H5P Training Series:
22—Image Juxtaposition

In this tutorial, you will learn how to create an H5P Image Juxtaposition activity. Before beginning this tutorial, please download the zipped file that accompanies it. You will need to use additional image files to complete this tutorial.

Note: Before uploading images to your H5P activity, save them as JPG or PNG files at 72 dpi using RGB color, and then size them appropriately for viewing on a computer monitor. When choosing two images to use in this interaction, select two images that are the same dimensions.

Note: The Image Juxtaposition interaction currently installed has a slight incompatibility issue that requires the creator to embed the activity in a web page to control the way images display. This is especially important when using vertical (portrait) images. Using horizontal (landscape) images creates less of a problem, since the activity adjusts automatically to the width of the screen. However, you can use the steps outlined in this tutorial to adjust the size for both vertical and horizontal images. Embedding the activity in a web page offer some advantages in that you can add descriptive text.

IMPORTANT: Be sure to abide by copyright laws when developing learning activities based on content you do not own. See the link under the Additional Resources section for information.

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1. Overview of the Image Juxtaposition Content Type

The H5P Image Juxtaposition content type allows users to compare two images interactively by using a slider.

Note: See tutorial **0—General H5P Settings** for instructions on how to set up H5P activities for grades and other information.

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IMPORTANT: Before creating any H5P element, turn on editing for your course site. Under the section or topic where the H5P element will appear, click the **Add an activity** dropdown menu and choose **Interactive Content** from the list. Save your work periodically, and try out the features as you create them to help you understand how they function.

2. Adding an Image Juxtaposition Activity

These steps explain the steps for adding an Image Juxtaposition activity for a vertical image:

Step	Action	Notes
1.	In the **Name** field, type in a name for the H5P interaction.	For training purposes, type: Image Juxtaposition.
2.	In the **Editor** section, select **Image Juxtaposition** from dropdown menu.	When selecting this H5P activity for the first time, click the **Use** button.
3.	Click the **Use** button.	The Image Juxtaposition editor should appear.
4.	Enter a title or instructions for the Image Juxtaposition in the **Title** field, if desired.	This step is optional. For training, type: Drag the slider to compare the two mascots.
5.	Click **+ Add** under **First Image** to upload your first photo.	For training purposes, navigate to where you saved the files for this tutorial and **Open** UW-mascot.jpg
6.	Click **Edit image** to edit the photo, if necessary.	For training, skip this step.
7.	Click **Edit copyright** to add copyright information, if necessary.	For training purposes, in the **Author** field, type: University of Wyoming. In the **License** field, choose **Copyright** from the dropdown menu.
8.	If desired, add a label in the **Label for first image** field.	For training purposes, type: UW Mascot.
9.	Click **+ Add** under **Second Image** to upload your second photo.	For training purposes, navigate to where you saved the files for this tutorial and **Open** OSU-mascot.jpg
10.	Click **Edit image** to edit the photo, if necessary.	For training purposes, skip this step.
11.	Click **Edit copyright** to add copyright information, if necessary.	For training purposes, in the **Author** field, type: Oklahoma State University. In the **License** field, choose **Copyright** from the dropdown menu.
12.	If desired, add a label in the **Label for second image** field.	For training purposes, type: OSU Mascot.

Step	Action	Notes
13.	Click **Save and display** at the bottom of the screen when finished editing.	This step applies when using H5P content on a Moodle server, such as ctYOU.org. Saving may be different in other applications.
14.	The interaction should appear.	
15.	At the bottom of the screen below the image, click the **<> Embed** link.	An Embed popup should appear.
16.	In the **Size** boxes, type in the dimensions you want the activity to display.	For this exercise, enter **360 × 800** px. This step may require some trial and error, especially when using vertical images. The window should be wide enough to accommodate the width of one of the images. The height of the window should be large enough for the image and the image title (if a title is used).
17.	Copy the entire iframe code. To do so on a PC, click to highlight it and click **Ctrl+C.**	
18.	Close the Embed window and return to the main course page.	

3. Embedding an Image Juxtaposition Activity in a Web Page

The Image Juxtaposition interaction will likely display in an unusable size. Return to the main course page, and follow these steps to embed the interaction in a Moodle page, resize it, and add a caption.

Step	Action	Notes
1.	On the main course page under the appropriate topic section, click the **Add a resource** dropdown menu and choose **Page**.	The Page editor should appear.
2.	In the Name field, type **Image Juxtaposition Page**.	
3.	In the **Description** field, type in an introduction to the activity, if desired.	For training purposes, leave this field blank.
4.	In the **Page content** section, click the **Toolbar Toggle** button (upper left corner) to expose the **Edit HTML source** button (which appears as **<>**).	
5.	Click the **Edit HTML source** button.	The HTML source editor should appear.

Step	Action	Notes
6.	Paste the iframe code into the HTML source editor by clicking **Ctrl+V**.	The iframe code should appear in the HTML source editor.
7.	Remove the extraneous code. From within the iframe code, delete: allowfullscreen="allowfullscreen" Also remove the script source by deleting everything starting with "<scriptsrc=" and ending with "</script>." To add a border around the activity, change the frame border to something other than "0," such as 1, 2, 3, or 4.	For example, edit the original code… <iframe src="https://test50.ethinkeducation.com/oktech_test/ mod/hvp/embed.php?id=256953" width="360" height="800" frameborder="0" allowfullscreen="allowfullscreen"></iframe> <scriptsrc="https://test50.ethinkeducation.com/oktech_test/mod/ hvp/library/js/h5p-resizer.js" charset="UTF-8"></script> …so that it resembles the following: <iframe width="360" height="800" src="https://test50.ethinkeducation.com/oktech_test/mod/hvp/ embed.php?id=256953" frameborder="0"></iframe>
8.	Click the **Update** button in the lower left corner of the HTML source editor.	The Image Juxtaposition activity should appear in the **Page content** editing window.
9.	Click your cursor in the **Page content** editing window and type in a caption for your image.	For training purposes, type: Oklahoma State University adopted 'Pistol Pete' Frank Eaton as their mascot in the late 1920s, and they adopted a caricature of his likeness around the time of his death in 1958. However, the University of Wyoming was the first to officially license this drawing. In 1984, OSU received permission to license a revised version of their original mascot.
10.	Click the **Save and display** button at the bottom of the screen.	The Image Juxtaposition and caption should display on the page.

IMPORTANT: Be sure to test all of the multimedia elements you created for this tutorial. Once completed, you can use this H5P feature as a standalone, embed its iframe code in a webpage, or you can download it for use in another course.

3. Additional Resources

To learn more about this topic, visit:

- https://h5p.org/image-juxtaposition
- https://www.youtube.com/watch?v=LWD34mauzCg
- http://www.loc.gov/teachers/usingprimarysources/copyright.html

The Oklahoma Department of CareerTech offers many other free H5P tutorials, as well as an extensive series on how to use various Moodle plugins. Look for them on ctYOU.org.