Bring **AP** Computer Science Courses to Your School

Computer science is essential for today's students and their future careers, whether it's used for 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis.

AP® Computer Science A (AP CSA) introduces students to computer science through object-oriented programming and design using the Java programming language. Fundamental topics in this course include the design of solutions to problems; the use of data structures to organize large sets of data; the development and implementation of algorithms to process data and discover new information; the analysis of potential solutions; and the ethical and social implications of computing systems.

AP Computer Science Principles (AP CSP) is designed to attract a greater diversity of students to the field, focusing on creative problem-solving and real-world applications to better prepare students for college and career.

Students don't need previous computer science experience to take these courses. The only recommended prerequisite is to complete Algebra I.

How to bring these dynamic courses to your school:

① ADD THE COURSES, AND IDENTIFY AND RECRUIT TEACHERS

Please check with your local state and district regarding requirements to teach computer science.

AP COMPUTER SCIENCE A

Teachers in other disciplines, such as physics, calculus, statistics, and computer science principles, as well as career and technical education teachers with knowledge of object-oriented programming (especially in Java), can also teach AP CSA.

AP COMPUTER SCIENCE PRINCIPLES

If your school offers foundational computing courses or AP CSA, teachers of these courses are a natural fit to teach AP CSP. Additionally, due to the broad, multidisciplinary nature of the course, teachers in other disciplines, such as the arts or social sciences, can teach AP CSP.

Professional learning opportunities for both AP computer science courses are available from College Board and several endorsed providers. Mentoring is available through AP Mentoring.

Learn more at **collegeboard.org/apcsp-pd** and **collegeboard.org/apcsa-pd**.

② EXPLORE CURRICULUM OPTIONS

Like all AP courses, AP computer science courses give teachers the flexibility to customize their own curriculum based on the course's curriculum framework.

As an alternative, your school may be interested in curricula developed through College Board–endorsed providers. Endorsed providers offer a full curriculum with preapproved syllabi, lesson plans, formative assessments, and professional development.

To find out more, visit **collegeboard.org/apcsp-pd** and **collegeboard.org/apcsa-pd**.

③ CHECK YOUR RESOURCES

Make sure your school meets the logistical and material requirements to offer an AP computer science course.

- Each student has access to course materials.
- Each student has individual access to a computer (i.e., 1 student per computer) for adequate time to complete course activities.
- Each student has access to the internet and to the tools and programming environments you'll use.

④ RECRUIT STUDENTS

Engage all students, including those traditionally underrepresented in computer science, in the world of computing and technology. Traditionally underrepresented students may need extra encouragement to sign up for a computer science course.

Administrators and teachers should provide extra outreach to diverse parents and students to encourage participation.

For student recruitment strategies, including how to diversify your AP computer science classroom, visit **collegeboard.org/apcs-recruitment**.

⑤ SUBMIT COURSE AUDIT FORM AND SYLLABUS

The AP Course Audit has clear guidelines on curricular and resource requirements for AP courses. If you select an endorsed provider, you can submit the preapproved syllabus.

Learn more at **collegeboard.org/apcourseaudit**.

Visit **collegeboard.org/apcsa** and **collegeboard.org/apcsp**.