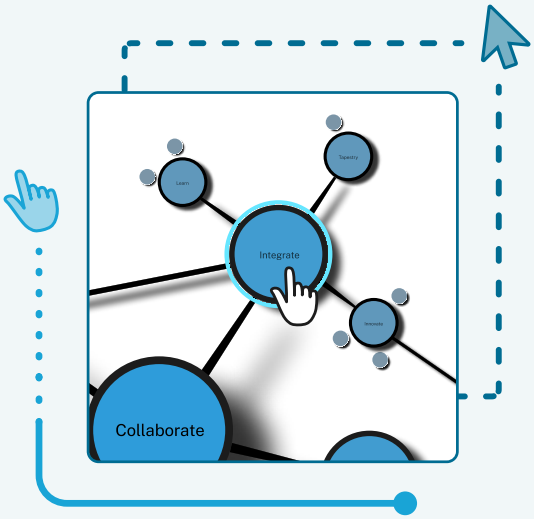
home.tapestry-tool.com tapestry tool support contact: steven j. barnes



TAPESTRY TOOL beta

2022 STLHE ANNUAL CONFERENCE

Building Multimodal, Nonlinear, and Interactive Learning Experiences: A Deep Dive into the Tapestry Tool

STLHE SAPES THE UNIVERSITY OF BRITISH COLUMBIA Microsoft

Pre-Conference Workshop Schedule

13:00-13:10	Welcome, Land Acknowledgments, Introductions
13:10-13:35	Introduction to Tapestry Tool
13:35-13:50	Think and Share Activity Session
13:50-14:00	Tapestry Tool Use Cases
14:00-14:10	Walkthrough Setup and Play Time
14:10-14:25	Break
14:25-15:30	H5P & Tapestry Tool Walkthrough
15:30-15:35	Demo of Learner Contribution Features
15:35-15:45	Intro to Tapestry Tool 3.0
15:45-16:00	Q&A, Wrap-up, and Debrief



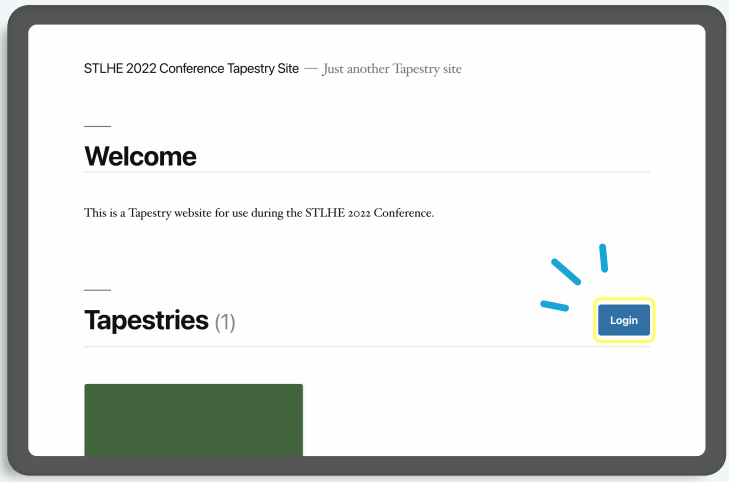
WHAT IS TAPESTRY TOOL?

Tapestry Tool Beta is an open-source online learning platform that allows users, authors, viewers, students, and instructors to collaborate in the development of interactive, associative, and multi-modal content. Concepts are presented as nodes, which connect to form a tapestry, allowing users to integrate concepts, presented within one space.

WHAT YOU WILL LEARN FROM THIS WORKSHOP:

- Explain the key features of Tapestry Tool.
- Give examples of how Tapestry Tool could be used in your context.
- Give examples of how Tapestry Tool can be used in different contexts than your own.
- Plan out a tapestry (e.g., using paper, document, or other).
- Create different types of H5P widgets (e.g., interactive videos, columns, etc.).
- Develop a tapestry, collaboratively or on your own.

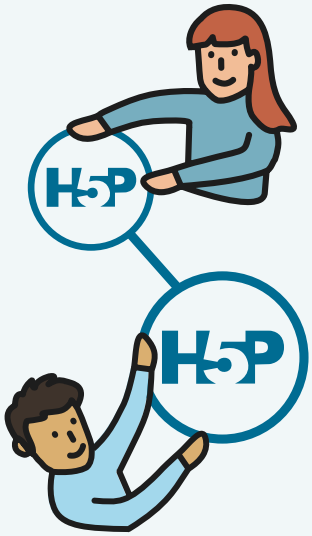
LOGGING IN TO TAPESTRY TOOL



To log in to the STLHE Conference Tapestry site:

1. Navigate to its home page at https://sites.tapestry-tool.com/stlhe2022/.
2. Click the “login” button on the right, and enter your login details.
3. Once logged in, you will be redirected to the home page, where you can create your own tapestry and see others’ tapestries as well.

H5P INTERACTIVE WIDGETS

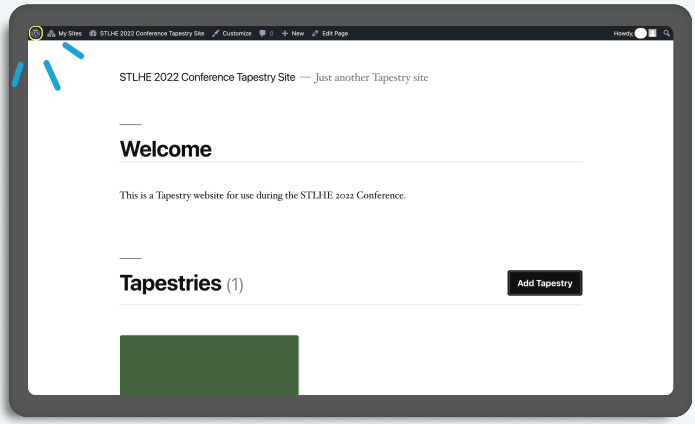


H5P is a WordPress plugin that allows you to create interactive HTML5 content and embed them into your site. H5P allows for the creation of a variety of content types ranging from interactive videos to quizzes to 360 virtual tours. These H5P widgets can be easily made and added to your tapestries to increase interactivity within your Tapestry, and allow your viewers to engage more with your content.

