Web Development Lesson Plan

|  |  |  |
| --- | --- | --- |
| Session: 2 | Topic: HTML Review | Day: 2 |

|  |
| --- |
| Lesson Objective:  This exercise will...   * Receive an HTML refresher.   The purpose of this lesson is also that   * Students can understand basic HTML concepts. |
| Materials Needed:   * Internet access * Web browser |
| Agenda:   1. What is HTML (10 minutes) 2. HTML Tutorial (30 minutes) 3. Try it yourself (X minutes) 4. Reflection (5 minutes) |
| Procedure:  Student can do this fully independently by reading the instructions, or someone can read the instructions to make sure the task is understood before doing the activity. The reflection part can be done with guided instructions, or in pairs with other students if available to compare notes. |
| Assessment/Check for learning:   * Students can identify concrete things that they missed in their observation (note that this is not a bad thing, the purpose of this lesson is to realize that intentionally looking for information comes with the ‘penalty’ of reduced attention to other things. |

What if:

* Student has already shown proficiency in that skill?
  + Pick a movie or episode in which a lot of things are happening, so that there are more things for the student to keep track of.
* Student is having a hard day and needs special accommodations?
  + Pick a movie or episode in which only a few things are happening, so that there are less things for the student to keep track of.
  + Instead of writing, the student can also take spoken notes with an audio recorder. This will be a bit trickier in the second part but audio in the movie can be supported with subtitles.

NOTES:

* Duration is approximately 50 minutes; can be adjusted by shortening the duration of the film clip. Less than 10 minutes is not recommended unless really necessary.

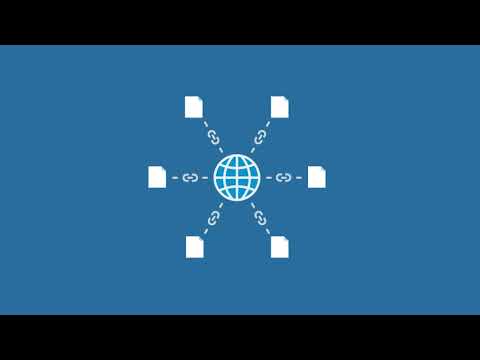
**Instructions**

**What is HTML (10 minutes)**

Step 1:

All webpages use HTML. HTML provides formatting instructions for a webpage. HTML contains tags to make formatting easier. Watch the following video to receive a brief description of HTML:

[What is HTML?](https://www.youtube.com/watch?v=W-6OY9eI3hk)



**HTML Tutorial (30 minutes)**

Step 1:

Now that you have learned what HTML is, it is time for you to try writing some HTML. Navigate to the following link and complete the tutorial sections titled **HTML** **Introduction, HTML Editors, HMTL Basic Examples, HTML Elements.**

Note: Make sure to click on “Try it Yourself” and complete the exercises. Click “Next” to continue to the next section. Take a break when you have completed the **HTML Elements** section.

<https://www.w3schools.com/html/html_intro.asp>

Step 2:

After your break complete the tutorial sections titled **HTML Attributes, HTML Headings, and HTML Paragraphs**:

<https://www.w3schools.com/html/html_headings.asp>

**Try it yourself (X minutes)**

Step 1:

In your “Hello world” **HTML Paragraphs** exercisetry adding more HTML elements. Add as many elements as you want. Try making a simple web page. Have fun!

**Reflection (5 minutes)**

Was HTML challenging for you? If it was, write down some of your challenges. If it was not challenging, write down what you might want to create using HTML or what you have already created in the past.

In the following lesson you will be introduced to the Django web framework.