HOW TO GET COMPUTER PROGRAMMING **SUPERPOWERS**

**Beginner**

* Practice your typing skills
* Ask an adult to teach you online etiquette and safety
* Learn how to use Microsoft Word, Excel, and PowerPoint

**Intermediate**

* Research how a computer works
* Research what code is and what it could be used for
* With adult supervision, visit the website <https://hourofcode.com/us> and complete an hour of code!
* Practice precision questioning (in all your classes!)
* Learn about different web browsers (Chrome, Firefox, Safari, Internet Explorer)

**Advanced**

* Research future technology trends
* Learn programming languages like HTML5/CSS3, Javascript, and Python on codeacademy.com (age 13+)
* Learn about Application Programming Interfaces (APIs) and Integrate Desktop Environments (IDEs)
* Code your first app from what you have learned!
* OPTIONAL: Join a robotics or programming club

**Additional Resources – Check these out with permission from your parents to learn more!**

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| **WEBSITE** | **PURPOSE** | **COST** | **LEVEL** |
| [www.pluralsight.com/kids-courses](http://www.pluralsight.com/kids-courses) | Tutorials for kids in various languages | FREE | Beginner |
| [www.code.org](http://www.code.org) | Provider of hour of code with additional resources | FREE | Intermediate – Adult Supervision |
| <https://www.khanacademy.org/computing/computer-programming> | Learn programming languages and topics with free courses | FREE | Advanced |
| [www.codeacademy.com](http://www.codeacademy.com) | Learn to code programming tutorials | FREE | Advanced (Age 13+) Account Required |
| [www.w3schools.com](http://www.w3schools.com) | Learn basics of programming languages through tutorials | FREE | Intermediate to Advanced – Adult Supervision |