To learn more about the H5P content types, see Examples and Downloads | H5P.

CREATING H5P CONTENT

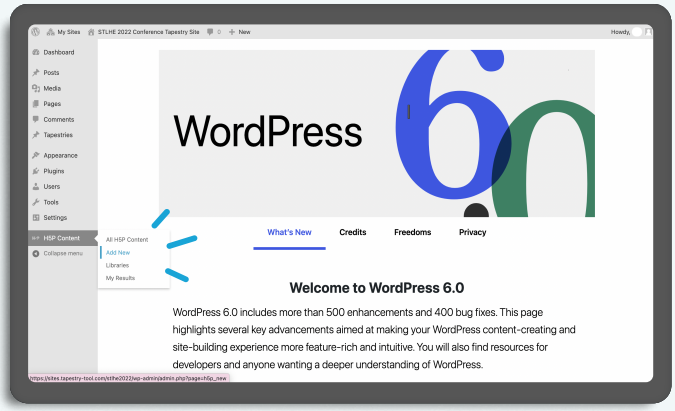


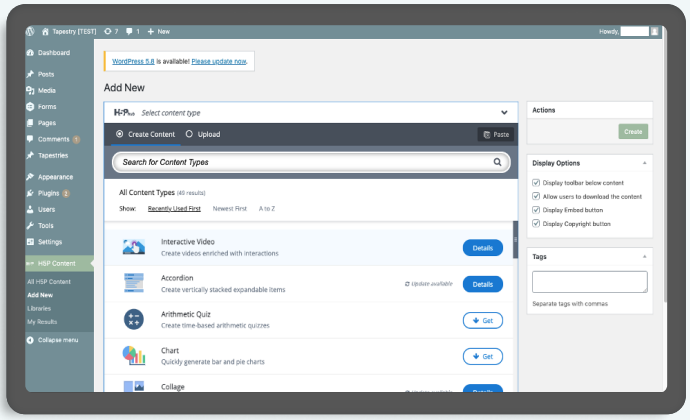


1 You will need to be logged in to make H5P content. Navigate to the WordPress homepage by pressing the “W” icon in the top left corner of your page.

2 Hover over the “H5P Content” tab on the left-hand sidebar, near the bottom.

3 Press on the “Add new” button below “All H5P Content”.





4 Choose your content type from the list.
(To learn more, see Examples and Downloads | H5P)

5 Fill in the relevant information for your H5P post and press “Create” on the right-hand sidebar.

6 There are tons of H5P interactive widgets available. On the next page, you’ll see steps on how to make a few of these content types.



HOW TO CREATE AN INTERACTIVE VIDEO

Creating an H5P Interactive Video allows you to add interactivity to your videos, such as quiz questions, external links, and extra resources.

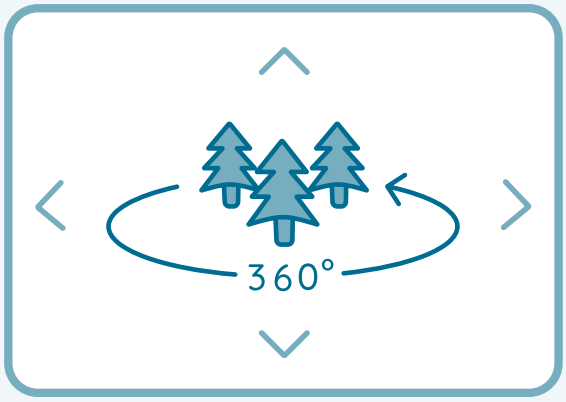
1. Choose the “Interactive Video” content type from the drop-down.
2. Add your content title under “Title.”
3. Press on the plus button under the “Add a video” section.
4. (Optional) Add a short description by pressing the “interactive video” dropdown.
5. (Optional) Add subtitles to your video by pressing the “text tracks” drop-down, pressing on the “subtitles” drop-down, and then pressing “Add” under “Track source (WebVTT file).”
6. (Optional) Change your video settings by pressing on the “Behavioural Settings” drop-down.
7. (Optional) Add interactions (e.g., pop-ups, etc.) by pressing on the “Add Interactions” tab near the top of the page.
8. When you’re done, click “Create” in the top right-hand corner.



HOW TO CREATE A COLUMN

An H5P Column allows you to present multiple pieces of H5P content within one panel.

1. Choose the “Column” content type from the H5P drop-down.
2. Add your content title under “Title.”
3. Select your first content type from the “content” dropdown. Fill in the details for your first piece of content.
4. To move on to the next piece of content in your column, click “ADD CONTENT” at the bottom of the page.
5. Repeat this process until you’ve added all your content pieces to the column.
6. When you’re done, click “Create” in the top right-hand corner.



HOW TO CREATE A VIRTUAL TOUR (360)

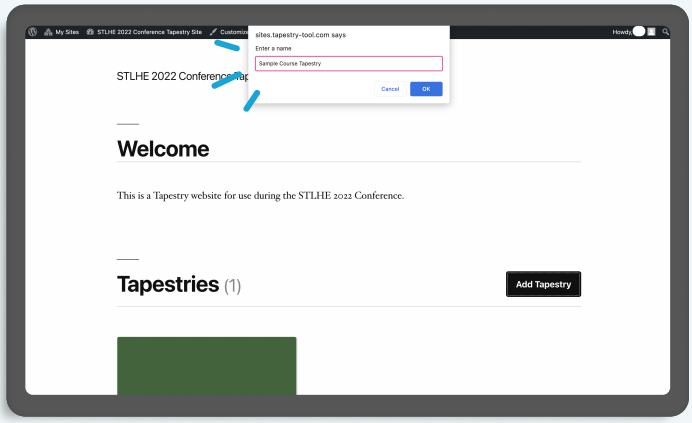
A Virtual Tour (360) allows you to add interactions to a 360˚ or static image, which can allow users to navigate to other scenes and environments.

