**Free Websites to Teach Coding**

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| **Name** | **Description** |
| **Code.org**  <https://code.org/educate> | **Type:** Block  **Level:** Pre K and up  Code.org is a great resource for getting started with coding whether you are doing a Hour of Code program or starting a club. They have tons of Hour of Code tutorials that are great for any type of one-off program. This year they also had a lot of partners join them. If you are looking at more of a club setting, you can also use one of the courses.  I would recommend Code.org as an introductory resource for a club or one time program. It is a great free resource to share as well. |
| **Made with Code**  <https://www.madewithcode.com/> | **Type:** Block  **Level:** 2nd and up  Made with Code is great for showing people that coding is more than video games and websites. It uses similar block tutorials that you would find on code.org. They also have some fantastic [videos](https://www.youtube.com/user/madewcode) you can share. Who would have thought that coding could be connected to fashion, dance, and so much more?  I would recommend Made with Code as more of introductory resource. It is a great way to get started, and something people can use at home on their own. |
| **Scratch**  <https://scratch.mit.edu/> | **Type:** Block  **Age:** 2nd grade and up  Scratch allows users to create animations using drag and drop coding blocks. Typically if a student has been introduced to coding or takes up learning to code on their own, Scratch is where they start. Scratch does provide how-to guides that can be helpful if you are trying to learn a specific skill within the program. It is designed more as an exploratory program though, rather than learning to code step-by-step.  If you are looking at using Scratch, I would recommend taking a look at Google CS First, especially if you are looking at using it in a club setting. If you want something kids may already be familiar with and can just explore, Scratch is a good fit. |
| **Google CS First**  <https://www.cs-first.com/en/home> | **Type:** Block (Scratch)  **Level:** 2nd and up  If you are looking for a ‘curriculum’ that is laid out for you, Google CS First may be what you are looking for. They have multiple themes to select from (art, music, games). The weekly lessons are designed to be an hour long, but based on feedback from other people you need a little longer than that. You can see what types of projects students create [here](https://scratch.mit.edu/studios/661358/).  I would recommend Google CS First if you are looking at doing a weekly or every other week program, especially if you are looking at using Scratch anyway. |
| **Khan Academy**  <https://www.khanacademy.org/hourofcode> | **Type:** Text-based  **Level:** 4th grade and up  Khan Academy has three Hour of Code tutorials that introduce basic HTML and CSS, JavaScript and SQL. Everything students need is right there, and they can work through the lessons independently. In addition to the Hour of Code tutorials, Khan Academy has several other tutorials on [computer programing](https://www.khanacademy.org/computing/computer-programming) and [computer science](https://www.khanacademy.org/computing/computer-science). They also have a [video series](https://www.khanacademy.org/computing/computer-programming/meet-the-computing-professional/v/welcome-meet-the-computing-professional) about what you can do with a computer science degree.  I would recommend Khan Academy if you have student who might be ready for the next level but still needs a little guidance. It is broken down step-by-step which is helpful. It is also a great tool if students want to work on something between meetings or coding events. |
| **Codecademy**  <https://www.codecademy.com/> | **Type:** Text-based  **Level:** Middle School and up  If you are ready to move beyond block coding, Codecademy might be a good place to start. You can learn HTML, CSS, JavaScript, PHP, Ruby, and more. Everything is self-paced, and everything is really laid out well. You would act more as a facilitator than an instructor.  I would recommend Codeacademy if you are working with teens or adults. I do think they need at least a foundational understanding of what coding is before starting Codecademy though. |
| **Code Avengers**  <https://www.codeavengers.com/python/100#1.1> | **Type:** Text-based  **Level:** Middle school and up  Code Avengers only has some elements that are free because of Hour of Code. I wanted to include it though, because it has been recommended to me by several people. Their Hour of Code tutorial does introduce Python.  I would recommend exploring if you have a bit of a budget available or possibly just trying out something new for a month. |