

# #JAVASCRIPT30

## 30 DAY VANILLA JS CODING CHALLENGE

BUILD 30 THINGS IN 30 DAYS WITH 30 TUTORIALS

NO FRAMEWORKS × NO COMPILERS × NO LIBRARIES × NO BOILERPLATE

\$0<sup>00</sup>  
FREE

### What You'll Get

- Instant Access to all 30 videos
- 30 days of Starter Files
- Completed HTML, CSS and JS Solutions for each day

**START THE CHALLENGE TODAY!**

Email Address

Join 647,279 Others



I agree to the [Terms](#) and [Privacy Policy](#)

SIGN UP TO GET IMMEDIATE ACCESS TO THE COURSE DASHBOARD  
YOU'LL GET ALL 30 DAYS AT ONCE SO YOU CAN BINGE WATCH **NETFLIX STYLE.**

# THERE IS NO FORMATION WITHOUT REPETITION,



So, you've done a few courses and read a few books but still don't feel great about your relationship with JavaScript.

How do you get better?

Build things. Lots of things. Build 1,000 things. Keep it up and don't stop. Seriously.

This has always been my advice. Just put in the work and you will get better.

But Wes, what should I build? I have no ideas!  
Please don't make me do another todo app.

Ideas, Eh? I've got lots! This is JavaScript30 —  
let's build 30 things together.

## WHO IS THIS FOR?

Beginner to Intermediate developers and designers who want to become comfortable with both JavaScript fundamentals and working in the DOM without a library.

*You should already know some JavaScript to start* - This isn't a JavaScript 101 course. If you are new to JavaScript, or want to just get comfortable with the fundamentals, I'd recommend you take my [BeginnerJavaScript.com](#) course - use the code **JAVASCRIPT30** for an extra \$10 off.

We learn by application - encountering many new situations while talking about the hows, the whys and the whats that we use to solve them.

We steer clear of opinionated design patterns, frameworks, libraries and any type of abstraction. These things are great and often needed, but can obstruct learning and constrain initial understanding.

These tutorials rely heavily upon browser APIs, most of which involve interaction with the page. If you are stuck in `console.log()` land, these videos are your next step. Oh, the stuff we build is really fun!

## WES, HOW IS THIS FREE?

These videos are free as a thank-you to everyone who has supported my premium courses as well as because I believe in giving back to the community. I see a huge need for these

videos and I really think it will help many of you become comfortable creating with JavaScript.

While I've spent over 300 hours on JavaScript30, enough people find they really click with my teaching style and continue their learning with one of my premium courses. It all works out!

## HEY, I'M WES BOS



### MEET WES BOS

Wes Bos is a Full Stack Developer, Speaker and Teacher from Canada. He is a course creator, works as an independent web developer and is the co-host of Syntax - a popular web development podcast. Wes has taught over 500 students in 200+ classes and spoken at dozens of conferences around the world.

Wes wrote his own bio in the third person for some reason.

Wes is the author of React For Beginners, Advanced React and GraphQL, ES6 for Everyone and Learn Node which together have sold over 55,000 copies. He is also the author of JavaScript30.com, CSSGrid.io, Flexbox.io and Command Line Power User, a set of free video series. 300,000 people have taken at least one of Wes' free video courses.

Follow @wesbos

## 30 DAYS ✖ 30 VIDEOS

**Accessible and ESL friendly!** Closed Captions are provided for every video. Captions done by Speechpad.



## JAVASCRIPT DRUM KIT

DOM & INTERFACE  
FRIENDS WITH CSS  
AUDIO + VIDEO



## CSS + JS CLOCK

FUNDAMENTALS  
FRIENDS WITH CSS



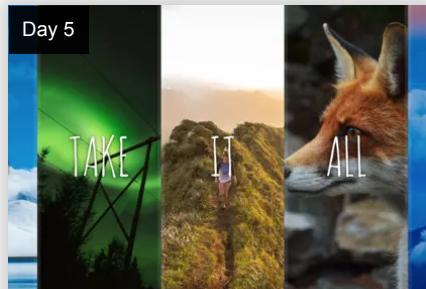
## PLAYING WITH CSS VARIABLES AND JS

FRIENDS WITH CSS  
FUN + EXPERIMENTAL

Day 4 `totype.filter()`  
1. Filter the list of inventors for those who were born before 1900.  
`const fifteen = inventors.filter(inventor => (inventor.born < 1900));`  
`console.table(fifteen);`  
2. Give us an array of the inventory first and last names.  
`const fullNames = inventors.map(inventor => `${inventor.firstName} ${inventor.lastName}`);`  
`console.log(fullNames);`

