Community





## **Foundations Course**

## 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. **Lesson overview** 

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

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

#### The first important concept that you need to understand to be successful in CSS is the box model. It isn't complicated, but skipping over it now would cause you much

3

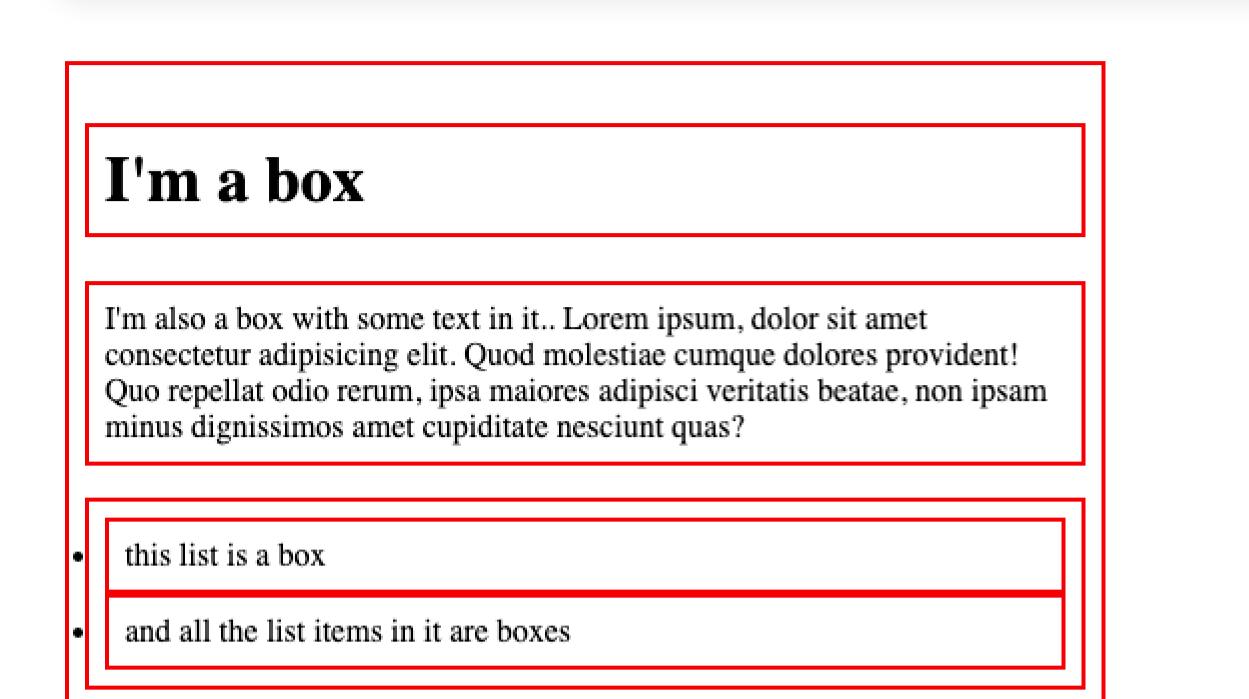
even

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 works by applying an outline to every element on the page like this:

outline: 2px solid red;



buttons and <u>links</u> are boxes.

"Elements" tab. Boxes in boxes!

stack these boxes.

box.

adjacent boxes.

text and the edge of the

better explanation of 'box-sizing'.

