

AP Computer Science A Course Description

This course is for teachers who are teaching AP Computer Science (APCS) A.

It is new and exciting time in the AP Computer Science A course. College Board has added a 20-hour lab requirement for AP Computer Science students which can be satisfied by using the new AP Computer Science Labs. The Course Description has been updated and vastly improved to help us plan our curriculum. The 2015 AP Computer Science A Exam has been released and we will delve into it and discuss strategies for preparing our students for the AP Computer Science A Exam. Each session of this summer workshop will provide lessons using innovative techniques for teaching the AP Computer Science A topics. The new AP Computer Science A Labs and four new student programming projects covering one and two-dimensional arrays, Lists/ArrayLists, searching, and sorting will be integrated into these lessons throughout the week. The four student programming projects were piloted with the presenter's students and are complete with teacher solutions and are ready to use with students. Come and join us this summer and find out how much fun teaching and learning Computer Science can be!

Participants will also receive information about the current and future direction of the APCS A course as well as the latest information from the 2016 APCS A Reading. Additional APCS A topics will be covered based on the needs and/or contributions of the participants.

AP Computer Science requires the Java programming language. A working knowledge of Java or a similar programming language would be helpful.