1. Choose the “Virtual Tour (360)” content type from the drop-down.
2. Add your content title under “Title.”
3. Press the “New Scene” button under the image panel.
4. Choose whether your image is a “static image” or a “360 image”.
5. Add your “scene title”.
6. Upload your image under “scene background”.
7. (Optional) Add a “Scene description”.
8. (Optional) Add an “Audio Track” to your scene.
9. Once you have your first scene, you can add interactions to it. Use the “go to scene” button to create links between scenes, and give the impression of moving between environments.
10. Once you’ve clicked the “go to scene” button, click the “new scene” button to create the new scene to go to.
11. Repeat this process as many times as needed to create your interactive environment.
12. When you’re done, click “Create” in the top right-hand corner.

HOW TO CREATE A TAPESTRY

1 Navigate to your homepage by pressing the “STLHE 2022 Conference Tapestry Site” button on the top bar, on the left side.



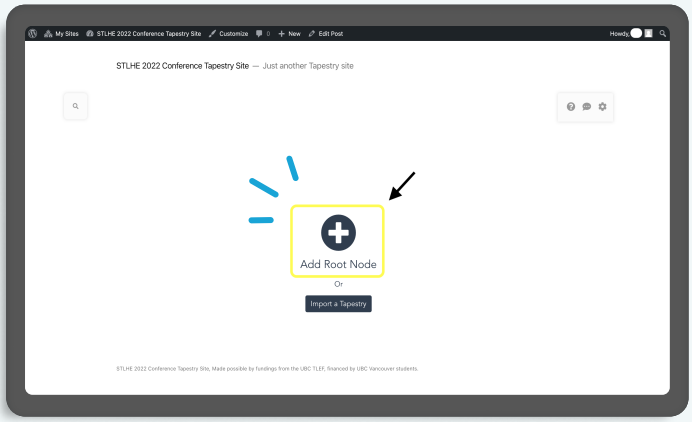


2 Once on the home page, click on the “Add Tapestry” button, then enter a name for your first tapestry.

3 Click “ok”. You have now made a Tapestry!

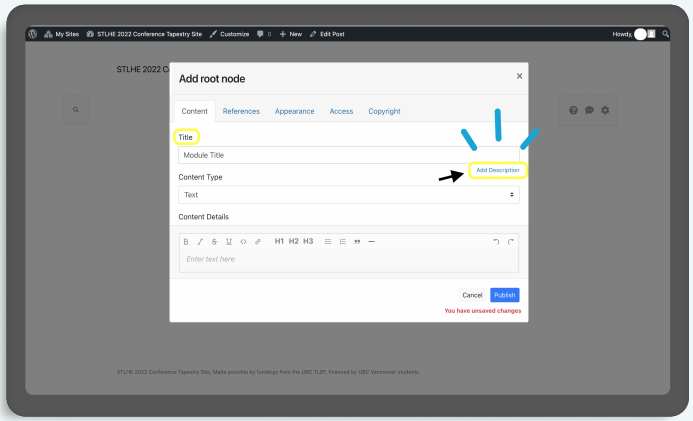
HOW TO ADD YOUR FIRST NODE

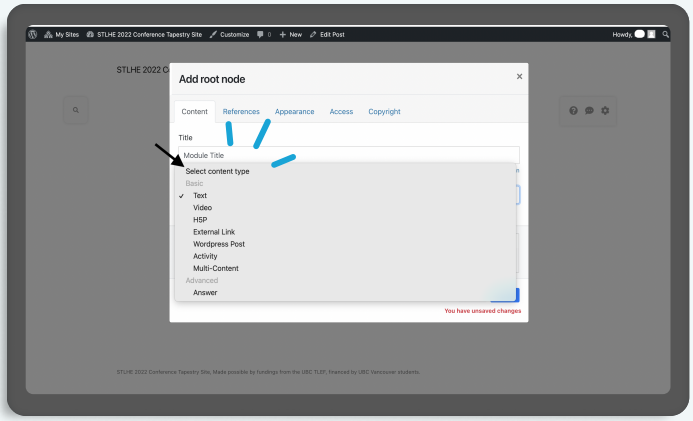
1 Press on “Add root node”. This will be the first node of your tapestry.



2 Add a title to your node by filling the “Title” box.

3 (Optional) Add a description for your node by pressing the “add description button” under the title.

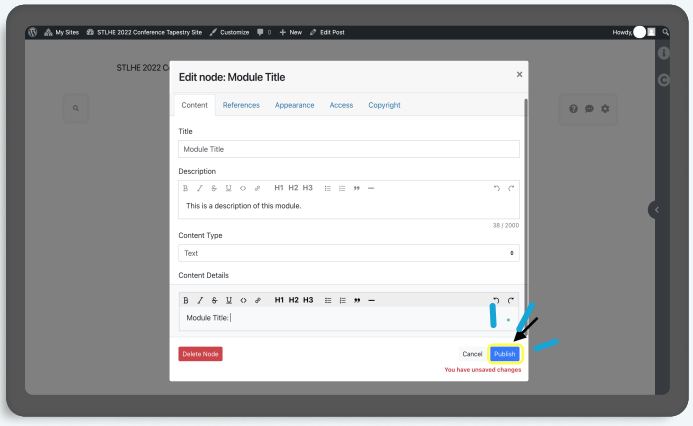




4 Choose your content type from the “Content Type” dropdown.

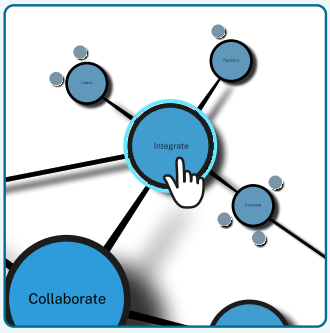
5 Add your content by filling in the media submission box. For example, when adding a text node, simply type in the text that you would like to appear in your node.

