

# #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 647,278 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.

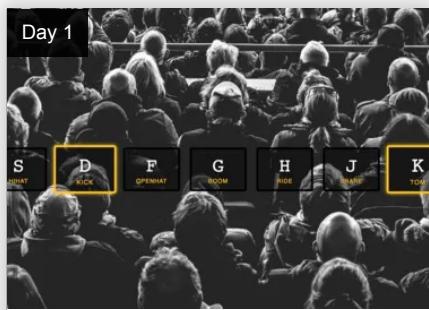
Wes wrote his own bio in the third person for some reason.

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](#)



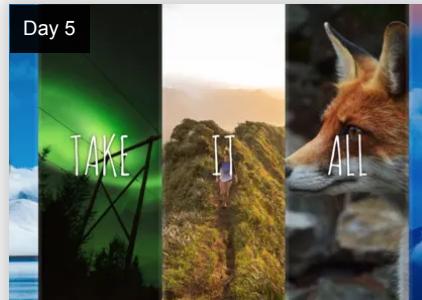
## PLAYING WITH CSS VARIABLES AND JS

[FRIENDS WITH CSS](#)  
[FUN + EXPERIMENTAL](#)

Day 4 `totype.filter()`  
1. Filter the list of inventors for those who were born first  
`fifteen = inventors.filter(inventor => {inventor.born < 15})`  
`console.table(fifteen);`  
  
2. Give us an array of the inventory first and last names  
`fullNames = inventors.map(inventor => `${inventor.firstName} ${inventor.lastName}`)`  
`console.log(fullNames);`

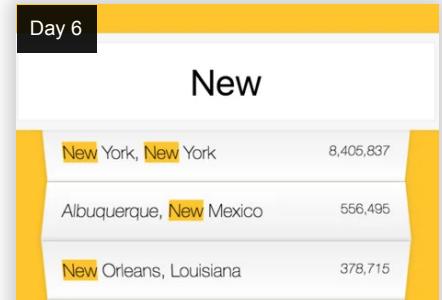
## ARRAY CARDIO DAY 1

[FUNDAMENTALS](#)



## FLEX PANELS IMAGE GALLERY

[FRIENDS WITH CSS](#)  
[DOM & INTERFACE](#)

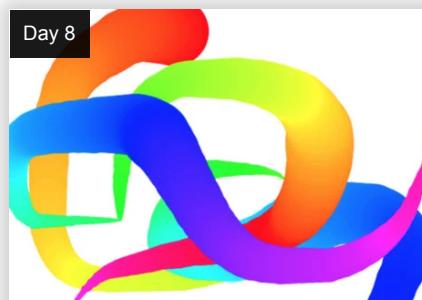


## AJAX TYPE AHEAD

[DOM & INTERFACE](#)

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

## ARRAY CARDIO DAY 2



## FUN WITH HTML5 CANVAS

Day 9  
This is Snickers  
Snickers is 2 years old  
Snickers is 14 dog years old  
ugo  
This is hugo  
hugo is 8 years old  
hugo is 56 dog years old  
les: 1  
les: 2

## 14 MUST KNOW DEV TOOLS TRICKS

## FUNDAMENTALS

Day 10

Check one item

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

## HOLD SHIFT TO CHECK MULTIPLE CHECKBOXES

### DOM & INTERFACE

Day 13

a, adipisci veritatem in reiciendis aut asper laborum nam! Fuga ad tempora in as quiibusdam dolores sunt esse magni, ut, dignissimos



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Vo  
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## SLIDE IN ON SCROLL

### DOM & INTERFACE

Day 16



## CSS TEXT SHADOW MOUSE MOVE EFFECT

## FUN + EXPERIMENTAL

Day 11



## CUSTOM HTML5 VIDEO PLAYER

### AUDIO + VIDEO

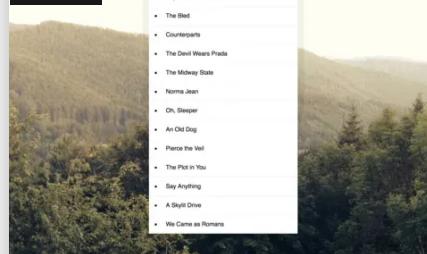
Day 14

' 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 17



## SORTING BAND NAMES WITHOUT ARTICLES

## FUNDAMENTALS

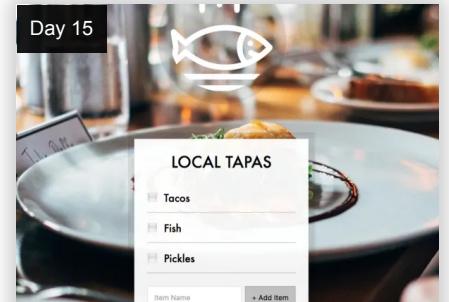
Day 12

```
addEventListener('keyup', (e) => {
  secretCode.push(e.key);
  secretCode.splice(-secretCode.length, 1);
  if (secretCode.join('').includes(secretCode.join(''))) {
    console.log('DING DING!');
  }
});
```

## KEY SEQUENCE DETECTION (KONAMI CODE)

### FUNDAMENTALS

Day 15



## LOCALSTORAGE AND EVENT DELEGATION

### FUNDAMENTALS

### DOM & INTERFACE

Day 18

```
timeNodes = Array.from(document.querySelectorAll('.time-node'))  
const seconds = timeNodes.map(node => node.dataset.time).map(timeCode => {  
  const [mins, secs] = timeCode.split(':');  
  return Number(mins) * 60 + Number(secs);  
});
```

## TALLY STRING TIMES WITH REDUCE

## DOM & INTERFACE

## FRIENDS WITH CSS



## UNREAL WEBCAM FUN

### HARDWARE ACCESS

### FUN + EXPERIMENTAL

### AUDIO + VIDEO

## FUNDAMENTALS

Day 19

Day 20

Day 20 or 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

## FUNDAMENTALS

Day 21

Optimize rendering for window scale  
Color Blended Layers  
Color Copied Images  
Color Copied Text  
Color Offscreen Rendered



## GEOLOCATION BASED SPEEDOMETER AND COMPASS

### HARDWARE ACCESS

Day 22



## FOLLOW ALONG LINKS

### DOM & INTERFACE

### FRIENDS WITH CSS

Day 23

## The Voicinator 5000



## SPEECH SYNTHESIS

### FUN + EXPERIMENTAL

### AUDIO + VIDEO

Day 24

HOME

ABOUT

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## STICKY NAV

### DOM & INTERFACE

### FUNDAMENTALS

### FRIENDS WITH CSS

Day 25

```
div.addEventListener('click', () => {  
  console.log('Click!!!');  
  
  event.stopPropagation();  
  
  document.addEventListener('click', () => {  
    console.log('Click!!!!');  
  });  
});
```

## EVENT CAPTURE, PROPAGATION,

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

Day 27



## CLICK AND DRAG TO SCROLL

## BUBBLING AND ONCE

DOM & INTERFACE



## VIDEO SPEED CONTROLLER UI

AUDIO + VIDEO

FUN + EXPERIMENTAL

DOM & INTERFACE

FUN + EXPERIMENTAL



## COUNTDOWN CLOCK

FUNDAMENTALS

FRIENDS WITH CSS

DOM & INTERFACE

FUNDAMENTALS



## 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 647,278 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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