**NOTES:**

* Make notes for every course you have taken
* Make the extra work provided for some of the lessons

**EXTRA WORK:**

1. Choose 5 additional functions from the underscore library and implement them.
2. Choose 5 additional functions from the jQuery library and implement them.
3. Image you're an interviewer. Think in ten questions about JavaScript that will probe the knowledge of the candidate.
4. Do some sponsored challenges from <https://www.codeeval.com/> via pair programming.
5. Choose a pattern you liked and think about it's benefits over other patterns and when it is appropriate to use it.
6. Solve the n-queens problems with service workers.
7. Do a game with d3 and socket.io
8. Rewrite your underscore and jQuery libraries using ES6
9. Take time to think deeply about all the material learned. Ask yourself questions, practice, make additinoal notes and review old notes.
10. Imagine you're interviewing a candidate for a position that requires proficiency in the technologies learned these weeks. Thinks in ten questions that will probe his knowledge

**Week 1**

**Day 1**

* Git & github

<http://rogerdudler.github.io/git-guide>

<https://try.github.io/levels/1/challenges/1>

* The JavaScript tutorial ( Ilya Kantor )

<http://javascript.info/>

**Day 2**

* From Fundamentals to Functional JS ( Frontendmasters )

<https://frontendmasters.com/courses/js-fundamentals-to-functional/>

**Day 3**

* From Fundamentals to Functional JS ( Frontendmasters )

<https://frontendmasters.com/courses/js-fundamentals-to-functional/>

* EXTRA WORK #1

**Day 4**

* Chrome DevTools

<http://discover-devtools.codeschool.com/>

<https://www.youtube.com/watch?v=x9Jlu_h_Lyw>

<https://www.youtube.com/watch?v=QU1JAW5LRKU>

* Advanced JS fundamentals to jQuery ( Frontendmasters )

<https://frontendmasters.com/courses/javascript-jquery-dom/>

**Day 5**

* Advanced JS fundamentals to jQuery ( Frontendmasters )

<https://frontendmasters.com/courses/javascript-jquery-dom/>

**Day 6**

* Advanced JS fundamentals to jQuery ( Frontendmasters )

<https://frontendmasters.com/courses/javascript-jquery-dom/>

* EXTRA WORK #2
* JavaScript in depth series ( Dmitry Soshnikov )

<http://dmitrysoshnikov.com/tag/ecma-262-3/>

<http://dmitrysoshnikov.com/ecmascript/javascript-the-core/>

<http://dmitrysoshnikov.com/ecmascript/es5-chapter-0-introduction/>

**Day 7**

* Advanced JavaScript ( Frontendmasters )

[https://frontendmasters.com/courses/advanced-javascript/"rs.com/courses/advanced-javascript/](https://frontendmasters.com/courses/advanced-javascript/%22rs.com/courses/advanced-javascript/)

* EXTRA WORK #3

**Week 2**

**Day 1**

* Algorithms and data structures ( Frontendmasters )

<https://frontendmasters.com/courses/computer-science/>

**Day 2**

* Algorithms and data structures ( Frontendmasters )