6 Press “Publish.”

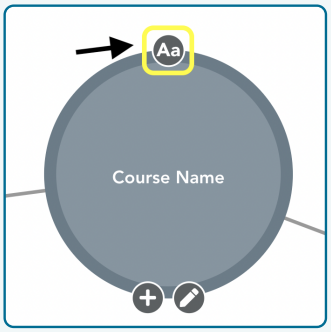


NAVIGATING THROUGH NODES

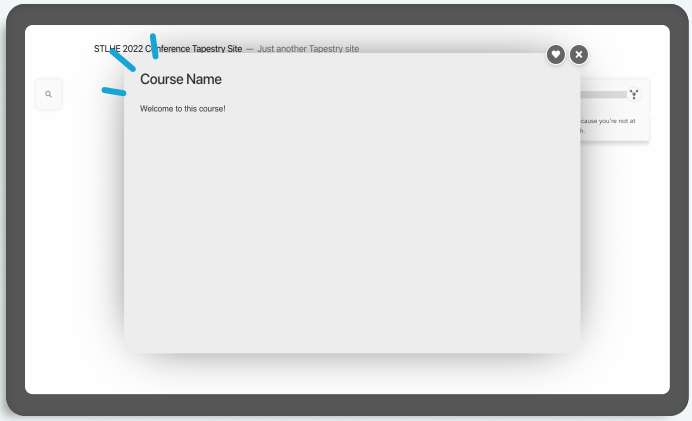
To navigate a tapestry, you will simply need to press on any node you would like to navigate to, which will enlarge that node. The increase in size of the node indicates which node is selected. To view your piece of content, once the node is selected, press on its media icon.



HOW TO VIEW CONTENT

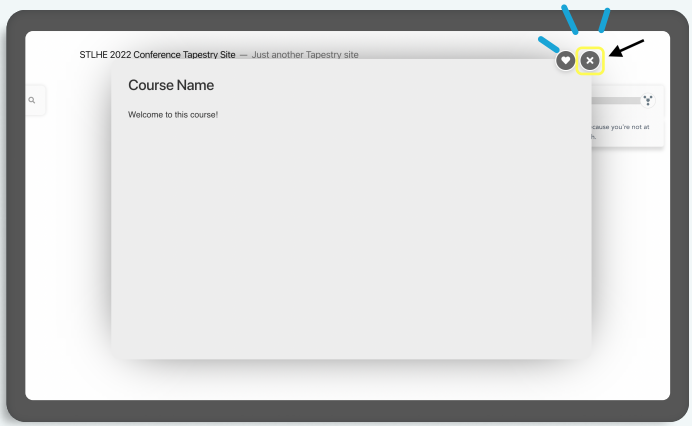


1 To view content in a tapestry, first select the node you wish to view by clicking on it. Once the node is selected, click on the media icon at the top of the node.



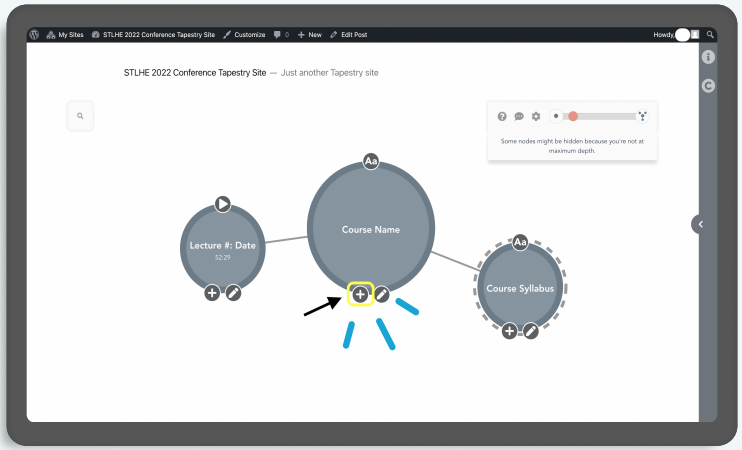
2 If the node does not have a media button at the top, simply click on the node to select it (it will become larger than the others), then click on it again to open it.

3 A panel will appear in front of you where you can interact with and view that node's content.



4 To navigate back to the full tapestry view, simply click outside this panel, or hit the "X" button in the top right corner.

