

Unit: CSS

Ms. Munoz

Lesson: What are IDs and Classes and how are they helpful when coding in HTML?

Do Now(10 mins): Read over the starter code for today. See also a preview of the website. Take notes in the form of comments in the HTML: What are some things you know and don't know?

SWBAT

- describe what an ID and a Class is
- distinguish the differences between IDs and Classes
- use divs with IDs and Classes
- make connections between the relationship between

Classes and IDs

Classes and IDs are super powerful in HTML. Later when we review website frameworks using Bootstrap, we will look at some amazing built-in classes we can use in our websites.

As we see in the code, classes and ids allow us to format different sections of code. We can call these in the CSS sheet and give them their own modifications (color, size, etc). Only the sections labeled with the respective classes and ids will be affected.

Q- What sections of the code will be affected by a class or id? Which are not?

Q- What sections of the code will be affected by a class or id? Which are not?

A-

*head, body and center not affected

*h1 affected

*everything in div affected

```
3 <head>
4   <meta charset="UTF-8">
5   <title>title</title>
6   <link rel="stylesheet"
7     href="HTML_CSS_startercode_style.css" type="text/css">
8 </head>
9 <body>
10 <!-- DO NOT CHANGE CODE ABOVE THIS LINE -->
11 <!-- Resource for 4 facts: -->
12 <!--
13 https://www.dentalassociates.com/blog/hate-flossing-these-
14 5-things-will-change-your-mind -->
15 <center>
16   <h1 id="green_text">
17     Why you should floss
18   </h1>
19 </center>
20 <div class="blue_text">
21   <p>
22     1. Flossing does 40% of the work in removing sticky
23     bacteria, or plaque, from your teeth.
24   </p>
25 </div>
```

Q- What do we notice about classes? How many times are certain classes mentioned in the code? How many times are ids mentioned?

```
12  <center>
13    <h1 id="green_text">
14      Why you should floss
15    </h1>
16  </center>
17
18  <div class="blue_text">
19    <p>
20      1. Flossing does 40% of the work in removing sticky bacteria, or plaque, from your
21      teeth.
22    </p>
23  </div>
24  <div class="red_text">
25    <p>
26      2. The rest of your body is healthier when you floss.
27    </p>
28  </div>
29
30  <div class="blue_text" id="large">
31    <p>
32      3. Prevent gingivitis!
33    </p>
34  </div>
35
36  <!-- add a class for red text in the div below -->
37  <div>
38    <p>
39      4. Low-cost, efficient tool to a healthy mouth.
40    </p>
41  </div>
```


Classes can actually be reused throughout the code. If more than one section requires blue text, you can add that class to that element. As we see with the heading on line 13, we don't always need to use divs. Let's practice and add a class to line 37.

Demo: Add a class to a div!

IDs on the other hand, can only be used once throughout the code. That is why we used the id for `green_text` in the heading and large in number 3. We don't want to use those modifications anywhere else.

Let's take a quick look at the CSS sheet. Notice how we call ids and classes differently! While elements have no symbols, classes use a period when called and ids use the pound/hashtag symbol.

```
3  #large{
4
5  }
6
7  #green_text{
8
9  }
10
11 .blue_text{
12
13 }
14
15 .red_text{
16
17 }
```

Student Activity(10mins)

Let's edit our CSS sheet! Add the appropriate modifications for each section(text color and size).

Stretch- Finished early? Try looking up a color picker and instead of adding color as words, try adding them as a HEX or RGB code (use w3schools as a reference)

Review