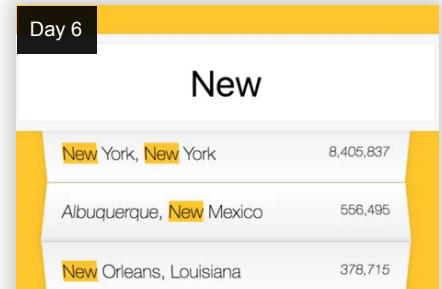
## ARRAY CARDIO DAY 1

FUNDAMENTALS



## FLEX PANELS IMAGE GALLERY

FRIENDS WITH CSS  
DOM & INTERFACE



## AJAX TYPE AHEAD

DOM & INTERFACE

Day 7  
`const newComments = [`  
`...comments.slice(0, index)`  
`...comments.slice(index + 1, comments.length)];`

## ARRAY CARDIO DAY 2

FUNDAMENTALS



## FUN WITH HTML5 CANVAS

FUN + EXPERIMENTAL



## 14 MUST KNOW DEV TOOLS TRICKS

FUNDAMENTALS

Day 10 Click one item

- Hold down your Shift key
- Check a lower item
- Everything inbetween should also be set to checked

## HOLD SHIFT TO CHECK MULTIPLE CHECKBOXES

DOM & INTERFACE

Day 13 laborum nam! Fuga ad tempora in as  
quibusdam dolores sunt esse magni, ut, dignissimos



## SLIDE IN ON SCROLL

DOM & INTERFACE

Day 16

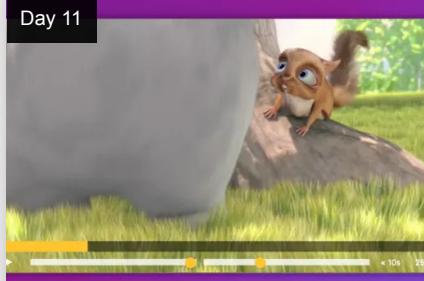


## CSS TEXT SHADOW MOUSE MOVE EFFECT

DOM & INTERFACE

FRIENDS WITH CSS

Day 11



## CUSTOM HTML5 VIDEO PLAYER

AUDIO + VIDEO

Day 12

```
ddEventListener('keyup', (e) => {
  const secretCode = 'DING DONG';
  const code = e.key;
  if (secretCode.length === code.length) {
    const pressed = code.split('');
    if (pressed.join('').includes(secretCode)) {
      console.log('DING DING!');
    }
  }
});
```

## KEY SEQUENCE DETECTION (KONAMI CODE)

FUNDAMENTALS

Day 14

```
' or use the new ES6 Spread Operator
const team4 = [...players];
team4[3] = 'heeee hawww';
console.log(team4);
```

## OBJECT AND ARRAYS - REFERENCE VS COPY

FUNDAMENTALS

Day 15

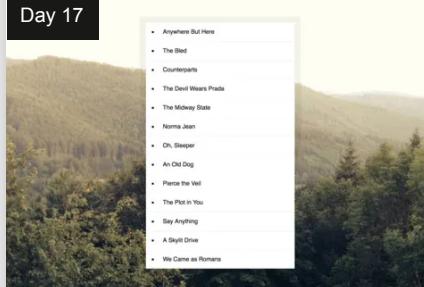


## LOCALSTORAGE AND EVENT DELEGATION

FUNDAMENTALS

DOM & INTERFACE

Day 17



## SORTING BAND NAMES WITHOUT ARTICLES

FUNDAMENTALS

```
const timeNodes = Array.from(document.querySelectorAll('.time-node'));
const seconds = timeNodes.map(node => node.dataset.time);
seconds.sort();
map(timeCode => {
  const [mins, secs] = timeCode.split(':');
  return `${mins}m ${secs}s`;
});
```

## TALLY STRING TIMES WITH REDUCE

FUNDAMENTALS



## UNREAL WEBCAM FUN

HARDWARE ACCESS

FUN + EXPERIMENTAL

AUDIO + VIDEO

Day 19

Day 20 of hashtag JavaScript 30 we're going to build a speech recognition application

is so much fun and I can't wait for everybody to have a chance to take it

you soon

## NATIVE SPEECH RECOGNITION

AUDIO + VIDEO

FUN + EXPERIMENTAL

Day 21

192

Optimize rendering for window scale  
Color Clipped Layers  
Color Cut-off  
Color Misaligned Images  
Color Offscreen-Rendered  
Open System Log...  
Trigger iCloud sync  
Location

## GEOLOCATION BASED SPEEDOMETER AND COMPASS

HARDWARE ACCESS

Day 22

Order Status    Tweets    Read Our History

ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

## FOLLOW ALONG LINKS

DOM & INTERFACE

FRIENDS WITH CSS

Day 23

The Voicinator 5000

Alex (en-US)

Rate:

Pitch:

Hello! I love JavaScript.