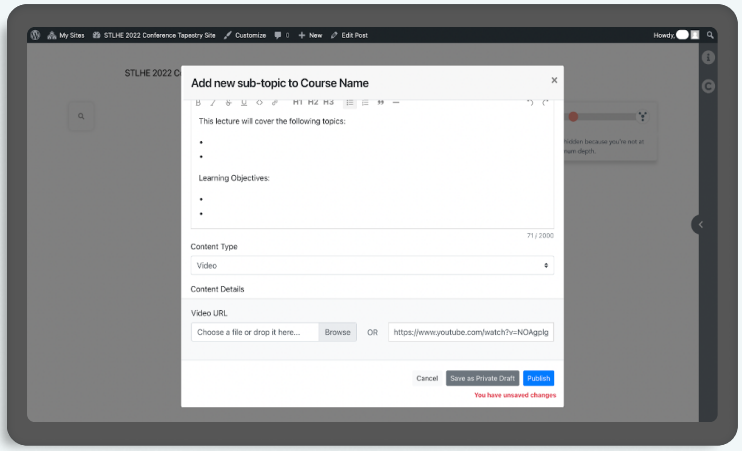
CREATING ADDITIONAL NODES

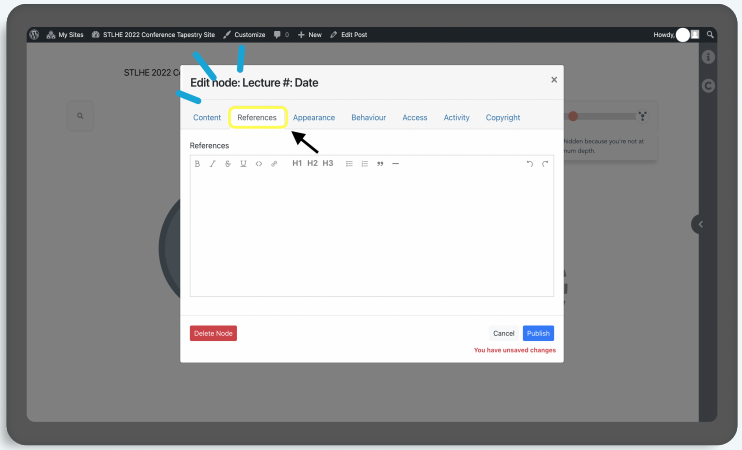


1 Press the plus button beneath a node.

2 Follow the instructions above (under “To add your first node”) on how to fill in the details for your node.

3 For example, if adding a YouTube video, select “Video” from the content type, then paste the YouTube link into the “link” box.





4 If you would like to add references for your node, press on the “References” tab.

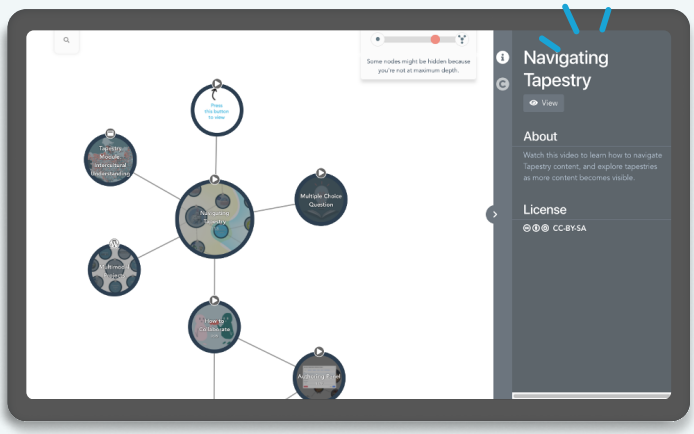
5 In the box provided, include the relevant references for that piece of content.

6 Press “publish” to save your changes.

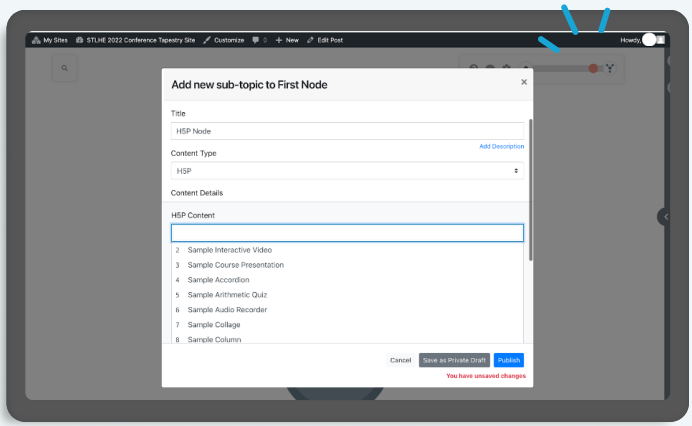
HOW TO OPEN THE NODE SIDEBAR

The node sidebar houses information about any given node within the tapestry. To open the node sidebar:

1. Press on any node in the tapestry.
2. Press on the right-hand arrow button.
3. View information about the node, such as its title, description, and references.



NOW TRY MAKING AN H5P NODE!



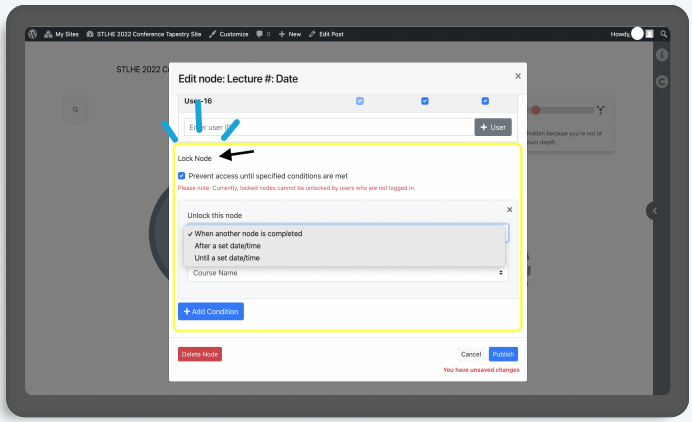
1. Press on the “plus” button below either of your nodes to add another node to your tapestry.
2. Fill in your content details; we will be adding one of the H5P Interactive Widgets that we created earlier.