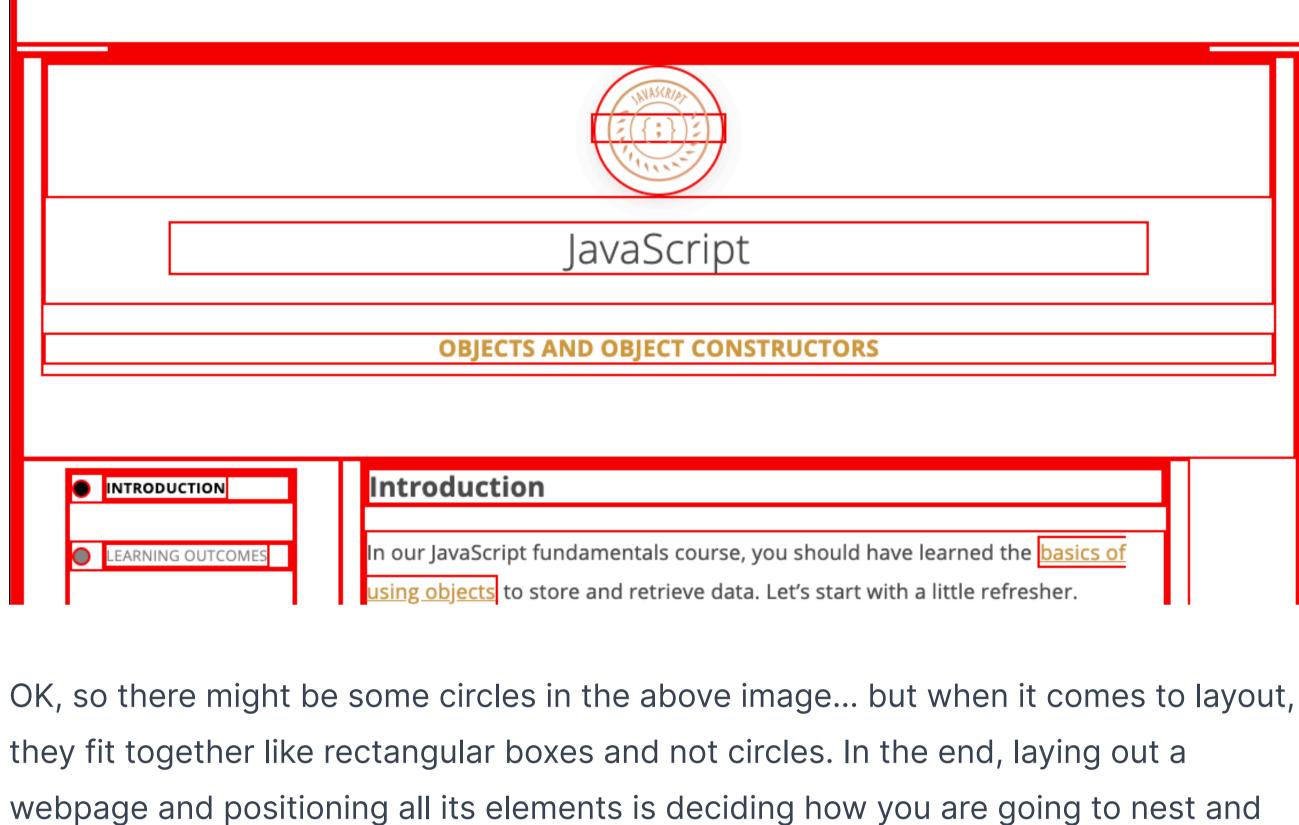
box is padding!

margin

THE ODIN PROJECT All Paths | Community | About | FAQ | Sign Up Log In

You can use the browser's inspector to add the CSS above to this web page if you

want, by clicking the + button in the top right of the "Styles" panel within the



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

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

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

- Be sure to study the diagrams carefully.
- padding This is an example to show off the box model. the space between this
- the purple line is border! the space between the border edge of this box and the edge of the window is margin!

# everything else.

Assignment

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 experiment with their in-browser editor!

4. The CSS Tricks page on margins has some further information about the

margin property that you'll find useful. Specifically, the sections about

1. Learn CSS Box Model In 8 Minutes is a straightforward overview of the box

auto and margin collapsing contain things you'll want to know. **Knowledge check** 

### What does the box-sizing CSS property do? What is the difference between the standard and alternative box model?

supplemental.

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

Would you use margin or padding to create more space between 2 elements?

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

Mark Complete

Support us!

The Odin Project is funded by the community. Join us in empowering learners

around the globe by supporting The Odin Project!

How do you center an element horizontally?

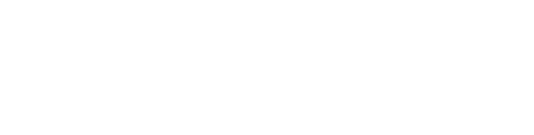
Legal

Terms

See lesson changelog

**View Course** 

Donate now → Learn more



Guides



THE ODIN PROJECT

High quality coding education maintained by an open source community.

Support



© 2024 The Odin Project. All rights reserved.

