Yes, we can cover **only CSS (not CSS3)** in the second class! That means we'll focus on **core CSS properties** without diving into advanced CSS3 features like animations, gradients, and transitions.

**📚 Second Class Plan: Deep Dive into Core CSS**

We will cover the following:  
✅ **Basic Structure of CSS** (Syntax, Selectors, Specificity)  
✅ **Box Model** (Padding, Margin, Border, Width, Height)  
✅ **Positioning & Display** (Static, Relative, Absolute, Fixed)  
✅ **Typography & Text Styling** (Fonts, Alignment, Spacing)  
✅ **Lists & Tables** (Table Layout, List Styles)  
✅ **Floats & Clearfix**  
✅ **Flexbox (Basic)**  
✅ **Media Queries (Basic Responsive Design - Without CSS3 Features)**

**🔹 1. Basic CSS Structure**

selector {

property: value;

}

**Example:**

p {

color: blue;

font-size: 16px;

}

**🔹 2. Box Model**

| **Property** | **Description** |
| --- | --- |
| width, height | Sets the size of an element. |
| margin | Space around an element. |
| padding | Space inside the element, around content. |
| border | Creates a border. |

**🔹 3. Positioning & Display**

| **Property** | **Description** |
| --- | --- |
| display | Controls how an element is displayed (block, inline, inline-block). |
| position | Defines how an element is positioned (static, relative, absolute, fixed). |
| top, left, right, bottom | Controls element placement if positioned. |

**Example:**

.box {

position: absolute;

top: 50px;

left: 100px;

}

**🔹 4. Typography & Text Styling**

| **Property** | **Description** |
| --- | --- |
| font-family | Sets the font style. |
| font-size | Defines font size. |
| font-weight | Controls boldness. |
| text-align | Aligns text (left, right, center). |
| text-decoration | Underline, overline, or none. |

**🔹 5. Lists & Tables**

| **Property** | **Description** |
| --- | --- |
| list-style-type | Bullet style (circle, square, none). |
| border-collapse | Merges table borders. |
| border-spacing | Defines spacing between table cells. |

**🔹 6. Floats & Clearfix**

| **Property** | **Description** |
| --- | --- |
| float | Moves an element to the left or right. |
|  |  |

**🔹 7. Basic Flexbox**

| **Property** | **Description** |
| --- | --- |
| display: flex | Enables flexbox. |
| justify-content | Aligns items horizontally. |
| align-items | Aligns items vertically. |

**Example:**

.flex-container {

display: flex;

justify-content: center;

}

**🔹 8. Basic Media Queries**

@media (max-width: 600px) {

body {

background-color: lightgray;

}

}

**✅ Conclusion & Next Step**

**This will complete the CORE CSS without CSS3.**  
For the **third class**, we can cover **CSS3 features** like animations, shadows, gradients, and advanced flex/grid.

**Do you want me to prepare class notes for you? 😊**

Covering all CSS properties in a structured way will make it easier for students to grasp. Below is a **comprehensive list of CSS properties** categorized properly. This will serve as a **CSS Master Guide** for your students.

**Complete CSS Properties Guide**

**1️⃣ CSS Basics**

| **Property** | **Description** |
| --- | --- |
| color | Sets the text color. |
| background-color | Sets the background color. |
| background-image | Sets a background image. |
| background-size | Defines how a background image fits in an element. |
| background-repeat | Repeats the background image (or not). |
| background-position | Defines the starting position of a background image. |
| background-attachment | Controls whether the background image scrolls with the page. |

**Example:**

body {

background-color: lightblue;

background-image: url("image.jpg");

background-size: cover;

background-repeat: no-repeat;

}

**2️⃣ Text & Font Styling**

| **Property** | **Description** |
| --- | --- |
| font-family | Defines the font style. |
| font-size | Sets the font size. |
| font-weight | Sets the thickness of the font (e.g., bold, normal). |
| font-style | Defines font style (italic, normal). |
| text-align | Aligns text (left, right, center, justify). |
| text-decoration | Adds underline, overline, line-through, none. |
| text-transform | Converts text to uppercase, lowercase, or capitalize. |
| letter-spacing | Sets spacing between letters. |
| word-spacing | Sets spacing between words. |
| line-height | Sets space between lines of text. |
| direction | Defines text direction (ltr, rtl). |