HOW TO EDIT NODES

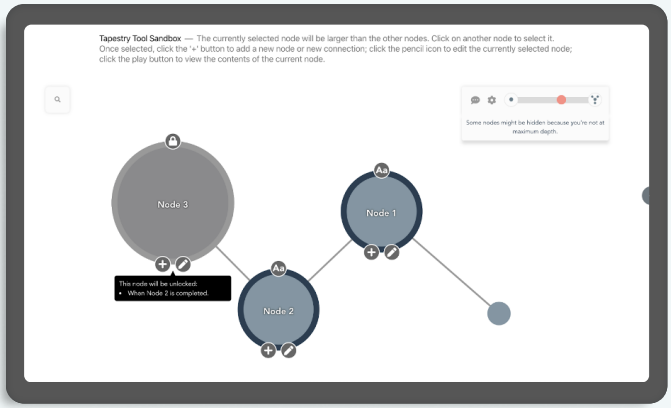
1. To edit a node, press on the “pencil” icon below a given node.
2. After, you will see the authoring panel and will be able to change your node’s information.
3. To submit these changes, press “Publish”.
4. After, you will see the authoring panel and will be able to change your node’s information.

HOW TO CREATE A LOCKED NODE

If you would like certain content to be hidden before a condition is met, you can use locked nodes to prevent access to it.

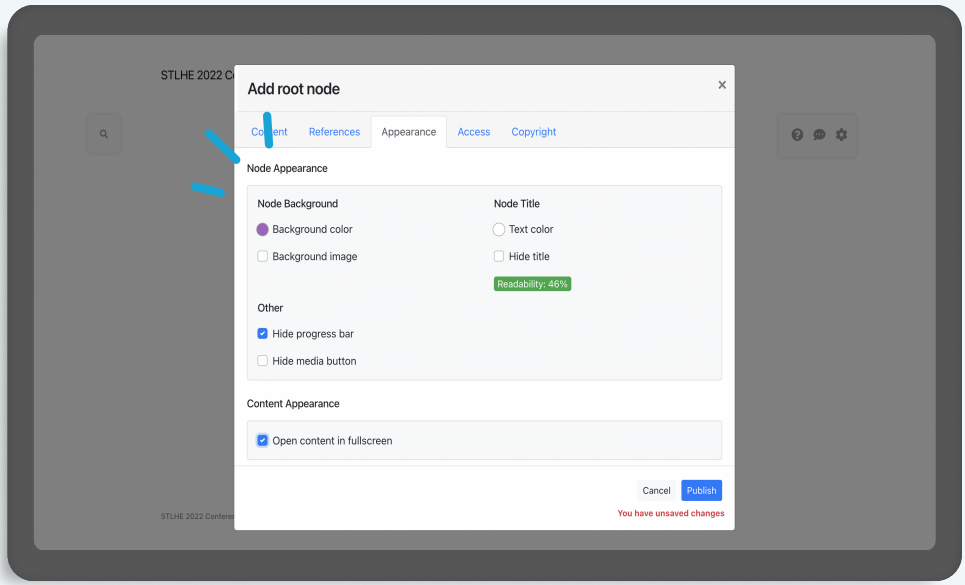


1. Under the “Access” tab for a given node, select the “lock node” box.
2. You will be prompted to add a condition. Select your options from the dropdown menu. Multiple conditions can be added for a given node.
3. Click “Publish” when you’re done. You will see your changes reflected in the node; hover over it to see what condition must be met to unlock it.



CHANGING A NODE'S APPEARANCE

There are many ways in which you can edit your node's appearance. These features can be accessed in the "Appearance" tab of the authoring panel.



1. Click on "background color" to either select one of the provided colours, or choose any colour from the colour picker panel.

2. Select "background image" to upload an image thumbnail. If you are uploading an "external link" content type, then you may be automatically prompted to choose whether you would like to use the thumbnail from that site.

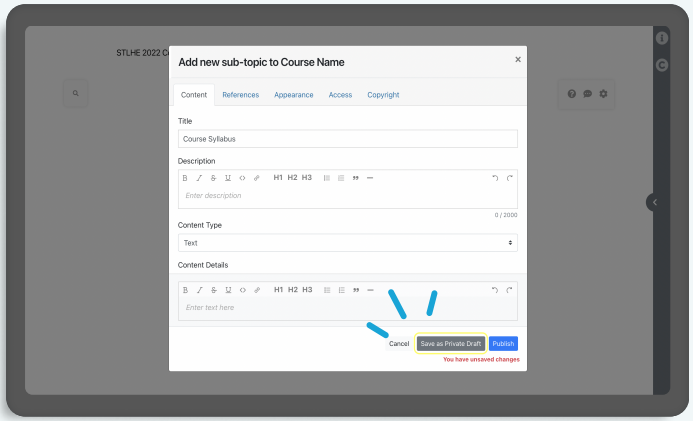
3. Click on "text color" to change the colour of your text. Notice the "readability" score will change based on the colours you use for the background and text.

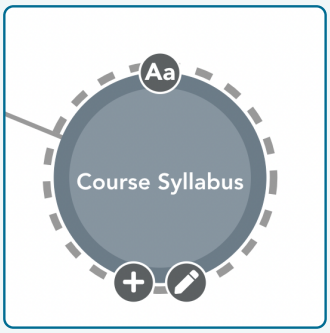
4. You can also hide the node title by selecting "hide node title," hide the progress bar by pressing "hide progress bar," and hide the media button by selecting "hide the media button."

5. You can allow your content to open in full screen by pressing "open content in fullscreen."

HOW TO DRAFT A NODE

A “draft” node can be used to save your contributions to a tapestry until you are ready to share them. Draft nodes are not visible to others until you publish them.



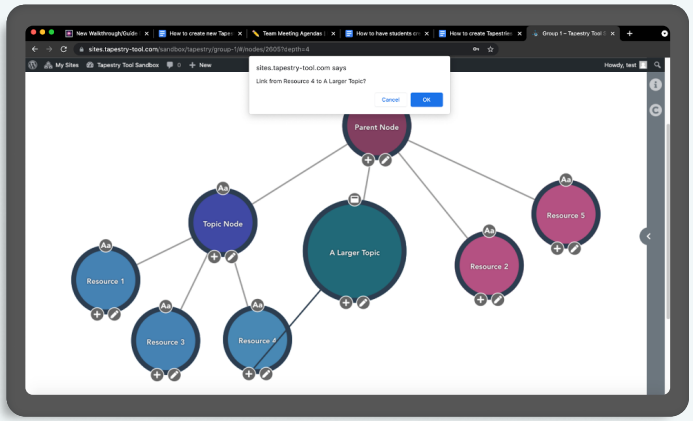


1. Follow the instructions above on how to add a new node.
2. When you are done, click “Save as private draft”.
3. Your drafted node will be identifiable through its dotted border.

