

Remote Learning Enrichment Resources for Computer Science

The following links have been identified or created by the SCOE Career & Technical Education and Curriculum & Instruction teams as resources that may be helpful for distance learning. Resources are listed below in order to provide access to information. The inclusion of a resource is neither an endorsement nor a recommendation by SCOE. Schools and districts should review the resource and determine its appropriateness for their students, including making appropriate considerations and agreements to ensure student privacy.

Resources for Other Subjects: <https://www.scoe.net/covid19/resources/>

Audience	Grades	Description	Link
Teachers	K–12	Computer Science Teachers Association Distance Teaching Resources provides a comprehensive set of resources to teachers who are be supporting their students remotely.	https://csteachers.org/page/csta-compiled-resources-to-support-teaching-during-covid-19/
Teachers, families, caregivers, students	K–12	Code.org Code Break - With schools closed and tens of millions of students at home, Code.org is launching Code Break — potentially the world's largest live interactive classroom with weekly challenges to engage students of all abilities, even those without computers.	https://code.org/break
Teachers, families, caregivers, students	K–12	Hour of Code provides filters for users to find computer science activities that are grade-appropriate and align with the California K-12 Computer Science Standards.	https://hourofcode.com/us/learn
Students	2–8	Code.org's Minecraft Tutorials Learn the basics of coding and explore AI with your students using Minecraft!	https://code.org/minecraft
Teachers, families, caregivers, students	4–8	Google CS First is a free computer science curriculum that makes coding easy to teach and fun to learn. CS First features one-hour lessons, as well as multi-day projects.	https://csfirst.withgoogle.com/content-suggestion

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Students	K–12	Blockly Games include a series of educational games that teach programming. It's designed for children who have not had prior experience with programming. By the end of these games, players are ready to use conventional text-based languages.	https://blockly.games/
Teachers, families, caregivers, students	K–12	UC Davis C-STEM Center - All K-12 teachers and students affected by closures can get free access to RoboBlockly, C-STEM Studio, and Ch Professional for learning math and CS with robotics.	https://c-stem.ucdavis.edu/teachers-administrators/distance-learning/
Teachers, families, caregivers, students	3–12	Girls Who Code - At Home will release activities weekly — some online, some offline, of varying levels of difficulty— over the course of the next few months. Each activity will include a feature of a woman in tech who pioneered innovative technology.	https://girlswhocode.com/code-at-home/
Teachers, families, caregivers, students	3–8	Raspberry Pi's Code Club features step-by-step instructions for our coding projects, which will teach you how to create games, animations and more with code.	https://projects.raspberrypi.org/en/codeclub
Teachers, families, caregivers, students	K–12	CS Unplugged a collection of free learning activities that teach Computer Science through engaging games and puzzles that use cards, string, crayons and lots of running around.	https://csunplugged.org/en/
Students	2–4	BBC Dancemat is not specifically computer science, but a great digital literacy skill. BBC Dancemat is fantastic for our younger kids to practice typing. Each section should take approximately 15 minutes.	https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr
Students	9–12	Codecademy Pro is a premium service that can be accessed at no cost through a scholarship provided by the company. Learn multiple programming languages through real-world projects.	https://pro.codecademy.com/learn-from-home/

Distance Learning and Digital Literacy Resources

Audience	Grades	Description	Link
Teachers	Pre-K–12	Google Teach From Home is a temporary hub of information and tools to help teachers during the coronavirus (COVID-19) crisis.	https://teachfromhome.google/intl/en/
Teachers	Pre-K–12	Google COVID-19 Support Resources provides additional resources that compliment the Teach From Home hub.	https://edu.google.com/latest-news/covid-19-support-resources/?modal_active=none
Teachers, families, caregivers, students	2–6	Google Be Internet Awesome features an interactive game that teaches kids the fundamentals of digital citizenship and safety so they can explore the online world with confidence.	https://beinternetawesome.withgoogle.com/en_us/https://beinternetawesome.withgoogle.com/en_us/
Students	3–12	Typing.com is not specifically computer science, but a great digital literacy skill. consider 20 minutes a day, it can make a huge difference.	https://www.typing.com/