📅 6-Week JS + Advanced CSS/MUI + Figma Plan (with Time Blocks)

Daily structure target (adjust to energy): JS 75–90 min • CSS/MUI 45–60 min • Figma 20–30 min on scheduled days (or take Figma off-days for rest).

# Week 1 — Fundamentals + Modern CSS Foundations

* ☐ Day 1 — JS/React (75–90m): JS: Variables, types, strict mode; tiny calc utility.

  CSS/MUI (45–60m): CSS: Cascade refresher, specificity, new @layer; CSS Custom Properties (var()).

  Figma (20–30m): Figma: (20–30 min) Course kickoff + interface tour; set project file.

* ☐ Day 2 — JS/React (75–90m): JS: Strings & numbers; parse/format; template literals.

  CSS/MUI (45–60m): CSS: Logical properties; box-sizing; modern reset; fluid spacing with clamp().

  Figma: off / optional 20m review

* ☐ Day 3 — JS/React (75–90m): JS: Booleans & comparisons; truthy/falsy; guards.

  CSS/MUI (45–60m): CSS: Flexbox deep dive (wrapping, alignment, gap, intrinsic sizing).

  Figma (20–30m): Figma: Frames vs groups; layout grids; type scale.

* ☐ Day 4 — JS/React (75–90m): JS: Conditionals & switch; small grade calc.

  CSS/MUI (45–60m): CSS: Grid 101 (auto-fit/auto-fill, minmax(), aspect-ratio).

  Figma: off / optional 20m review

* ☐ Day 5 — JS/React (75–90m): JS Mini‑project: Calculator app.

  CSS/MUI (45–60m): CSS: Grid advanced: subgrid, named areas/lines; clamp() for responsive layouts.

  Figma (20–30m): Figma: Auto‑layout basics; build a responsive card.

# Week 2 — Control Flow, Functions + Layout Mastery

* ☐ Day 6 — JS/React (75–90m): JS: Loops (for, for…of, while); iterate arrays.

  CSS/MUI (45–60m): CSS: Container queries (@container), style scoping; when to prefer over media queries.

  Figma: off / optional 20m review

* ☐ Day 7 — JS/React (75–90m): JS: Functions (declaration/expression), parameters, return.

  CSS/MUI (45–60m): CSS: :has() parent selector patterns (cards, nav, form validation).

  Figma (20–30m): Figma: Components & variants intro; states (default/hover/disabled).

* ☐ Day 8 — JS/React (75–90m): JS: Scope (function vs block), closures; VS Code debugging.

  CSS/MUI (45–60m): CSS: Modern typography: fluid type with clamp(), variable fonts; leading-trim (support permitting).

  Figma: off / optional 20m review

* ☐ Day 9 — JS/React (75–90m): JS: Arrays (push/pop/map/filter).

  CSS/MUI (45–60m): CSS: Advanced positioning: sticky, scroll-snap; aspect-ratio tricks.

  Figma (20–30m): Figma: Constraints, responsive resizing; build a 2‑breakpoint layout.

* ☐ Day 10 — JS/React (75–90m): JS Mini‑project: Student grades tracker.

  CSS/MUI (45–60m): CSS: Animations & transitions: performance, transform/opacity, FLIP basics, prefers-reduced-motion.

  Figma: off / optional 20m review

# Week 3 — Objects, ES6 Syntax + Architecture

* ☐ Day 11 — JS/React (75–90m): JS: Objects, methods, `this`.

  CSS/MUI (45–60m): CSS: Architecture: BEM refresher, utilities, CSS Layers strategy; when to use each.

  Figma (20–30m): Figma: Design tokens: colors/type/spacing; export as styles.

* ☐ Day 12 — JS/React (75–90m): JS: Template literals; arrow functions (lexical this).

  CSS/MUI (45–60m): CSS: Nesting (native CSS nesting) & scope pitfalls; PostCSS vs native support.

  Figma: off / optional 20m review

* ☐ Day 13 — JS/React (75–90m): JS: map/filter in depth with pure functions.

  CSS/MUI (45–60m): CSS: Grid patterns: Holy‑Grail, sidebar, dashboard; subgrid practice.

  Figma (20–30m): Figma: Interactive components: toggles, tabs; prototype links.

* ☐ Day 14 — JS/React (75–90m): JS: reduce patterns (sum, groupBy, indexBy).

  CSS/MUI (45–60m): CSS: Forms: modern inputs, accent-color, :focus-visible, :user-invalid; a11y-friendly states.

  Figma: off / optional 20m review

* ☐ Day 15 — JS/React (75–90m): Mini‑project: Profile card generator (JS objects + template literal).

