*H5P Training Series:*
# 25—Image Hotspots

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

**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.

**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.

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## 1. Overview of the Image Hotspots Content Type

The H5P Image Hotspots content type allows you to create an image with interactive hotspots. When the user presses a hotspot, a popup containing a header and text, images, or video displays. It is possible to add as many hotspots as you like.

**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 progress periodically, and try out the features as you create them to help you understand how they work.

**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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# 2. Adding an Image Hotspots Activity

The following steps walk you through the process of adding an Image Hotspots activity:

| Step | Action | Notes |
|------|--------|-------|
| 1. | In the **Name** field, type in a name for the H5P interaction. | For training purposes, type: Image Hotspots. |
| 2. | In the **Editor** section, select **Image Hotspots** from the list of content types. | The Image Hotspots editor should appear. |
| 3. | Click the **Use** button. | |
| 4. | Click **+ Add** under **Background image** to upload your photo. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Oklahoma-Tourism-Countries.png |
| 5. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 6. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 7. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: Map of Oklahoma Tourism Countries. |
| 8. | Use the **Hotspot color** dropdown menu to choose the color of the hotspots. | For training, set this to #999999 (gray). |
| 9. | Use the fields in the first **Hotspot** block to add your first hotspot. | |
| 10. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Chickasaw Country (blue region). |
| 11. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field **unchecked**. |
| 12. | Enter a header in the **Header** field. This step is optional. | For training, type: Chickasaw Country. |
| 13. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Text. |

| Step | Action | Notes |
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| 14. | Enter your text in the **Text** field. | For training, type: |
| | | Visitors to Chickasaw Country can experience four distinct ecoregions, ranging from the central great plains in the north to forests and cypress swamps in the southeast. Roughly in its center lies Oklahoma's ancient Arbuckle Mountains—among the oldest mountains in America. |
| 15. | Click the gray **Add item** button to add another **Content Item** block. | |
| 16. | Use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 17. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Arbuckle-Mountains.jpg |
| 18. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 19. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 20. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: View of the Arbuckle Mountains. |
| 21. | Use the **Hover text** field, if desired. This step is optional. | This text displays when the user hovers their cursor over the image. For training, type: Arbuckle Mountains. |
| 22. | When creating an H5P activity with multiple interactive elements, save your work frequently. To save your work, click the **Save and display** button at the bottom of the screen. | To return to the editor for this H5P interaction, click the **gear** icon. |
| 23. | Click on the blue **ADD HOTSPOT** button to add a second hotspot. | |
| 24. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Frontier Country (magenta area). |

| Step | Action | Notes |
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| 25. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field unchecked. |
| 26. | Enter a header in the **Header** field. This step is optional. | For training, type: Frontier Country. |
| 27. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 28. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Myriad-Botanical-Gardens.jpg |
| 29. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 30. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 31. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: Myriad Gardens and Crystal Bridge. |
| 32. | Use the **Hover text** field, if desired. This step is optional. | This text displays when the user hovers their cursor over the image. For training, type: Myriad Gardens and Crystal Bridge. |
| 33. | Click the gray **Add item** button to add another **Content Item** block. | |
| 34. | Use the dropdown menu to select the appropriate type of content. | For training, select Text. |
| 35. | Enter your text in the **Text** field. | For training, type: Although it is home to the State Capital and the crossroads of major interstate highways, Frontier Country also contains prime nature destinations. The Myriad Botanical Gardens is a 17-acre urban park in downtown OKC located at the intersection of Reno and Robinson streets. |
| 36. | Click on the blue **ADD HOTSPOT** button to add a third hotspot. | |

| Step | Action | Notes |
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| 37. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Great Plains Country (yellow area). |
| 38. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field unchecked. |
| 39. | Enter a header in the **Header** field.<br>This step is optional. | For training, type: Great Plains Country. |
| 40. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 41. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Horn-Canna-Farm.jpg |
| 42. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 43. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 44. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: Horn Canna Farm. |
| 45. | Use the **Hover text** field, if desired.<br>This step is optional. | This text displays when the user hovers their cursor over the image.<br>For training, type: Horn Canna Farm. |
| 46. | Click the gray **Add item** button to add another **Content Item** block. | |
| 47. | Use the dropdown menu to select the appropriate type of content. | For training, select Text. |
| 48. | Enter your text in the **Text** field. | For training, type:<br>Many destinations and events in Great Plains Country relate to agricultural products of the region. In Carnegie, the Horn Canna Farm is one of the world's largest exclusive canna growers. Its 130 acres are available for tours. |
| 49. | Click on the blue **ADD HOTSPOT** button to add a fourth hotspot. | |

