



STEMworks – STEM Advisory Council’s Approved STEM Program

December 2018

(Rev. October 2019)

UTeach Computer Science

PROGRAM OVERVIEW

UTeach Computer Science is a College Board–endorsed provider of AP Computer Science curricula and professional development. UTeach CS focuses on improving computer science teaching and learning in secondary schools through increases in access, diversity, and equity. UTeach CS provides a comprehensive approach for AP Computer Science Principles and AP Computer Science A courses, including project-based curriculum, professional development, and year-round teacher support. UTeach CS is part of the [UTeach Institute](#) at The University of Texas at Austin.

TARGET GRADES

Grades 9 - 12

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM

UTeach CS develops research-based courses with an emphasis on student-centered, culturally responsive and project-based practices shown to increase interest and engagement for all students and especially for girls and underrepresented minorities.

THE PROGRAM’S IMPACT ON STUDENTS

UTeach CS has increased student access to CS by training over 800 new CS Principles teachers since 2016. Additionally, the curriculum has generated significant student interest and engagement and helped to recruit a broader subset of students into CS course-taking pathways. More than 6,000 students have taken UTeach CS courses, scoring above the national average on AP exams.

SPECIFIC SKILLS STUDENTS WILL LEARN

Students will find themselves within the context of how computers impact our world, regardless of their intended field of study. They will learn how to be a responsible digital citizen, work collaboratively and communicate their ideas. They will understand what computers can and can't do and how to evaluate ethical dilemmas related to computers, such as big data, artificial intelligence, and robotics.

RESOURCES PROVIDED TO EDUCATORS

UTeach CS provides a 5-day in-person or 40-hour online professional development workshop in which teachers master curricular activities, explore student-centered pedagogies, and review College Board AP course requirements. The workshop is followed by year-round teacher support that includes webinars, on-demand support, and access to a robust online professional learning community.

WEBSITE

<https://uteachcs.org>

CONTACT INFORMATION

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