Brooklyn Emerging Leaders Academy

Daily Instructional Lesson Plan

**U2.L1 - Creating a Data Table Pt.1 [Week 1]**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Teacher(s) | Edwin Jaquez | Course | | Web Development | | Unit Title | [Unit 2 - Designing and Planning Web Pages](https://docs.google.com/document/d/1vszTPHN3ds6vby3WQhbgjliny1rmemsgJuWPsWcq1IU/edit) |
| Lesson # | 1 | Days | | **B Days** | | Time | 80 Mins |
| Objectives: | | | | | | | |
| **Students will be able to create a simple data table that includes <table> <caption>, <thead>, <tbody>, <tr>, <th> and <td> elements as well as scope attributes.** | | | | | | | |
| Assessment—Exit Ticket Questions | | | | | Student Exemplar Responses to the Exit Ticket Questions | | |
| Students submit their pen via google classroom for review and grading. | | | | | **Students should have the following:**   |  |  |  | | --- | --- | --- | | Latin-Trap | Hip Hop | Pop | | Bad Bunny | Da Baby | Ariana Grande | | Ozuna | Lil Nas X | Post Malone | | | |

|  |  |
| --- | --- |
| Lesson Methods | |
| Activating Strategy/Hook | Time: 10 Minutes |
| **Via Google Sheets**   * Organize the following data using Google Sheets (Posted on Google Classroom) | |
| Lesson Lecture | Time: 30 minutes |
| **Overview**  Tables were introduced to the web with the original purpose of displaying data in rows and columns. In time they came to be used for an additional purpose: page layout. This lesson will focus on their original purpose. Page layout will be explored later in this course.  In this lesson students will add a simple data table to their portfolio.  **How to Create an HTML Table**   1. HTML tables begin with **<table>** and end with **</table>**. 2. Inside the **table** element, you can optionally include a **caption** element, which contains a brief title or description of the table's content. Most browsers display the caption above the table. 3. Like HTML documents, tables include a head and body. In tables, these are specified using the **<thead>** and **<tbody>** elements respectively. These tags are optional, but they should be included on long tables. If long tables are printed and span multiple pages, browsers will repeat the content of the **<thead>** element (usually the top row(s) of the table) at the top of every printed page. 4. Each row in a table begins and ends with *table row* (tr) elements: **<tr></tr>** 5. Each *cell* in the table begins and ends with either *table header* (th) elements or *table data* (td) elements, depending on what type of information the cell contains.    * If a cell contains headers, it begins and ends with th elements: **<th></th>**    * If a cell contains data (not headers), it begins and ends with td elements: **<td></td>** 6. Table header elements (**th**) should also include a ***scope*** attribute, which is either ***scope="row"*** or ***scope="col"***. This instructs screen readers as to which headers apply to which cells. Screen readers read tables row by row from left to right, and without this extra markup blind users would have a difficult time figuring out which headers apply to the cell they're in. | |
| Work Period | Time: 35 Minutes |
| **Activity:**  **Students will create a table using HTML.** *As a guide, students will use the same data from the do-now activity to continue practicing how to organize data.* | |
| Closing/Exit Ticket | Time: 5 Minutes |
| Students submit their pen via google classroom for review and grading. | |