  CSS/MUI (45–60m): CSS: Theming via custom properties; dark mode with prefers-color-scheme.

  Figma (20–30m): Figma: Export for dev (inspect panel); redlines.

# Week 4 — Destructuring, Spread/Rest + Production CSS

* ☐ Day 16 — JS/React (75–90m): JS: Destructuring (arrays/objects).

  CSS/MUI (45–60m): CSS: CSS Modules vs CSS‑in‑JS vs plain CSS; pros/cons and tradeoffs.

  Figma: off / optional 20m review

* ☐ Day 17 — JS/React (75–90m): JS: Spread/Rest; immutability patterns.

  CSS/MUI (45–60m): CSS: Performance: paint/composite costs, will-change; avoid layout thrash.

  Figma (20–30m): Figma: Tokens→code mapping; handoff checklist.

* ☐ Day 18 — JS/React (75–90m): JS: Modules (import/export).

  CSS/MUI (45–60m): CSS: Icon systems: SVG sprites vs inline SVG; currentColor; CSS vars for theming.

  Figma: off / optional 20m review

* ☐ Day 19 — JS/React (75–90m): JS: Classes & inheritance; composition vs inheritance.

  CSS/MUI (45–60m): CSS: Accessibility: focus order, color contrast, reduced motion, hit targets; prefers-contrast.

  Figma (20–30m): Figma: Build a small design system starter (buttons, inputs, cards).

* ☐ Day 20 — JS/React (75–90m): Mini‑project: Shopping list merger.

  CSS/MUI (45–60m): CSS: Print styles; theming per section using cascade layers.

  Figma: off / optional 20m review

# Week 5 — Async + React Setup + Material UI Intro

* ☐ Day 21 — JS/React (75–90m): JS: Promises, .then/.catch; wrap setTimeout in a Promise.

  CSS/MUI (45–60m): MUI: Install React+MUI; ThemeProvider, palette, typography; System (`sx`) overview.

  Figma (20–30m): Figma: Align Figma tokens with your MUI theme scale.

* ☐ Day 22 — JS/React (75–90m): JS: async/await; error handling patterns.

  CSS/MUI (45–60m): MUI: Layout with Stack, Box, Grid; responsive breakpoints; spacing.

  Figma: off / optional 20m review

* ☐ Day 23 — JS/React (75–90m): JS: Fetch API (GET); loading & error states.

  CSS/MUI (45–60m): MUI: Buttons, TextField, Select, Dialog; basic form validation patterns.

  Figma (20–30m): Figma: Prototype a simple form flow; connect frames.

* ☐ Day 24 — JS/React (75–90m): JS: Organizing modules; small API service.

  CSS/MUI (45–60m): MUI: Styling options: `sx`, `styled()`, theme overrides; dark mode toggle.

  Figma: off / optional 20m review

* ☐ Day 25 — JS/React (75–90m): Mini‑project: Library system (modules + classes).

  CSS/MUI (45–60m): MUI: DataGrid intro (columns, sorting); navigation with AppBar/Drawer.

  Figma (20–30m): Figma: Export assets; dev handoff for your MUI screen.

# Week 6 — APIs, State Patterns + MUI Advanced

* ☐ Day 26 — JS/React (75–90m): JS: UI state patterns with plain JS; idle/loading/error/success.

  CSS/MUI (45–60m): MUI: Theming deep dive: component defaults, variant customization, theme augmentation.

  Figma: off / optional 20m review

* ☐ Day 27 — JS/React (75–90m): JS: Async/await + retries; debounce/throttle utils.

  CSS/MUI (45–60m): MUI: Accessibility with MUI components; focus management; aria props.

  Figma (20–30m): Figma: Micro‑interactions; motion guidelines; reduce‑motion alternatives.

* ☐ Day 28 — JS/React (75–90m): JS: Build small API app (search + pagination).

  CSS/MUI (45–60m): MUI: Forms end‑to‑end: validation, helper text, error states; Snackbar success toasts.

  Figma: off / optional 20m review

* ☐ Day 29 — JS/React (75–90m): JS: Error boundaries concept (prep for React); graceful fallbacks.

  CSS/MUI (45–60m): MUI: Performance tips; bundle size, tree‑shaking; when to eject to CSS Modules.

  Figma (20–30m): Figma: Final polish; present a mini design system + 2 screens.

* ☐ Day 30 — JS/React (75–90m): Mini‑project: Dog API viewer.

  CSS/MUI (45–60m): MUI: Ship a 1‑page MUI app using your theme (Home + Search + Details). Deploy to Netlify/Vercel.

  Figma: off / optional 20m review