

Single Page Site



WEB 1.0

- Learning Outcomes
- Background images
- Style a Card
- Activity: Flex challenges
- **BREAK**
- Lab Time

By the end of today, you should be able to...

1. Use background images
2. Create Card Styles
3. Create a single-page site using starter code

Check-In

Check-In (5 minutes)

Break out into pairs.

Take turns asking: How are you feeling today? What's the biggest thing on your mind right now?

Remember to practice active listening.

Background images

Any block can have a background color and a background image.

- `background-image`
- `background-size`
- `background-repeat`
- `background-position`
- `background-attachment`

Use `background-image` to assign a picture as the background of a block. This appears on top of the background color that may be assigned.

The path is always relative to your style sheet!

- `background-image: url('images/cat.png')`

Use the background-size property to set the size of the.

You can set the size in px, %, or use one of the built in keywords that fit the image to the space available.

- `background-size: 100px | 50% | cover | contain`

Use the background-repeat property to set how many times the image repeats.

- background-repeat: repeat | no-repeat | repeat-x | repeat-y

Any block can have a background color and a background image.

- `background-position: center | left top | left center
| left bottom | right top | right center | right
bottom | center top | center bottom`

Try this playground to experiment with background images:

<https://make-school-courses.github.io/WEB-1.0-Web-Foundations/#/background-image.html>

Style a Card

Cards are rectangular containers with an image, text, and (sometimes) a button.



Mountains

A mountain is a large landform that rises above the surrounding land in a limited area, usually in the form of a peak. A mountain is generally steeper than a hill. Mountains are formed through tectonic forces or volcanism. These forces can locally raise the surface of the earth.

[Click](#)

High elevations

High elevations on mountains produce colder climates than at sea level. These colder climates strongly affect the ecosystems of mountains: different elevations have different plants and animals. Because of the less hospitable terrain and climate, mountains tend to be used less for agriculture and more for resource extraction and recreation, such as mountain climbing.

[Click](#)

Everest

The highest mountain on Earth is Mount Everest in the Himalayas of Asia, whose summit is 8,850 m (29,035 ft) above mean sea level. The highest known mountain on any planet in the Solar System is Olympus Mons on Mars at 21,171 m (69,459 ft).

[Click](#)

We can style a card using flex to align its contents.



```
.card {  
  display: flex;  
  flex-direction: column;  
  ...  
}
```

Sometimes, it's helpful to use the Chrome HTML/CSS inspector to see how styles are used on a site.

In Chrome, right-click and click on "Inspect". Then click on the element you want to see. Its styles will appear on the right-hand side.

You can click the check-boxes to toggle on/off any style to see what effect it has!

You can also add your own styles to any element.

Try these Challenges

Try these challenges: <https://github.com/soggybag/learn-css-flex-box>

Look at the solution file in a browser to see the end results. Then work through the code samples to practice.

Break - 10 min

“Take a 10 minute break and wrap a tag around everything you see.”

Single Page Site

The single page site starter code has been updated! There are now 8 parts to walk you through the creation of a site so that you can try your own.

You only need to submit one file (*your* finished site, not the provided one).

<https://github.com/Make-School-Labs/single-page-starter>

Play a Game with Flex

Try one of these games to **practice your flexbox skills.**

Tower defense: <http://www.flexboxdefense.com>

Flexbox Froggy: <https://flexboxfroggy.com>

Lab Time

This week's assignments:

- [Single Page Site](#) - Due on Tuesday

Modify your Zoom name (hover over your photo and click the 3 dots) to put a "1" before your name if you'd like to work alone, "2" if you'd like to work with a partner.

Stay in the main Zoom room if you'd like to stay for more Q&A, homework help, etc.

Go to your individual breakout room if you'd prefer to work with a partner or have quiet time!