



GRADE 6-10

BUILD AND PUBLISH A REAL WEBSITE

Web Development

Course Snapshot

DURATION

45 Days

CLASSES

45 Classes (1/day, 60 min)

FORMAT

Live Online & In-Person (Kathmandu)

BATCH SIZE

Maximum 8 Students

PLATFORM & TOOLS

HTML, CSS, JavaScript · VS Code / CodePen / repl.it

DEVICE NEEDED

Laptop or Desktop, Stable Internet

CERTIFICATE

YCA Web Development Completion Certificate

Our Teaching Approach

- Live, instructor-led classes that move step by step from structure to style to interactivity.
- Hands-on practice every session, with every topic paired with a fun coding activity.
- Project-based learning, finishing with a real website, live on the internet.



SYLLABUS



Web Development Foundations

45 days · 7 modules · 1 class a day, from a single HTML tag to a live, published website.

MODULE 1 Web Fundamentals & HTML

Day 1–12

DAY	TOPIC	FUN ACTIVITY
1	Introduction to the Internet and Web Development	Website Scavenger Hunt
2	Introduction to HTML	Hello World Webpage
3	Text Elements and Headings	About Me Page
4	Lists	My Favourite Things List
5	Links and Images	Build a Fan Page
6	HTML Tables	Class Timetable Builder
7	HTML Forms Basics	Design a Signup Form
8	Semantic HTML	Structure Your Own Page
9	Div and Span, Classes and IDs	Tag Your Page Treasure Hunt
10	HTML Challenge Day, Revision	HTML Speed Build Challenge
11	Introduction to CSS	Colour My Page
12	Module Project, Personal Bio Page	Bio Page Showcase

MODULE 2 CSS Styling

Day 13–19

DAY	TOPIC	FUN ACTIVITY
13	External CSS and Selectors	Selector Scavenger Hunt
14	Colours, Fonts and Text Styling	Style Your Name
15	The Box Model	Box Model Pizza Builder
16	Backgrounds and Borders	Design a Greeting Card
17	Flexbox Basics	Align the Emojis Challenge
18	Flexbox Layouts	Build a Navigation Bar
19	CSS Project, Styled Personal Profile Card	Best Styled Card Showcase

MODULE 3 Responsive Design & CSS Grid

Day 20–27

DAY	TOPIC	FUN ACTIVITY
20	Introduction to CSS Grid	Grid Puzzle Challenge
21	Grid Layout Practice	Build a Photo Gallery Grid
22	Responsive Design Basics	Resize and Observe
23	Media Queries	Make It Mobile Friendly
24	CSS Transitions and Animations	Animated Button Challenge
25	Google Fonts and Icons	Icon Hunt
26	Introduction to CSS Frameworks (Bootstrap Basics)	Quick Bootstrap Page
27	Mini Project, Responsive Landing Page	Landing Page Showcase

MODULE 4 JavaScript Basics

Day 28–34

DAY	TOPIC	FUN ACTIVITY
28	Introduction to JavaScript	Alert Message Fun
29	Variables and Data Types	Guess the Data Type
30	Operators and Conditionals	Traffic Light Simulator
31	Functions in JavaScript	Greeting Function Generator
32	Loops in JavaScript	Star Pattern Console Challenge
33	Arrays	Favourite Things Array
34	Project, Simple To-Do List (console-based)	To-Do List Showcase

MODULE 5 DOM & Interactivity

Day 35–39

DAY	TOPIC	FUN ACTIVITY
35	Introduction to the DOM	Find and Change Text
36	Event Listeners	Button Click Reactions
37	Changing Styles with JavaScript	Dark Mode Toggle
38	Form Validation	Build a Feedback Form
39	DOM Project, Interactive To-Do List	Live To-Do App Demo

MODULE 6 Mini Projects & APIs

Day 40–43

DAY	TOPIC	FUN ACTIVITY
40	Introduction to APIs	Random Joke Fetcher
41	Building a Weather/Quote App	Live Weather Card
42	Local Storage	Save My Notes App
43	Game/Project Day, Quiz App with Score Tracker	Class Quiz Tournament

MODULE 7 Final Project & Portfolio

Day 44–45

DAY	TOPIC	FUN ACTIVITY
44	Building a Portfolio Website	Portfolio Wireframe Sketch
45	Final Project and Graduation (Portfolio Website / Quiz App / Weather Dashboard)	Certificate Ceremony, Coding Quiz, Student Showcase

DAY 45 · GRADUATION

A Live Website, A Certificate, A Showcase

Every student graduates with a real, published project of their own, a Portfolio Website, Quiz App, or Weather Dashboard, presented at a certificate ceremony and student showcase.

