



Introduction

serious. The most important skills you need to master with CSS are positioning and layout. Changing fonts and colors is a crucial skill, but being able to put things exactly where you want them on a webpage is even more crucial. After all, how many webpages can you find where absolutely every element is just stacked one on top of another? Learning to position elements on a webpage is not that difficult once you understand

Now that you understand the basic syntax of HTML and CSS, we're going to get

just a few key concepts. Unfortunately, many learners race through learning HTML and CSS to get to JavaScript and end up missing these fundamental concepts. This leads to frustration and pain (and funny gifs) because all the JavaScript skills in the world are meaningless if you can't stick your elements on the page where you need them to be. So with that in mind, let's get started.

This section contains a general overview of topics that you will learn in this lesson.

Lesson overview

You'll learn all about the box model.

- You'll learn how to make sure elements are just the right size with margin, padding, and borders.
- The box model

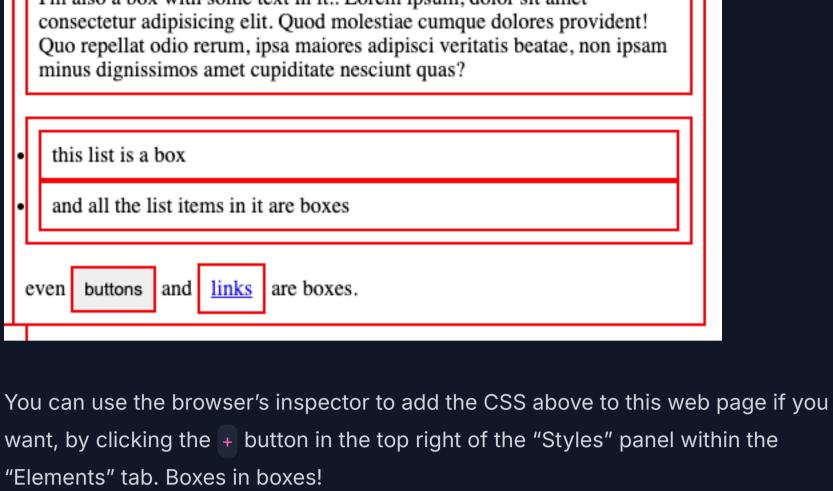
box model. It isn't complicated, but skipping over it now would cause you much

frustration down the line. Every single thing on a webpage is a rectangular box. These boxes can have other boxes in them and can sit alongside one another. You can get a rough idea of how this

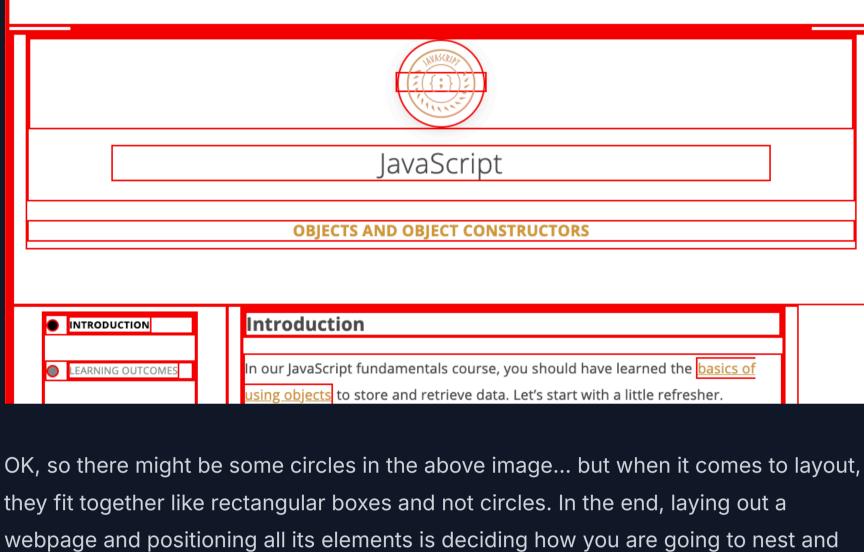
The first important concept that you need to understand to be successful in CSS is the

works by applying an outline to every element on the page like this: * { 1 outline: 2px solid red; 2

```
I'm a box
I'm also a box with some text in it.. Lorem ipsum, dolor sit amet
consectetur adipisicing elit. Quod molestiae cumque dolores provident!
Quo repellat odio rerum, ipsa maiores adipisci veritatis beatae, non ipsam
minus dignissimos amet cupiditate nesciunt quas?
 this list is a box
```



THE ODIN PROJECT All Paths Community About FAQ Sign Up



The only real complication here is that there are many ways to manipulate the size of these boxes, and the space between them, using padding, border, and margin. The assigned articles go into more depth on this concept, but to sum it up briefly: padding increases the space between the border of a box and the content of the

stack these boxes.

box.

adjacent boxes.

the space between this

text and the edge of the

better explanation of 'box-sizing'.

