

plugged in 

by *Marcie Taylor*

Learn to code

By the year 2020, there will be 1.3 million computing jobs and only 400,000 computer science students to fill them, according to data from the Bureau of Labor Statistics. “This is a problem, especially since only one out of 10 high schools offer computer science courses,” says Areen Ibrahim Saffari, vice president of strategic partnerships at ID Tech, which has two O.C. offices. “Today’s kids simply aren’t prepared for the future... Coding will only become more prevalent and part of our society, so it’s critical to teach students how to understand logic-based thinking.”

We are all creators of technology, but what if the kids who are friends of in technology could become creators of it as well? Raj Sheela, lead instructor at codeCampus Academy in Costa Mesa, says, “Learning how to code isn’t just about making apps or games — It’s about learning how the world works, and how to use our logic to improve it. The world is increasingly driven by technology, and understanding how that technology works is as crucial to our children’s success as learning how to read or math. Critical thinking or chemistry. Not every child needs to grow up to be a programmer, but every child needs to be equipped with the skills to excel and innovate in whatever future they choose for themselves.”

The act of coding is another language that would be beneficial for children to learn. You can sign your kids up for a free course online through sites like Code.org or Khan Academy or enroll in a class or camp.



Khan Academy

Khan Academy

Khanacademy.org offers instructional videos, practice exercises and other educational content on topics including history, math, science, economics, and computer programming. Create an account for free. The computer programming module provides introductions to languages such as Java Script, HTML, CSS and SQL. You can learn how to create drawings, animations, games and Web pages.

[khanacademy.org/oc](#)



ID Tech

ID Tech offers summer day camps and overnight camps for kids ages 6-12 and teens ages 13-16 on campuses around the country, and at the University of California, Berkeley and MIT. Each camp offers stimulating science and small class sizes to students per instructor. ID Tech offers programs in both Orange and Los Angeles counties. At UC Irvine, the ID Programming Academy and ID Game Design and Development Academy are two-week, teen and pre-teen immersive programs. At University High School in Irvine, ID Tech will be available for sailing, racing, tennis, badminton, and more. [idtech.com](#)



codeCampus Academy

CodeCampus Academy in Costa Mesa offers computer game-design courses to students in second to eighth grades. This spring, the academy plans to introduce courses on mobile app development and artificial intelligence and even robotics and artificial intelligence for older students. Instructor Raj Sheela says, “Our goal is to make computer science as fun, engaging and inspiring for our students as possible, and to make them feel confident about coding as they move into high school and college.” Sid is the creator of Code Monkey Island, a board game that introduces children to coding as a fun and natural programming concept. [khanacademy.org/oc](#)

Code.org

Code.org is a nonprofit organization dedicated to spreading the word about and providing access to computer science. Launched in 2013, Code.org postulates that computer science should be part of the core curriculum alongside history or algebra, and that “every student in every school should have the opportunity to learn computer science.” The website and the courses are free. Click on the Code.org website and find online courses or visit by Code.org. There are 30-hour courses for computer science. Fundamentals offered for various age groups. [code.org](#)



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PBS KIDS Scratch Jr.

PBS KIDS just released a free app to help kids learn to code. Users can create their own interactive stories and games featuring some of their favorite PBS characters. Designed for kids ages 5-8, the app has the potential to help kids learn to solve problems, design projects and express themselves creatively. Found in the App Store and Google Play.