

Lesson Plan

Anybody here messed around with HTML?

Purpose of today's course is to get an intro to HTML. The backbone of every website that you visit

Today's goal...

A - Examine the browser-server model and where **html** fits in the picture

B - A site that demos the difference

HTML, - content

CSS, - style

JS - behavior

<http://goo.gl/J5Uhwf>

C - Examine an HTML document + Communication btw/ client + server

Starter Files: <https://goo.gl/oaMfNo>

The Big Picture (on board)

- 1) Open a web browser
- 2) Type in a web address (URL)
- 3) Your computer accesses a server through HTTP
(the language that browsers/servers use to communicate)
with a GET request for the .html file
- 4) Server sends back the .html file and your browser can read and render
... this .html file determines what content will be on the page
- 5) 999,999 / 1 million the .html file will often have other files
that the browser will need to read and display

image files

audio files

video files

css files - (how the page will look)

javascript - (what 'events' can happen on the page)

D - Build a simple site based on EarthDay Houston flier

E- BONUS: Examine how the same site can be for both desktop and mobile

DEMO Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Earth Day</title>
</head>
<body>

  <div class="header" >
    
  </div>

  <div class="main-section">
    <h1>EARTHDAY HOUSTON</h1>

    <h2>April 16, 2016 | Sam Houston Park</h2>
    <h4>Benefitting <strong>clean air</strong> and <strong>a
sustainable future</strong> at <a href="http://
airalliancehouston.org/"> AirAllianceHouston.org</a></h4>
    

    <div>
      <p>Commute Solutions challenges you to ride a bicycle to the
festival! Free bike valet and a chance to win prizes.</p>
      <p>Bring clothing, shoes, stuffed animals, and other household
textiles to be recycled.</p>
      <p>Fill your water bottle at our hydration stations. Free
beverages provided by Coca Cola</p>
    </div>

  </div>

</body>
</html>
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="../css/styles.css">
```

```
in css
@media screen and (min-width: 660px) {
  body {
    text-align: center;
  }

  .header,
  .main-section {
    width: 49%;
    display: inline-block;
    vertical-align: top;
  }

  .header img{
    height: 500px;
  }
}
```