<https://frontendmasters.com/courses/computer-science/>

* EXTRA WORK #4

**Day 3**

* EXTRA WORK #4
* Javascript Inheritance patterns

<http://davidshariff.com/blog/javascript-inheritance-patterns/>

**Day 4**

* Functional programming

<https://frontendmasters.com/courses/functional-js-lite/>

**Day 5**

* Functional programming

<https://frontendmasters.com/courses/functional-javascript/>

**Day 6**

* Functional programming

<https://frontendmasters.com/courses/functional-javascript/>

* JavaScript design patterns

<https://addyosmani.com/resources/essentialjsdesignpatterns/book/>

**Day 7**

* JavaScript design patterns

<https://addyosmani.com/resources/essentialjsdesignpatterns/book/>

* EXTRA WORK #5

**Week 3**

**Day 1**

* Performance and service workers

<https://frontendmasters.com/courses/website-performance/>

**Day 2**

* Performance and service workers

<https://frontendmasters.com/courses/website-performance/>

<https://vimeo.com/163113209>

<http://www.html5rocks.com/en/tutorials/offline/whats-offline/>

<https://www.youtube.com/watch?v=d5_6yHixpsQ>

**Day 3**

* Performance and service workers

<http://www.html5rocks.com/en/tutorials/service-worker/introduction/>

<https://github.com/delapuente/service-workers-101>

<https://jakearchibald.com/2014/offline-cookbook/>

<https://www.youtube.com/watch?v=cmGr0RszHc8&feature=youtu.be>

**Day 4**

* N-queens problem

<https://en.wikipedia.org/wiki/Eight_queens_puzzle>

**Day 5**

* EXTRA WORK #6
* HTML5 API'S & socket.io

<https://frontendmasters.com/courses/realtime-html5-nodejs/>

**Day 6**

* HTML5 API'S & socket.io

<https://frontendmasters.com/courses/realtime-html5-nodejs/>

* Data visualization with D3

<https://frontendmasters.com/courses/interactive-data-visualization-d3-js/>

**Day 7**

* EXTRA WORK #7

**Week 4**

**Day 1**

* Backbone and TDD

<https://frontendmasters.com/courses/backbone-js-in-depth-testing-mocha-sinon/>

**Day 2**

* Backbone and TDD

<https://frontendmasters.com/courses/backbone-js-in-depth-testing-mocha-sinon/>

* Backbone and TDD

<https://addyosmani.com/backbone-fundamentals/>

**Day 3**

* Backbone and TDD

<https://addyosmani.com/backbone-fundamentals/>

**Day 4**

* MVC frameworks

[**https://frontendmasters.com/courses/javascript-frameworks-showdown**](https://frontendmasters.com/courses/javascript-frameworks-showdown)

**Day 5**

* MVC frameworks

[**https://frontendmasters.com/courses/javascript-frameworks-showdown**](https://frontendmasters.com/courses/javascript-frameworks-showdown)

**Day 6**

* ECMAScript 6

<https://frontendmasters.com/courses/jsnext-es6/>

* ECMAScript 6

<https://hacks.mozilla.org/category/es6-in-depth/page/2/>

**Day 7**

* ECMAScript 6

<https://hacks.mozilla.org/category/es6-in-depth/page/2/>

* ECMAScript 6

<https://www.youtube.com/watch?v=QnqFq-lcJ1I>

* EXTRA WORK #8

**Week 5**

**Day 1**

* Event loop

<http://blog.carbonfive.com/2013/10/27/the-javascript-event-loop-explained/>

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/EventLoop>

<https://www.youtube.com/watch?v=8aGhZQkoFbQ>

* Node.js

<https://frontendmasters.com/courses/organizing-javascript/>

**Day 2**

* Node.js

<https://frontendmasters.com/courses/organizing-javascript/>

<https://frontendmasters.com/courses/building-web-apps-with-node-js/>

**Day 3**

* Node.js

<https://frontendmasters.com/courses/building-web-apps-with-node-js/>

<https://frontendmasters.com/courses/api-design-nodejs/>

**Day 4**

* Node.js

<https://frontendmasters.com/courses/api-design-nodejs/>

**Day 5**

* Node.js

<https://frontendmasters.com/courses/api-design-nodejs/>

**Day 6**

EXTRA WORK #9

**Day 7**

EXTRA WORK #9

**Week 6**

**Day 1**

* Workflows and tooling

<https://frontendmasters.com/courses/workflows-and-tooling/>

**Day 2**

* Workflows and tooling

<https://frontendmasters.com/courses/workflows-and-tooling/>

* React & redux

<https://frontendmasters.com/courses/react/>

**Day 3**

* React & flux

<https://frontendmasters.com/courses/react/>

* React & flux

<https://code-cartoons.com/a-cartoon-guide-to-flux-6157355ab207#.z1qdiurb5>

**Day 4**

* React & flux

<https://frontendmasters.com/courses/modern-web-apps/>

**Day 5**

* React & flux

<https://frontendmasters.com/courses/modern-web-apps/>

**Day 6**

* React native & redux

<https://learnredux.com/>

* React native & redux

<https://code-cartoons.com/a-cartoon-intro-to-redux-3afb775501a6#.dpq4g7dk0>

* React native & redux

<https://frontendmasters.com/workshops/react-native/>

**Day 7**

* React native & redux

<https://frontendmasters.com/workshops/react-native/>

* EXTRA WORK #10

**Week 7**

* Solo project ( Do whatever you want in 40 h)

**Week 8**

**Day 1**

* Explain your project to others
* Listen other people about its creations
* Continue the project from an other person

**Day 2 - Day 7**

* Continue the project from an other person

**Week 9 - Week 10**

* Do a big project with another person

**Week 11 - Week 13**

* Do your final project with a group of three people
* Prepare for the job interview:

<https://frontendmasters.com/workshops/algorithms-data-structures-js/>

<http://www.hiredintech.com/>

<https://medium.com/javascript-scene/10-interview-questions-every-javascript-developer-should-know-6fa6bdf5ad95#.h43z51o6u>

* Practice ( sponsored challenges ) :

<https://www.codeeval.com/>

* Search for jobs:

<https://angel.co/>

<https://jobs.github.com/>

<https://www.glassdoor.com/index.htm>

<http://frontenddeveloperjob.com/>

<https://www.remotelyawesomejobs.com/>