

QD Academy, Rock Coder Academy

2018 Summer Camp - Kids Computer science k-12

Introduction Kids Programming helps children develop problem-solving, critical thinking, logical thinking, self-confidence, and communication skills. Do you wish your kids could do something more productive? Why not get them to learn a lifetime rewarding skill that will benefit them in all areas of real life? This summer computer coding program is recommend to the parents who are looking for their kids to succeed by learning something useful, that helps young people learn to think creatively, reason systematically, and work collaboratively — essential skills for life in the 21st century.

Program Group 1 : Beginner - An Introduction to Scratch Programming This class highlights the sprite of learning to program with Scratch developed by MIT lab, which inspires young people to apply digital technologies in imaginative and innovative ways. The curriculum includes programming theorems, and project engaging computer activities divided by grade level with hands-on learning and instruction in a fun, supportive environment. Learning Scratch is more than learning a piece of software, it is part of a broader computer science educational mission where young people can develop themselves in the creative way.

Group 2 : Intermediate – Python Programming & Game Development Python is a great and friendly language to use and learn. This course will be the quick way to understand all major concepts of Python programming. It won't matter even if you haven't touched coding before, the easy step-to-step lectures will quickly guide you through everything you'll need to know about coding, mainly Python. We will also introduce how to create nine exciting games using the wildly popular game creation tool and advance scratch, including action, adventure, and puzzle games complete with professional quality sound effects and visuals which can be applied to developing games that are more fun to learn and play.

It is recommended, however, for beginning students to take the Scratch course before the Python course in order to have a good foundation of programming knowledge.

Goal The goal of our program is to make children become active and creative learners, learn a new way of thinking – called computation thinking to analyze in the way to program on computers. Our curriculum is incredibly fun AND educational, focusing on strengthening computer science concept. We provide computer. No need to bring your own, just show in class and we provide everything your child need. We also provide programmable Robot Kit for kid to get hands-on experience about robotics programming, which is an all-in-one solution for robotics learning and designed for STEM education.

Tuition 8 sessions, 90 minutes / class, \$28 / class, book & handout \$15

total $\$28 \times 8 + \$15 = \$239$ There's an additional 10% off tuition each extra sibling that registers.

Summer Camp Program Director: Tori Cheng, Bachelor Degree in Computer Science, Wu Han University, Master Degree in Computer Science, Loyola Marymount University, Los Angeles. Founder Creative Design of Websites, LLC. Tori Cheng is a proven, self-motivated professional with many years of successful experience in IT Industry and training field, she published hundreds of website such as US Community well known websites - Today America, Dallas Chinese Daily, Houston Southern News Group Yellow Pages etc.

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