

- ALL COMPUTER COURSES
  - ENGLISH LANGUAGE COURSES
  - TUITION NURSERY TO 10<sup>TH</sup> (ALL SUBJECTS)
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## HTML aur CSS Syllabus (for Web Design / Front-End Development)

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### 1. Introduction to Web Development

- Web ka basic samajhna (how websites work)
  - Internet, Browser, Server concepts
  - Front-end vs Back-end
  - HTML, CSS, JavaScript ka role
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### 2. HTML (HyperText Markup Language)

**Purpose:** Web page ka structure banana

**Topics:**

- HTML ka basic structure (<html>, <head>, <body>)
  - Text formatting tags (<h1>, <p>, <b>, <i>, <u>)
  - Lists (<ul>, <ol>, <li>)
  - Links (<a href="">)
  - Images (<img src="">)
  - Tables (<table>, <tr>, <td>, <th>)
  - Forms (<form>, <input>, <textarea>, <select>)
  - Semantic elements (<header>, <footer>, <article>, <section>)
  - HTML5 features (audio, video, canvas, etc.)
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### 3. CSS (Cascading Style Sheets)

**Purpose:** Web page ko style aur design dena

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### Topics:

- CSS ka introduction (inline, internal, external CSS)
- Syntax and selectors
  - Element selector
  - Class selector (.class)
  - ID selector (#id)
  - Grouping & universal selectors
- Colors, Backgrounds, Borders
- Fonts and Text styling
- Box Model (margin, border, padding, content)
- Display properties (block, inline, inline-block, none)
- Positioning (static, relative, absolute, fixed, sticky)
- Float and Clear
- Flexbox (responsive layouts ke liye)
- CSS Grid
- Pseudo-classes and Pseudo-elements (:hover, :before, etc.)
- Transitions and Animations
- Media Queries (for responsive design)
- Variables (CSS custom properties)
- Browser Developer Tools basics



### **4. Responsive Web Design**

- Mobile-first design concept
- Viewport meta tag
- Using @media queries for different screen sizes
- Flexbox and Grid for responsiveness

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### **5. Advanced CSS Concepts**

- CSS Preprocessors (SASS, LESS basics)
  - CSS Frameworks (Bootstrap, Tailwind CSS basics)
  - Custom animations (@keyframes)
  - Dark mode styling
  - CSS best practices (clean code, reusability)
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### **6. Mini Projects / Practice**

- Create personal portfolio webpage
  - Create responsive landing page
  - Design simple e-commerce homepage
  - Form design with validation styling
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### **Tools You'll Use**

- Code Editor (VS Code)
- Browser Developer Tools
- GitHub (for hosting projects)