HOW TO ADD CONNECTIONS BETWEEN NODES

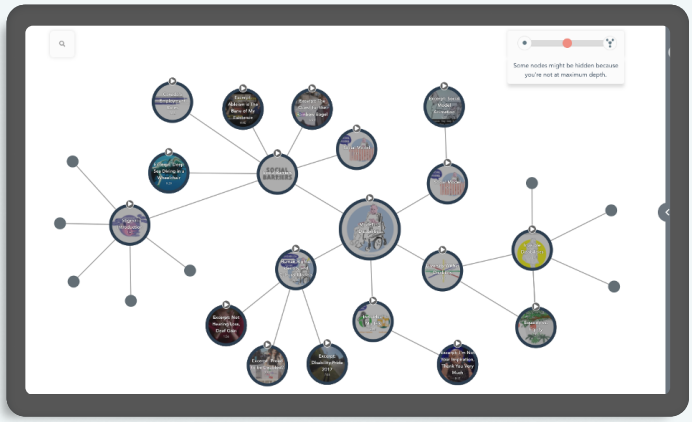
You can depict the relationship between two pieces of content by creating a connection between them on a tapestry. Two concepts may be directly or indirectly related, and a line between them can demonstrate these connections.

1. Click and drag from the plus button of one node to the node you would like to connect it to.
2. Click OK on the pop-up asking whether you would like to connect these nodes.
3. To delete a connection, hover over it until it turns red.
4. Click OK on the pop-up asking whether you would like to delete this connection.



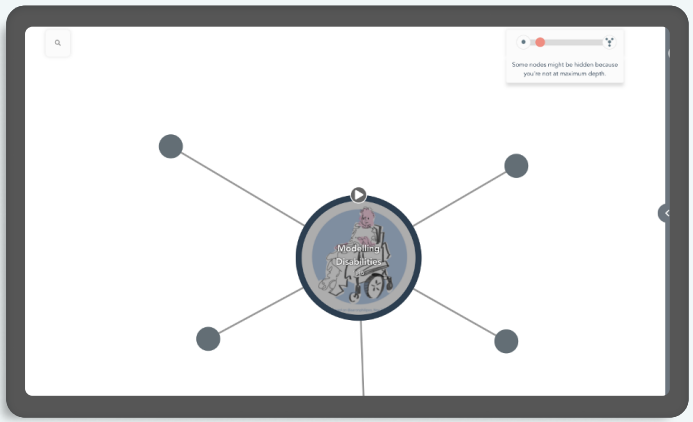
HOW TO CHANGE THE DEPTH OF YOUR TAPESTRY

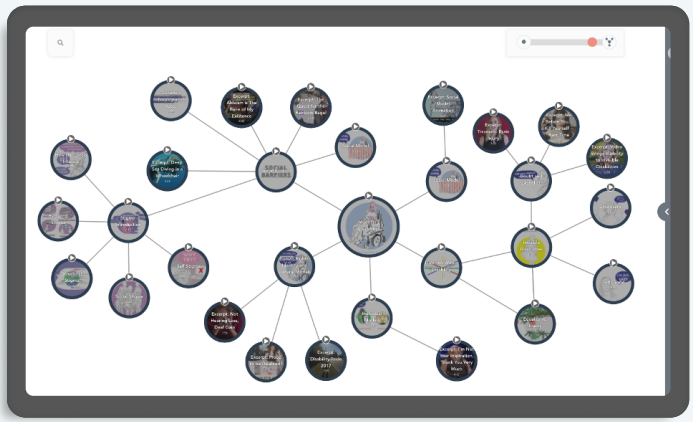
You can also use the depth slider on the top-right corner of the page to change the number of nodes visible, or the “depth” of your tapestry.



By moving the depth slider to the left, you will decrease the number of nodes visible.

By moving the depth slider to the right, you will increase the number of nodes visible.



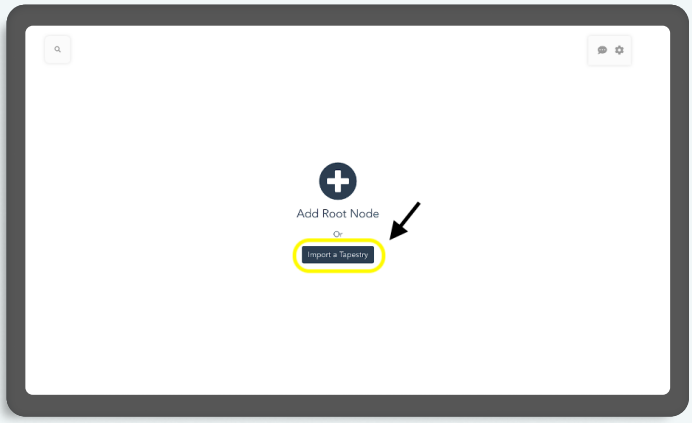


HOW TO EXPORT AND DUPLICATE A PRE-EXISTING TAPESTRY

You may want to reuse the structure or content from one tapestry in another context. Duplicating a tapestry will make a copy of it on the same site, while exporting will allow you to import the tapestry to a different site.

Duplicatin can be useful if, say, you would like you students to build out content from a common starting point, but would like to see each groups' contributions separately. Exporting and importing can be used if you would like to reuse Tapestry content between courses.