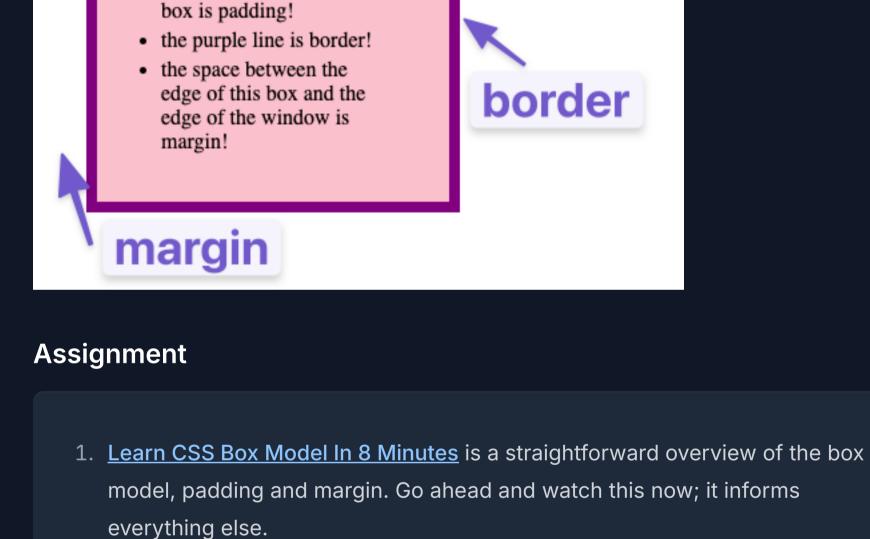
experiment with their in-browser editor!

expected to memorize or master this knowledge.

padding. margin increases the space between the borders of a box and the borders of

border adds space (even if it's only a pixel or two) between the margin and the

- Be sure to study the diagrams carefully.
 - padding This is an example to show off the box model.



3. Because the box model concept is so incredibly fundamental, let's dig a bit deeper with MDN's lesson on the box model. It covers the same material as the video(s) above and will introduce you to inline boxes that we will explore in the next lesson. Pay close attention to the examples and take the time to

2. box-sizing: border-box (EASY!) is an add-on to the above resource with a

4. The CSS Tricks page on margins has some further information about the margin property that you'll find useful. Specifically, the sections about auto and margin collapsing contain things you'll want to know. **Knowledge check**

The following questions are an opportunity to reflect on key topics in this lesson. If you

can't answer a question, click on it to review the material, but keep in mind you are not

What does the box-sizing CSS property do?

What is the difference between the standard and alternative box model? Would you use margin or padding to create more space between 2 elements? Would you use margin or padding to create more space between the contents of an element and its border?

Would you use margin or padding if you wanted two elements to overlap each other?

How do you set the alternative box model for all of your elements?

From inside to outside, what is the order of box-model properties?

Additional resources

This section contains helpful links to related content. It isn't required, so consider it

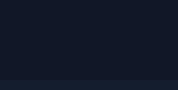
For a more interactive explanation and example, try this Scrim on the box model. This informative video tutorial by <u>Slaying The Dragon</u> offers a valuable resource

for understanding the box model.

How do you center an element horizontally?

Improve on GitHub Report an issue See lesson changelog

Mark Complete



High quality coding education maintained by an open source community.

Support

supplemental.

Support us!

Legal



→ Next Lesson



View Course

Guides

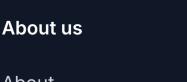
Learn more

The Odin Project is funded by the community. Join us in empowering learners around the globe by supporting The Odin Project!

Donate now \rightarrow



THE ODIN PROJECT





About	FAQ	Community guides	Terms
Team	Contribute	Installation guides	Privacy
Blog	Contact us		
Success Stories			