**1. CSS Diner**

[CSS Diner(opens in a new tab)](https://flukeout.github.io/) is a simple but fun way to learn CSS for beginner coders. There are 32 levels that will teach you the basics of how CSS selectors work. Each level of this free coding game gets progressively more complex — like a real video game — building on what you’ve learned in previous lessons. By the end of CSS Diner, you’ll be a CSS selectors expert.

**2. Flexbox Froggy**

Want to learn how CSS Flexbox works? Check out [Flexbox Froggy(opens in a new tab)](http://flexboxfroggy.com/). It has a simple interface that teaches you the basics of how things align in Flexbox while you help Froggy and his friends — save Froggy and be a CSS Flexbox expert at the same time.

**3. Flexbox Defense**

[Flexbox Defense(opens in a new tab)](http://www.flexboxdefense.com/) is another great way to practice your Flexbox skills with a programming game. This time, you’ll move gun towers into position along a path to defeat oncoming waves of enemies, using the same kinds of commands as Flexbox Froggy.

## 4. CodeCombat

[CodeCombat(opens in a new tab)](https://codecombat.com/) is aimed at teachers and students, but anyone can play. Learn Python, JavaScript, CoffeeScript, or the Lua game scripting language. On the beginner Dungeon level, you’ll move your Hero through the programming game using some basic commands according to the tutorial alongside the game.

## 5. Untrusted

[Untrusted(opens in a new tab)](https://alexnisnevich.github.io/untrusted) is a meta-JavaScript adventure game that tests your JavaScript skills to solve problems. You use JavaScript to guide Dr. Eval through a machine continuum and alter his reality to move between levels. It’s a free fun game for practicing more complex JavaScript skills.

## 6. Code Hunt

[Code Hunt(opens in a new tab)](https://www.microsoft.com/en-us/store/p/code-hunt-game/9nblggh6d0gs) teaches you coding in a unique way. To play, you identify code fragments, analyze them, modify code to match the fragments, and then capture the working code fragment. You can use it to learn Java or C#.

## 7. Robocode

If you’ve ever watched the show BattleBots, then [Robocode(opens in a new tab)](http://robocode.sourceforge.net/) is for you. You’ll learn programming skills by building virtual robot battle tanks in Java or .NET. Battles are then played out onscreen in real time.

## 8. CheckIO and Empire of Code

[CheckIO(opens in a new tab)](https://checkio.org/) and [Empire of Code(opens in a new tab)](https://empireofcode.com/) are both strategy games that can teach you JavaScript or Python, two fundamental coding languages to learn. Empire of Code uses a space setting and you learn by defending your own base and attacking others, while CheckIO lets you improve your skills by using others’ solutions.

## 9. Cyber Dojo

[Cyber Dojo(opens in a new tab)](http://www.cyber-dojo.org/) has practice exercises and challenges for dozens of programming languages including Ruby, JavaScript, PHP, Python, and more. Each exercise spells out a challenge to complete with an example showing what the end result should look like. It’s a great way to practice your coding skills.

## 10. Elevator Saga

[Elevator Saga(opens in a new tab)](http://play.elevatorsaga.com/) tests your JavaScript knowledge with challenges related to moving an elevator and transporting people in the most efficient manner possible. It starts out with a challenge to move 15 people in less than a minute, with challenges getting progressively harder from there.

## 11. Code Wars

[Code Wars(opens in a new tab)](https://www.codewars.com/) helps you improve your skills by training in challenges with others. They offer a huge variety of programming languages, including JavaScript, Swift, PHP, Python, Ruby, and Haskell. You’ll have to prove your skills first with a basic test of your understanding of the language you want to practice.

Want to get started learning to code so that you can make your own games that make other coders jealous (without a computer science degree)? Check out [Skillcrush’s Break Into Tech course](https://skillcrush.com/break-into-tech-blueprint) to start your journey in the wonderful world of tech.