## **Class Plan ( CSS Layout : Grid )**

### **Digital Excellence Program – Sample Class Plan**

**Topic: CSS Layout : Grid**

| **Time Slot** | **Activity** | **Description** |
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| **First 5 minutes** | **Warm-up & Reflection** | Icebreaker:”Students will be quizzed on the difference between **Flexbox** and **Grid**, followed by an explanation of when to use each.” |
| **30 minutes** | **Core Concept Explanation** | * **Live coding session**: Build a responsive navbar using **CSS Flexbox**. * **Deep dive into CSS Grid**: Cover basic and advanced topics, including: * - **grid-template-rows & grid-template-columns** * - **grid-template-areas** (naming & structuring layouts) * - **grid-auto-flow** (row vs. column layout) * - **span keyword** (spanning multiple rows/columns) * - **justify-items vs. align-items** vs. **place-items** * - **justify-content vs. align-content** vs. **place-content** * - **grid-gap (gap shorthand)** * - **minmax() function & auto-fit/auto-fill** (for dynamic responsiveness). |
| **30 minutes** | **Activity** | Students will try to build the navbar on their owner. The mentor will be available to clarify any doubts. Students will play the **Grid Garden** game to reinforce grid concepts. |
| **10 minutes** | **Class Wrap-up** | Recap: Key takeaways of grid concept. |

### **References & Notes for CSS Layout : Grid**

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#### **Core Concept Explanation**

**References:**

* [Grid](https://www.w3schools.com/css/css_grid.asp)
* [Grid-Garden](https://cssgridgarden.com/)