This is a review of all the things we did for the **node sample project** (you can skip this stuff if you are comfortable with the code we wrote last year in Int Web Dev)

1. [Setting up the project](https://webcoder.club/nodejs/node-sample-project-setup.html)
2. [File IO in NodeJS](https://webcoder.club/nodejs/file-io-in-node.html)
3. [A very simple web server](https://webcoder.club/nodejs/simple-web-server.html)
4. [NPM](https://webcoder.club/nodejs/node-package-manager.html)
5. [Creating custom modules](https://webcoder.club/nodejs/create-custom-modules.html)
6. [Getting started with Express](https://webcoder.club/nodejs/intro-to-express.html)
7. [EJS Templates](https://webcoder.club/nodejs/express-and-ejs-templates.html)
8. [The body-parser package](https://webcoder.club/nodejs/body-parser.html)
9. [The user-helpers module](https://webcoder.club/nodejs/user-helpers-module.html)

**Week 1 Assignments and Activities**

1. JS Review (1 hr) – I’ll send you this ASAP
2. ES6 Modules (1 hr)
   1. https://webcoder.club/javascript/es6-modules.html
3. First React Project (3-4 hrs)

[Create your first React app - Part 1](https://webcoder.club/react/first-react-app-part-1.html)

[Create your first React app - Part 2](https://webcoder.club/react/first-react-app-part-2.html)

[Create your first React app - Part 3](https://webcoder.club/react/first-react-app-part-3.html)

[Create your first React app - Part 4](https://webcoder.club/react/first-react-app-part-4.html)

1. Asynchronous JavaScript (1 hr)
   1. https://webcoder.club/javascript/asynchronous-javascript.html
2. [Read this article about JavaScript coding best practices](https://dev.to/dipakahirav/top-10-javascript-best-practices-for-writing-clean-code-3fie) (15 minutes)
3. [Read this article about single page web applications](https://www.bloomreach.com/en/blog/what-is-a-single-page-application) (30 minutes)
4. Optional: [Callback Hell - The dark side of asynchronous programming](https://webcoder.club/nodejs/user-helpers-async-module.html)

**Week 2 Assignments and Activities**

1. React Games (4 - 5 hrs)

[React Game Project - Part 1](https://webcoder.club/react/react-games-part-1.html)

[React Game Project - Part 2](https://webcoder.club/react/react-games-part-2.html)

[React Game Project - Part 3](https://webcoder.club/react/react-games-part-3.html)

[React Game Project - Part 4](https://webcoder.club/react/react-games-part-4.html)

[React Game Project - Part 5](https://webcoder.club/react/react-games-part-5.html)

1. HTTP activities (2 - 3 hrs) – Use your node sample project for these activities

[Read this overview of HTTP](https://webcoder.club/http/overview-of-http.html) and answer the questions in the attached Word document

[Complete this activity on HTTP and form handling](https://webcoder.club/nodejs/http-and-form-handling.html)

[Complete this activity on handling file uploads](https://webcoder.club/nodejs/file-uploads.html)

1. Optional: <https://react.dev/learn>