H5P Training Series:

23—Chart

In this tutorial, you will learn how to create an H5P Chart.

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 Chart Content Type

The H5P Chart content type allows you to display data as both pie charts and bar charts.

IMPORTANT: Before creating any H5P element, turn on editing for your course site. Under the section or topic where the H5P element is to 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.

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

2. Adding a Pie Chart

The following steps walk you through the process of adding a pie chart:

Step	Action	Notes
1.	In the **Name** field, type in a name for the H5P interaction.	For training purposes, type: Pie Chart.

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Step	Action	Notes
2.	In the **Editor** section, select **Chart** from the list of content types. When selecting this H5P activity for the first time, click the **Use** button.	The Chart editor should appear.
3.	Use the **Type of chart** dropdown menu to select the kind of chart you need to make.	For training, select **Pie Chart**.
4.	Use the **Data element** fields to add each piece of data for your pie chart. Enter a name for the first piece of data in the **Name** field.	For training, type, "Yes" in the **Name** field.
5.	Enter a value for the first piece of data in the **Value** field.	For training, type: 72.
6.	Use the **Color** (background color) and **Font Color** fields to set the colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #000000 (black) and the **Font Color** to #ffffff (white).
7.	Enter a name for the second piece of data in the **Name** field.	For training, type: No.
8.	Enter a value for the second piece of data in the **Value** field.	For training, type: 23.
9.	Use the **Color** and **Font Color** fields to set the background and font colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #3333cc (blue violet) and the **Font Color** to #ffffff (white).
10.	Click on the blue **ADD OPTION** button.	
11.	Enter a name for the third piece of data in the **Name** field.	For training, type: Undecided.
12.	Enter a value for the third piece of data in the **Value** field.	For training, type: 35.
13.	Use the **Color** and **Font Color** fields to set the background font colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #660000 (maroon) and the **Font Color** to #ffffff (white).
14.	Click **Save and display** at the bottom of the screen when finished editing. Return to the main course page.	This step applies when using H5P content in a Moodle server, such as ctYOU.org. Saving may be different in other applications.

3. Adding a Bar Chart

The following instructions walk you through the process of adding a bar graph. On the main course page 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.

Step	Action	Notes
1.	In the **Name** field, type in a name for the H5P interaction.	For training purposes, type: Bar Chart.
2.	In the **Editor** section, select **Chart** from the list of content types.	The Chart editor should appear.
3.	Click to use the Chart content type.	
4.	Use the **Type of chart** dropdown menu to select the kind of chart you need to make.	For training purposes, select Bar Chart.
5.	Use the **Data element** fields to add each piece of data for your bar chart.	
6.	Enter a name for the first piece of data in the **Name** field.	For training purposes, type: Yes.
7.	Enter a value for the first piece of data in the **Value** field.	For training purposes, type: 72.
8.	Use the **Color** (background color) and **Font Color** fields to set the background and font colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #000000 (black) and the **Font Color** to #ffffff (white).
9.	Enter a name for the second piece of data in the **Name** field.	For training, type: No.
10.	Enter a value for the second piece of data in the **Value** field.	For training, type: 23.
11.	Use the **Color** and **Font Color** fields to set the background and font colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #3333cc (blue violet) and the **Font Color** to #ffffff (white).
12.	Click on the blue **ADD OPTION** button.	
13.	Enter a name for the third piece of data in the **Name** field.	For training, type: Undecided.
14.	Enter a value for the third piece of data in the **Value** field.	For training, type: 35.

Step	Action	Notes
15.	Use the **Color** and **Font Color** fields to set the background and font colors for this piece of data.	To ensure legibility, choose a font color that contrasts with the background color. For training, set the **Color** to #660000 (maroon) and the **Font Color** to #ffffff (white).
16.	Click **Save and display** at the bottom of the screen when finished editing.	This step applies when using H5P content in Moodle server, such as ctYOU.org. Saving may be different in other applications.

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 other courses.

4. Additional Resources

To learn more about this topic, visit:

- https://h5p.org/chart
- https://h5p.org/documentation/content-author-guide/tutorials-for-authors/chart
- 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.