1. Press on the gear icon on the top-left corner of your Tapestry.
2. Navigate to the "Advanced" tab.
3. Press on the "Duplicate Tapestry" button to create a duplicate of your tapestry on your site.
4. Press on the "Export Tapestry" button to download a .json file of your tapestry.

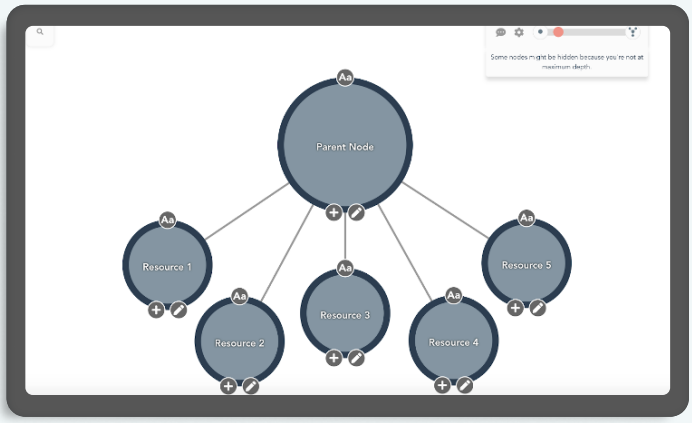


5. Once exported, you can import the tapestry on a new site by adding a new tapestry, and upon beginning to add content, click on "import a tapestry".

APPENDIX

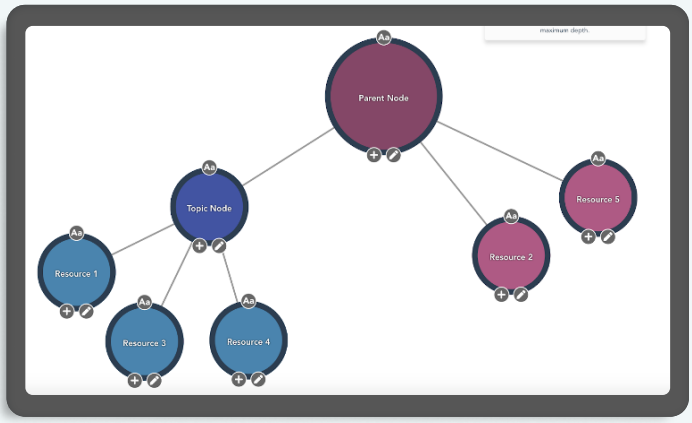
Tips on how to make tapestries:

Consider the purpose of your tapestry when choosing its layout design. Is it to display connections between disparate topics? To show categories of information? To provide a simpler way to navigate a collection of content? Depending on your purpose, certain designs (e.g., webs, trees, timelines) can achieve these better than others.



Images or even simple colour block thumbnails can add aesthetic appeal to your tapestry, and even help to categorize content.

Consider using placeholder “topic nodes” to organize your content. For instance, if many resources fall under one category (and thus are all branching from a single node), consider whether another subtopic can emerge. If yes, create a node for this subtopic and connect it to the original parent node, then have those pieces of content branch underneath it.

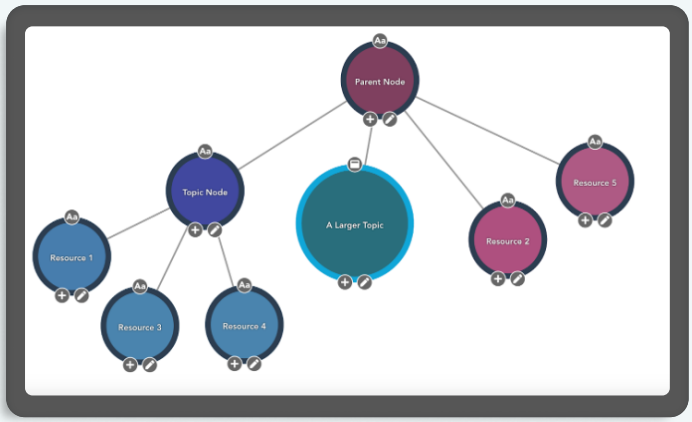


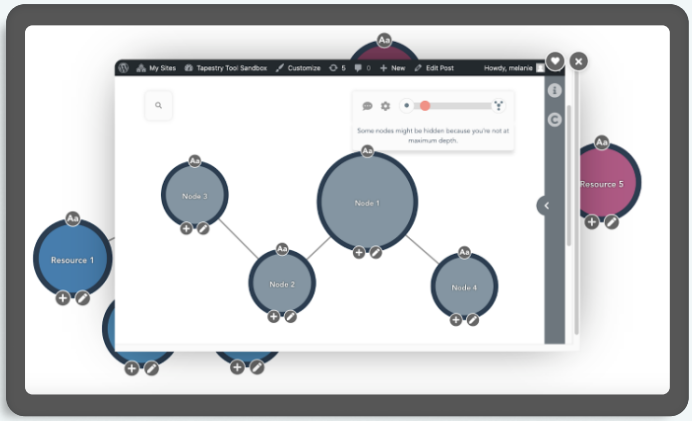
APPENDIX

More tips on how to make tapestries:

Use short node titles, as they will be more legible.

While it can be useful to see lots of content together in one space, sometimes having too much content can be overwhelming to the viewer. If you would like to display many connections within a tapestry, consider embedding a tapestry into a tapestry.





To do so, create a separate tapestry with the additional content you would like to display. Then, add the new tapestry to a node in the original tapestry, by using the "External Link" content type and the "Embed in Tapestry" option.

Consider locking nodes to hide their content until certain conditions are met. Nodes can unlock on a specific date and time, or once a specific piece of content has been watched. This can be useful if you want your content to be released for view week by week, or if it is crucial that certain material be learned before moving along in the tapestry. Note: nodes can only be unlocked by authenticated (i.e., logged in) users.