Stop! Speak

## SPEECH SYNTHESIS

FUN + EXPERIMENTAL

AUDIO + VIDEO

Day 24

HOME ABOUT

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

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Etiam non quam id ante lacinia posuere. Nullam ac nisl vel massa tincidunt posuere. Sed euismod, nunc id blandit ultricies, nisl nisi egestas nisl, id tincidunt nisl nisl id nisl.

## STICKY NAV

DOM & INTERFACE

FUNDAMENTALS

FRIENDS WITH CSS

Day 25

```
div.addEventListener('click', false, event => { eventListener('click', () => { console.log('click!!!'); }) })
```

## EVENT CAPTURE, PROPAGATION, BUBBLING AND ONCE

DOM & INTERFACE

Day 26

About Me Courses

Wes Bos sure does love web development. He teaches things like JavaScript, CSS and BBQ. Wait. BBQ isn't part of web development. It should be though!

## STRIPE FOLLOW ALONG DROPODOWN

DOM & INTERFACE

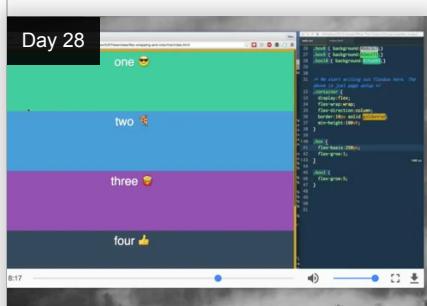
FUN + EXPERIMENTAL

Day 27

## CLICK AND DRAG TO SCROLL

DOM & INTERFACE

FUNDAMENTALS



## VIDEO SPEED CONTROLLER UI

AUDIO + VIDEO

FUN + EXPERIMENTAL

Day 29    QUICK 15    SNACK 20    LUNCH BREAK    Enter Minus

14:53  
Be Back At 10:49

COUNTDOWN  
CLOCK

FUNDAMENTALS  
FRIENDS WITH CSS



## WHACK A MOLE GAME

DOM & INTERFACE

FRIENDS WITH CSS

FUN + EXPERIMENTAL

## FAQ

### WHAT FONT / COLOR SCHEME / EDITOR / TERMINAL IS THAT?

I answer everything over at [wesbos.com/uses](http://wesbos.com/uses). Feel free to [tweet me](#) any more questions!

### I HAVE A QUESTION, CAN I EMAIL YOU?

While I'd absolutely love to help everyone out, there are 647,279 people taking this course. I hope to get a forum setup sometime soon. If you are a member of one of my premium classes, you can jump into the #JavaScript30 room in our Slack channel.

### I FOUND ANOTHER WAY! COULD IT BE?!

Yes! There are probably 100 different ways to solve each of these exercises, if your answer doesn't line up with mine, it means you did a really good job at trying to figure it out yourself. My answers are by no means the best answers - just a single way of doing it. Instead of emailing me - write a blog post about how you did it. Share what you know!

### I LOST, DELETED OR NEVER GOT MY WELCOME EMAIL! WHAT DO I DO?

Log into [your account](#), or create an account with the same email you used to get the series.

## CAN I HOST A MEETUP / STUDY GROUP? CAN I STREAM THESE IN MY CLASSROOM? CAN I ARRANGE A PLAYING?

Yep yep yep - as long as you do not redistribute the videos you are welcome and encouraged to do this.

## CAN I RE-DISTRIBUTE THESE AND THEN CHARGE MONEY FOR THEM?

I can't believe I have to make this a FAQ. No, you silly goose.

## I FOUND A TYPO OR ERRATA

If it's a typo on the site, please shoot me an email [here](#). If it's a correction in the code, you can submit those via GitHub! Please see the above FAQ if you found a better way.

## WHAT IS THAT GNARLY AF TUNE AT THE START? 🎧🎸🤘

So good! [The Divided - For Tonight We're Strangers](#). Used with permission of course.

## YOU SAY JAVASCRIPT FUNNY

um, I think you mean I say it the correct way! eh?

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