



PLUTOCODER: HTML Summer Camp Curriculum (5 Weeks)

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Age Group: 8–14 years

Level: Beginner to Intermediate

Class Duration: 40 to 45 minutes per session

Schedule: 2–3 sessions per week (customizable)

Tools Needed: Computer, Web Browser, Code Editor (Replit, CodePen, VS Code)



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WEEK 1: Getting Started with HTML

Goal: Understand the basics of HTML and create a simple web page.

- **Session 1:**
 - What is the internet and a website?
 - Introduction to HTML structure (`<html>`, `<head>`, `<body>`)
 - Writing your name and a welcome message
 - **Session 2:**
 - Text elements: headings, paragraphs, line breaks
 - Formatting: bold, italic, underline
 - Activity: Create a "My Profile" webpage
 - **Session 3:**
 - Lists: Ordered and unordered
 - Comments in HTML
 - Mini Project: "My Top 5 Favorite Things" web page
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WEEK 2: Images, Links & Multimedia

Goal: Make pages interactive and visually rich.

- **Session 1:**
 - Adding images with `<img>` and attributes (alt, width, height)
 - Linking images
 - **Session 2:**
 - Creating hyperlinks with `<a>` tag
 - Linking to other sites and internal pages
 - Embedding YouTube videos
 - **Session 3:**
 - Activity: Create a "My Favorite Animal/Cartoon" page with images and links
 - Quiz or fun review game.
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WEEK 3: Structuring Your Web Page

Goal: Learn how to organize content and layout.

- **Session 1:**
 - Introduction to `<div>` and `<span>`
 - Nesting tags properly
 - **Session 2:**
 - Creating tables: `<table>`, `<tr>`, `<td>`, `<th>`
 - Merging cells: `colspan`, `rowspan`
 - **Session 3:**
 - Project: "My School Timetable" using a table
 - Bonus: Add an image banner at the top
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WEEK 4: Introduction to Web Design

Goal: Apply simple styles and understand design basics.

- **Session 1:**
 - Basic inline CSS: `style` attribute
 - Changing colors, fonts, text sizes
 - **Session 2:**
 - Styling lists and tables
 - Adding background colors and borders
 - **Session 3:**
 - Project: "My Dream Vacation" with styled content
 - Prepare for final project.
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WEEK 5: Final Project & Showcase

Goal: Build a complete personal webpage and present it.

- **Session 1:**
 - Plan the final project (e.g., “About Me” site or a topic of their choice)
 - Create homepage, add sections, structure content.
 - **Session 2:**
 - Polish design with simple styling
 - Add final touches: images, links, headings.
 - **Session 3:**
 - Showcase: Students present their websites
 - Feedback session and certificates (optional)
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Bonus Ideas:

- HTML Bingo or Kahoot Quiz
- “Fix the Bug” worksheet (HTML error spotting)
- Group project: Build a class website (1 page per student)