

Application to Participate in the CODE.org/A+ College Ready Partnership For Computer Science

The College Board will offer Computer Science Principles (CSP) as an AP course for the first time in 2016-2017, with the first exam being given in May of 2017. A+ College Ready is proud to announce a partnership with CODE.org to bring their CSP curriculum and professional development and other resources to Alabama schools and teachers.

We are recruiting up to 35 schools/teachers to participate in a year-long professional development program which includes:

- A 5-day Regional Training Summer Workshop the week of June 20th, 2016 held in Atlanta, Georgia (expenses paid)
- Follow-up face to face and online training which will be in Alabama throughout the school year

This experience will assist teachers and schools in preparing for the AP Course and the Audit associated with getting the course approved for college credit by the College Board. Schools will be asked to commit to implementing the Code.org curriculum, meeting enrollment goals, and participating in program evaluation.

Features of the CODE.org Curriculum:

- Daily instructional lesson plans that include inquiry/equity-based pedagogy and background content
- Formative and summative assessments, exemplars, rubrics
- Videos for students (tutorials, instructional) and teachers (lesson tips)
- Widgets and simulators for exploring computing concepts
- Code Studio — a learning platform with student and teacher dashboards
- App Lab — Code.org's online JavaScript programming environment

College graduates with a degree in Computer Science consistently have the most number of job offers and one of the highest starting salaries. The Bureau of Labor and Statistics projects that by 2020, it will be the area with the most job demand. Yet, true computer science (not just Office applications) is very rarely taught in most schools. This new course will introduce Computer Science to more Alabama students!

The new course is much broader in topics than the current Advanced Placement Computer Science A course, yet still offers rigorous concepts. The Alabama State Board of Education formally approved the option of awarding mathematics credit for completion of Advanced Placement Computer Science Principles on December 11, 2013.

Program Description:

Advanced Placement Computer Science Principles is a new one-year course designed to introduce students to the central ideas of computing and Computer Science, to instill ideas and practices of computational thinking, and to have students engage in hands-on activities that show how computing changes the world.

Teachers are the key to the success of the program. They must be willing to continuously strive to improve their teaching and expand their programs. Pilot teachers will participate in professional development designed to improve both their content knowledge and their teaching skills.

School administration must be willing to add the Advanced Placement Computer Science Principles Course to the school schedule for the 2016-17 school year, approve the assignment of the teacher named in this application to teach the course, and coordinate student advisement to help ensure maximum student enrollment. The State Department of Education will be adding a new Course Code for the AP course (it should be available at the end of November).

A completed application must be submitted by December 18, 2015. Schools will be notified of the outcome of the selection process by January 31, 2016. Invitations to schools to participate in the program will be contingent on the availability of public and private implementation funds.

This Application includes:

- I. Applicant Information (brief description of the school and contact information for key individuals)**
- II. Applicant Signatures**
- III. Teacher Section: Philosophy and Experience** (to be completed by Computer Science Teacher or prospective Computer Science Teacher who will be offering this course)
- IV. School Section:** (to be completed by school Principal)
- V. Submission information**

I. Applicant Information

District Name	
School Name	
School Street Address	
City, State and Zip	

	Name	Telephone	Email
Superintendent			
Principal			
Potential CS Principles Teacher			

II. Applicant Signatures – Add additional signature lines as needed.

Superintendent signature

Date

Principal signature

Date

AP CS Principles Teacher signature

Date

By submitting this application (high school) and (teacher) agree to:

- implementing the CODE.ORG curriculum
- participating in the year-long professional development
- meeting enrollment goals
- signing a data sharing agreement
- participating in program evaluation

III. Computer Science Teacher Section:

On a separate page attached to your school's supplication, please provide a short description of your interest in the program including:

- Your educational background
- Courses you teach or have taught
- Training you have completed related to Computer Science (if any), such as courses taken during your collegiate experience
- A description of the potential opportunities for expansion of the Computer Science program at your school. Your response should address the number of students that could be enrolled in the AP Computer Science Principles course, your primary motivation for wanting to teach this course, as well as how you might recruit students for the course.

IV. School Section: (to be completed by the Principal)

On a separate page attached to your school's supplication, please provide a short description of your interest in the program including:

1. Describe the qualities or characteristics of the student body, faculty and administration that make your school interested in offering this course. Include information about any other Computer Science courses offered at your school.
2. Describe the potential opportunity for expansion of the Computer Science program at the school.
3. How many students from your school would be interested in taking the AP Computer Science Principles Course? How would you assist in recruiting students for the course?

V. Submission Information

Submit the completed application by Friday, December 18, 2015. Please submit an electronic copy of the completed application to ALL of the following email addresses:

Mary Boehm, President, A+ College Ready
marydboehm@bellsouth.net

Carol K. Crawford, A+ College Ready
carolk.crawford@gmail.com