# ChatGPT: Specify scroll position of loaded iframe document

Can a page that loads an iframe specify the scroll position of the loaded file.

Yes, a webpage that loads an <iframe> can control the scroll position of the embedded page **if the iframe and the parent page are on the same domain** (due to browser security restrictions). Here are different approaches:

**1. Using JavaScript to Scroll the Iframe Content**

If the iframe's content is accessible (same-origin policy), you can set its scroll position like this:

<iframe id="myIframe" src="iframe-content.html" width="800" height="600"></iframe>

<script>

document.getElementById("myIframe").onload = function () {

let iframe = document.getElementById("myIframe").contentWindow;

iframe.scrollTo(0, 500); // Scroll to 500px down

};

</script>

🔹 **This only works if the iframe is from the same domain** (e.g., example.com embedding example.com/page.html).

**2. Using URL Fragment (#) for Positioning**

If you **control the content inside the iframe**, you can use URL fragments (#) to jump to specific sections:

<iframe src="iframe-content.html#section3" width="800" height="600"></iframe>

Inside iframe-content.html, define:

<div id="section3">Targeted Section</div>

**3. Communicating Scroll Position via postMessage (Cross-Domain)**

If the iframe is from another domain (e.g., embedding wikipedia.org), direct scrollTo **won't work due to security policies**. Instead, use postMessage:

**In the parent page:**

<iframe id="myIframe" src="https://otherdomain.com/page.html" width="800" height="600"></iframe>

<script>

document.getElementById("myIframe").onload = function () {

let iframe = document.getElementById("myIframe").contentWindow;

iframe.postMessage({ scrollY: 500 }, "https://otherdomain.com");

};

</script>

**In the iframe page (https://otherdomain.com/page.html):**

<script>

window.addEventListener("message", function (event) {

if (event.origin !== "https://yourdomain.com") return; // Ensure it's from a trusted source

window.scrollTo(0, event.data.scrollY);

});

</script>

**Which Method Should You Use?**

✔ **Same-origin iframe?** → Use scrollTo(0, Y).  
✔ **You control the iframe page?** → Use #anchors or postMessage.  
✔ **Different domains?** → You must use postMessage (if the other page allows it).

Let me know if you need a working example! 🚀