

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 codecademy.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!

WEBSITE	PURPOSE	COST	LEVEL
www.pluralsight.com/kids-courses	Tutorials for kids in various languages	FREE	Beginner
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.codecademy.com	Learn to code programming tutorials	FREE	Advanced (Age 13+) Account Required
www.w3schools.com	Learn basics of programming languages through tutorials	FREE	Intermediate to Advanced – Adult Supervision