📅 6-Week JavaScript + ES6 Starter Calendar

# Week 1: Core Basics

* ☐ Day 1: Variables & Data Types — Declare variables for name, age, isStudent
* ☐ Day 2: Strings & Numbers — Add two numbers and print result
* ☐ Day 3: Booleans & Comparisons — Compare numbers, check equality
* ☐ Day 4: Conditionals — Build simple grade calculator (A/B/C/F)
* ☐ Day 5: Mini-project — Calculator app (add, subtract, multiply, divide)

# Week 2: Control Flow & Functions

* ☐ Day 6: Loops — Loop through numbers 1–10 and sum them
* ☐ Day 7: Functions — Write square(num) and isEven(num)
* ☐ Day 8: Scope — Test accessing let variable outside block
* ☐ Day 9: Arrays — Manage a to-do list in an array
* ☐ Day 10: Mini-project — Student grades tracker (store grades & calc average)

# Week 3: Objects & ES6 Syntax

* ☐ Day 11: Objects — Store info for a book (title, author)
* ☐ Day 12: Object methods & this — Add describe() to book
* ☐ Day 13: Template literals — Format user profile string
* ☐ Day 14: Arrow functions — Convert old functions to arrow functions
* ☐ Day 15: Mini-project — Profile card generator (object + template literal)

# Week 4: Arrays & Modern Tools

* ☐ Day 16: Array methods: map & filter — Filter even numbers, map doubles
* ☐ Day 17: Array method: reduce — Calculate total from shopping cart
* ☐ Day 18: Destructuring — Pull title from book object in one line
* ☐ Day 19: Spread & Rest — Merge arrays; collect args with ...args
* ☐ Day 20: Mini-project — Shopping list merger (combine lists & remove duplicates)

# Week 5: Code Organization

* ☐ Day 21: Modules (import/export) — Split math functions into separate file
* ☐ Day 22: Classes & constructors — Create Car class with drive()
* ☐ Day 23: Inheritance (extends) — Create ElectricCar extending Car
* ☐ Day 24: Enhanced object literals — Use shorthand properties and methods
* ☐ Day 25: Mini-project — Library system (Book class + modules)

# Week 6: Async & APIs

* ☐ Day 26: Promises — Make promise that resolves after 2s
* ☐ Day 27: Async/Await — Rewrite Day 26 using async/await
* ☐ Day 28: Fetch API — Fetch a joke from API
* ☐ Day 29: Error handling — Add try/catch to fetch
* ☐ Day 30: Mini-project — Dog API viewer (fetch & display random images)