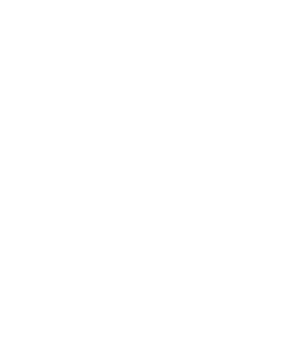






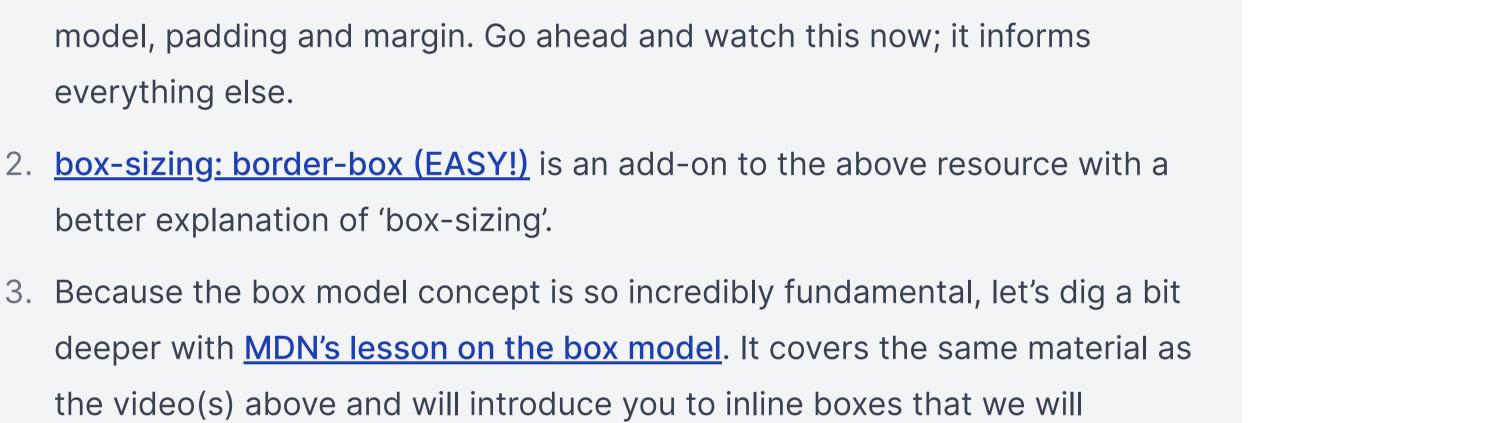


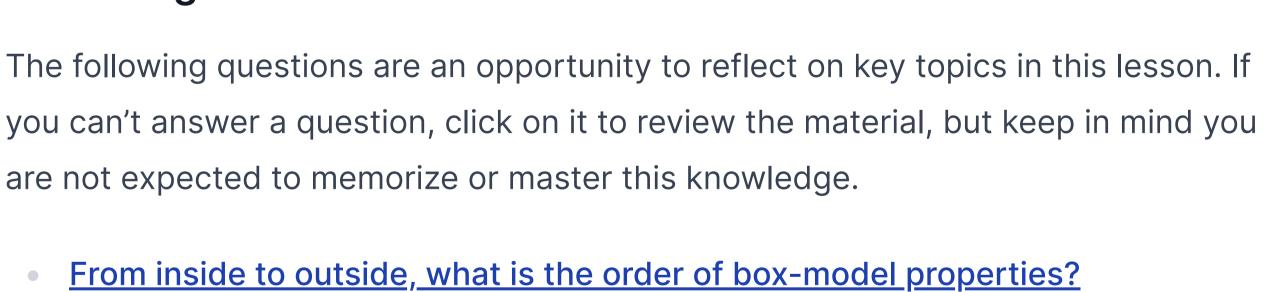








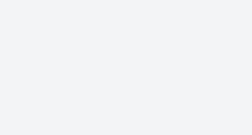






- For a more interactive explanation and example, try this **Scrim on the box model**. This informative video tutorial by <u>Slaying The Dragon</u> offers a valuable resource
- Improve on GitHub Report an issue

for understanding the box model.



→ Next Lesson