| Step | Action | Notes |
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| 50. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Green Country (green area). |
| 51. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field unchecked. |
| 52. | Enter a header in the **Header** field.<br><br>This step is optional. | For training, type: Green Country. |
| 53. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Text. |
| 54. | Enter your text in the **Text** field. | For training, type:<br><br>The Tulsa Air and Space Museum and Planetarium includes a number of aircraft and interactive exhibits.<br><br>Aviation in Green Country also means hot air balloons. Tahlequah is the site of the annual Illinois River BalloonFest. |
| 55. | Click the gray **Add item** button to add another **Content Item** block. | |
| 56. | Use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 57. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Hot-Air-Balloons.jpg |
| 58. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 59. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 60. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: Hot air balloons. |
| 61. | Use the **Hover text** field, if desired.<br><br>This step is optional. | This text displays when the user hovers their cursor over the image.<br><br>For training, type: Hot air balloons. |

| Step | Action | Notes |
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| 62. | Click on the blue **ADD HOTSPOT** button to add a fifth hotspot. | |
| 63. | Consider saving your work at this time. | To return to the editor, click the **gear** icon. |
| 64. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Red Carpet Country (red area). |
| 65. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field unchecked. |
| 66. | Enter a header in the **Header** field.<br>This step is optional. | For training, type: Red Carpet Country. |
| 67. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Text. |
| 68. | Enter your text in the **Text** field. | For training, type:<br>In Red Carpet Country, visitors can experience architecture as art. One legacy of Oklahoma's oilfield heritage is the artwork that those oil fortunes bought—and built. In Ponca City, the works of state artists are on view at the Ponca City Art Center, housed in the 1925 mansion of the Soldani family. The building itself is a work of art. |
| 69. | Click the gray **Add item** button to add another **Content Item** block. | |
| 70. | Use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 71. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Soldani-mansion.jpg |
| 72. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 73. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |

| Step | Action | Notes |
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| 74. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: The Soldani Mansion. |
| 75. | Use the **Hover text** field, if desired.<br>This step is optional. | This text displays when the user hovers their cursor over the image.<br>For training, type: The Soldani Mansion. |
| 76. | Click on the blue **ADD HOTSPOT** button to add a sixth hotspot. | |
| 77. | In the **Hotspot position** field, click on the thumbnail image to place the hotspot. | For training, click on the part of the map that indicates Choctaw Country (orange area). |
| 78. | Use the **Cover entire background image** checkbox to indicate if the popup for the hotspot will cover the entire background image. | For training, leave this field unchecked. |
| 79. | Enter a header in the **Header** field.<br>This step is optional. | For training, type: Choctaw Country. |
| 80. | In the first **Content Item** block, use the dropdown menu to select the appropriate type of content. | For training, select Image. |
| 81. | Click on the **+ Add** button to add your image. | For training purposes, navigate to where you saved the files for this tutorial and **Open** Ouachita-National-Forest.jpg |
| 82. | Click **Edit image** to edit the photo, if necessary. | For training, skip this step. |
| 83. | Click **Edit copyright** to add copyright information, if necessary. | For training, skip this step. |
| 84. | Type in a brief but concise description of the image in the **Alternative text** field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training, type: View of the Ouachita National Forest. |
| 85. | Use the **Hover text** field, if desired.<br>This step is optional. | This text displays when the user hovers their cursor over the image.<br>For training, type: Ouachita National Forest. |
| 86. | Click the gray **Add item** button to add another **Content Item** block. | |

| Step | Action | Notes |
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| 87. | Use the dropdown menu to select the appropriate type of content. | For training, select Text. |
| 88. | Enter your text in the **Text** field. | For training, type: |
| | | A natural treasure of Choctaw Country is the Ouachita National Forest, located in LeFlore and McCurtain counties. Established by President Theodore Roosevelt in 1907, it is the oldest and largest national forest in the southern United States. |
| 89. | Click **Save and display** at the bottom of the screen when finished editing. | This step applies when using H5P content in a 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.

# 3. Additional Resources

To learn more about this topic, visit:

- https://h5p.org/image-hotspots
- https://h5p.org/tutorial-image-hotspots
- http://www.loc.gov/teachers/usingprimarysources/copyright.html

**Accessibility Requirements:**

If you have included audio or video in this activity, visit the websites below for general information about accessibility requirements. See the H5P Interactive Video tutorial for a sample storyboard.

- http://www.w3.org/2008/06/video-notes
- http://www.w3.org/WAI/intro/wcag
- https://www.digitalgov.gov/2013/06/26/making-multimedia-section-508-compliant-and-accessible/

*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.*