

iframes explained

Overview of iframes and how to add to Moodle.

(for transparency, original text generated by Copilot, paraphrased by Data Education in Colleges)



Contents

iframes explained.....	1
What is an iframe?	2
Here’s a basic iframe code:	2
html	2
How to Add an iframe to a Virtual Learning Environment (VLE) like Moodle.....	2
Step 1: Access Your Course in Moodle	2
Step 2: Turn on Editing	2
Step 3: Add a New Resource or Activity	2
Step 4: Configure the Page	3
Step 5: Add the iframe Code.....	3
Step 6: Save and Display.....	3
Adjusting the iframe Size	4
Width and Height in Pixels.....	4
Responsive Width	4
No Border	4
Allow Fullscreen	4
Tips for Using iframes in Moodle	5
Check Content Compatibility.....	5
Test on Different Devices	5
Be Aware of Security Risks	5
Consider Accessibility	5
Summary	5



What is an iframe?

An iframe (Inline Frame) is an HTML element that allows you to embed another website or web content within your own webpage. Think of it as a window on your page through which visitors can see and interact with content from another website, without leaving your page.

Here's a basic iframe code:

html

```
<iframe src="https://www.example.com" width="600" height="400"></iframe>
```

- src: This attribute specifies the URL of the webpage you want to embed.
- width and height: These attributes define the size of the iframe in pixels.

How to Add an iframe to a Virtual Learning Environment (VLE) like Moodle

Adding an iframe to a VLE like Moodle is straightforward. Below are the steps to do this in Moodle:

Step 1: Access Your Course in Moodle

- Log in to your Moodle account.
- Navigate to the course where you want to add the iframe.

Step 2: Turn on Editing

- Click the Turn editing on button usually found at the top right of your course page.

Step 3: Add a New Resource or Activity

- Decide where you want the iframe to appear (e.g., within a specific section).
- Click on Add an activity or resource
- Choose Page from the list of resources and click Add.



Step 4: Configure the Page

- Name: Enter a name for the page (e.g., "Embedded Content").
- Description: You can leave this blank or add a brief description if you wish.

Step 5: Add the iframe Code

- Scroll down to the Page content section.
- Ensure you are in the HTML view (you may need to click a small HTML icon in the editor toolbar).
- Paste your iframe code, for example:

html

```
<iframe src="https://www.example.com" width="800" height="600"
frameborder="0" allowfullscreen></iframe>
```

Step 6: Save and Display

- Scroll to the bottom of the page and click Save and display.
- The page will now show the embedded content within the iframe.



Adjusting the iframe Size

To ensure the iframe fits well within your Moodle page, you might need to adjust the size. The size of the iframe is controlled by the `width` and `height` attributes in the iframe tag.

Width and Height in Pixels

If you set `width="800"` and `height="600"`, the iframe will be 800 pixels wide and 600 pixels high.

Responsive Width

To make the iframe responsive (adjust to the screen size), you can set the width as a percentage:

html

```
<iframe src="https://www.example.com" width="100%" height="600"
frameborder="0" allowfullscreen></iframe>
```

This will make the iframe fill the width of its container, adjusting automatically to different screen sizes.

No Border

The `frameborder="0"` attribute removes the default border around the iframe, making it blend seamlessly into your Moodle page.

Allow Fullscreen

Adding `allowfullscreen` allows users to expand the embedded content to full screen if the content supports it.



Tips for Using iframes in Moodle

Check Content Compatibility

Ensure the site or content you're embedding allows embedding in an iframe. Some websites block this for security reasons.

Test on Different Devices

After embedding, check how the iframe displays on various devices (desktop, tablet, mobile) to ensure it's responsive.

Be Aware of Security Risks

Embedding content from unknown or untrusted sources can introduce security risks, so only use trusted URLs.

Consider Accessibility

Make sure that the content within the iframe is accessible to all users, including those using screen readers.

Summary

An iframe is a powerful tool to embed external content directly into your Moodle course. By following these steps, you can easily add and adjust iframes to enhance your course content. Remember to preview the embedded content to ensure it displays correctly and adjust the size settings as necessary to create a seamless experience for your learners.