**Example:**

p {

font-family: Arial, sans-serif;

font-size: 16px;

font-weight: bold;

text-align: center;

letter-spacing: 2px;

line-height: 1.5;

}

**3️⃣ CSS Box Model**

| **Property** | **Description** |
| --- | --- |
| width | Sets the width of an element. |
| height | Sets the height of an element. |
| max-width | Defines the maximum width. |
| max-height | Defines the maximum height. |
| min-width | Defines the minimum width. |
| min-height | Defines the minimum height. |
| padding | Creates space inside the element, around content. |
| margin | Creates space outside the element. |
| border | Defines a border for an element. |
| border-width | Specifies border thickness. |
| border-style | Defines border style (solid, dashed, dotted, etc.). |
| border-color | Defines the color of the border. |
| border-radius | Rounds the corners of an element. |
| box-shadow | Adds a shadow to the element. |

**Example:**

.box {

width: 200px;

height: 100px;

padding: 10px;

margin: 20px;

border: 2px solid black;

border-radius: 10px;

box-shadow: 5px 5px 10px gray;

}

**4️⃣ Display & Positioning**

| **Property** | **Description** |
| --- | --- |
| display | Defines how an element is displayed (block, inline, flex, grid, none). |
| visibility | Controls if an element is visible or hidden. |
| position | Sets positioning (static, relative, absolute, fixed, sticky). |
| top, right, bottom, left | Defines the position of an element when it's relative, absolute, or fixed. |
| z-index | Defines the stack order of elements. |
| float | Moves an element to the left or right. |
|  |
| overflow | Controls content that overflows its container (visible, hidden, scroll, auto). |

**Example:**

.fixed-box {

position: fixed;

top: 0;

right: 0;

width: 100px;

height: 100px;

background: red;

z-index: 1000;

}

**5️⃣ Flexbox Properties**

| **Property** | **Description** |
| --- | --- |
| display: flex | Enables Flexbox layout. |
| flex-direction | Defines row or column layout. |
| justify-content | Aligns items horizontally. |
| align-items | Aligns items vertically. |
| flex-wrap | Wraps items into multiple rows if needed. |
| flex-grow | Defines how much an item grows inside the container. |
| flex-shrink | Defines how much an item shrinks inside the container. |

**Example:**

.flex-container {

display: flex;

justify-content: space-between;

align-items: center;

}

**6️⃣ Grid Layout Properties**

| **Property** | **Description** |
| --- | --- |
| display: grid | Enables Grid layout. |
| grid-template-columns | Defines the number of columns in a grid. |
| grid-template-rows | Defines the number of rows. |
| gap | Adds spacing between grid items. |
| grid-column-start & grid-column-end | Defines where a grid item starts and ends. |
| grid-row-start & grid-row-end | Defines row placement of items. |

**Example:**

.grid-container {

display: grid;

grid-template-columns: repeat(3, 1fr);

gap: 10px;

}

**7️⃣ List Styling**

| **Property** | **Description** |
| --- | --- |
| list-style-type | Defines bullet points (circle, square, none). |
| list-style-position | Defines position of bullets (inside, outside). |
| list-style-image | Uses an image as a bullet point. |

**Example:**

ul {

list-style-type: square;

}

**8️⃣ Table Styling**

| **Property** | **Description** |
| --- | --- |
| border-collapse | Merges table borders. |
| border-spacing | Sets space between table cells. |
| empty-cells | Hides empty table cells. |

**Example:**

table {

border-collapse: collapse;

}

**9️⃣ CSS Animations & Transitions**

| **Property** | **Description** |
| --- | --- |
| transition | Adds smooth transitions between property changes. |
| animation | Defines animations. |

**Example:**

.button {

transition: background 0.5s ease;

}

**🔟 CSS Units & Measurements**

| **Unit** | **Description** |
| --- | --- |
| px | Absolute size (pixels). |
| % | Relative to parent element. |
| em | Relative to font-size of parent. |
| rem | Relative to root font-size. |
| vw | Viewport width percentage. |
| vh | Viewport height percentage. |

**Final Notes: Best Practices**

✔️ Use **external CSS** for maintainability.  
✔️ Avoid using !important unless necessary.  
✔️ Use **semantic class names** for better readability.  
✔️ Keep styles **organized** and **modular**.