

Resource Links

Free Documentation / Books

- Mozilla Developer Network (MDN)¹
- Node API²
- devdocs³
- jQuery API⁴
- Free programming books⁵
- MDN's Javascript Guide⁶
- Javascript Design Patterns⁷
- Large-scale architecture patterns⁸
- Eloquent Javascript⁹
- Douglas Crockford's writings¹⁰
- Javascript Garden¹¹
- HTML reference¹²
- CSS reference¹³

Tutorials/Guides

- codeschool¹⁴
- nodeschool¹⁵
- codecademy¹⁶

Videos

- Douglas Crockford's series¹⁷. Very worthwhile watching. More worthwhile videos on his page¹⁸.

¹<https://developer.mozilla.org/en-US/>

²<http://nodejs.org/api/>

³<http://devdocs.io/>

⁴<http://api.jquery.com/>

⁵<https://github.com/vhf/free-programming-books/blob/master/free-programming-books.html>

⁶<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide>

⁷<http://www.addyosmani.com/resources/essentialjsdesignpatterns/book/>

⁸<http://addyosmani.com/largescalejavascript/>

⁹<http://eloquentjavascript.net/>

¹⁰<http://www.crockford.com/javascript/>

¹¹<http://bonsaiden.github.io/JavaScript-Garden/>

¹²<https://developer.mozilla.org/en-US/docs/Web/HTML>

¹³<https://developer.mozilla.org/en-US/docs/Web/CSS>

¹⁴<https://www.codeschool.com/paths/javascript>

¹⁵<http://nodeschool.io/>

¹⁶<http://www.codecademy.com/>

¹⁷<http://www.yuiblog.com/crockford/>

¹⁸<http://www.crockford.com/javascript/>

- Crockford's 2007 series¹⁹, part 2²⁰, part 3²¹.

Non-free books worth considering

Some of these are accessible via your ACM membership. Search for their titles.

- Programming JavaScript Applications²².
- JavaScript: The Good Parts²³, a must have.
- Functional JavaScript²⁴.
- JavaScript: The Definitive Guide, 6th Edition²⁵, the course textbook and a solid reference.
- Head First JavaScript Programming²⁶
- Learning Node²⁷
- Javascript Patterns²⁸
- Principles of Object-Oriented Javascript²⁹
- Maintainable Javascript³⁰ highly recommended
- Testable Javascript³¹
- Javascript Testing Recipes³²
- Test-Driven JavaScript Development³³
- Async Javascript³⁴

Further reading

- Learn about the new ECMAScript 6³⁵
- Book on tooling³⁶
- High Performance JavaScript³⁷ (not free but very good)

¹⁹<https://www.youtube.com/watch?v=v2ifWcnQs6M>

²⁰<https://www.youtube.com/watch?v=Y2Y0U-2qJMs>

²¹<https://www.youtube.com/watch?v=DwYPG6vreJg>

²²<http://shop.oreilly.com/product/0636920033141.do>

²³<http://shop.oreilly.com/product/9780596517748.do>

²⁴<http://shop.oreilly.com/product/0636920028857.do>

²⁵<http://shop.oreilly.com/product/9780596805531.do>

²⁶<http://shop.oreilly.com/product/0636920027065.do>

²⁷<http://shop.oreilly.com/product/0636920024606.do>

²⁸<http://shop.oreilly.com/product/9780596806767.do>

²⁹<http://shop.oreilly.com/product/9781593275402.do>

³⁰<http://shop.oreilly.com/product/0636920025245.do>

³¹<http://shop.oreilly.com/product/0636920024699.do>

³²<http://jstesting.jcoglan.com/>

³³<http://tddjs.com/>

³⁴<https://pragprog.com/book/tbajs/async-javascript>

³⁵<https://leanpub.com/understandings6/read>

³⁶<https://github.com/tooling/book-of-modern-frontend-tooling>

³⁷<http://shop.oreilly.com/product/9780596802806.do>