AP Expectations Night

AP Computer Science Principles (aka "APCSP")

CONTACT INFORMATION:

Mr. Dan Eliot
Computer Science Teacher, CTE Teacher, Tech Rep
Yorba Linda High School
1.714.986.7500 x14337, **deliot@pylusd.org**
http://MrEliot.com/

RECOMMENDED AP COMPUTER SCIENCE TEST REVIEW BOOK:

TITLE:	Barron's AP Computer Science Principles, by Seth Reichelson	
COST:	$15.19 new as of 05-28-2020	
AMAZON LINK:	https://amzn.to/2zIQ0XI	
ISBN:	ISBN-10: 1438012624	ISBN-13: 978-1438012629

NOTE: ***This book is optional, but recommended for all students, especially for those that want extra help.***

WHY SHOULD YOU TAKE COMPUTER SCIENCE?

- Computer Science combines math, science, logic, language arts, and artistic design skills all into one package
- "Everybody in this country should learn how to program a computer because it teaches you how to think." -- *Steve Jobs*
- "What most schools don't teach" video **https://bit.ly/36IwvuK**
- Code.org discussion of Computer Science **http://code.org/promote**

BASIC COURSE CONTENT (https://bit.ly/3cg7s38):

- Computational Thinking Practices and Skills
- 6 Big Ideas (Creative Development, Data, Algorithms and Programming, Computer Systems and Networks, Impact of Computing)
- Create Performance Task (code project, video presentation, written responses) uploaded via AP Digital Portfolio
- Written Exam (70 multiple-choice single-select and multiple-select questions)

YOU WILL BE SUCCESSFUL IN AP COMP SCI IF YOU:

- Are willing to think and solve problems for yourself
- Are here every single day without fail, and don't miss often due to "conflicts"
- Are willing to occasionally struggle with code until you work it out and get it right
- Have a sufficient math and science background. The more, the better!
- Are self-motivated, comfortable with computers, and able to work at a high level of thought
- Lean towards a career in technology, computers, math, science, engineering, etc.
- Know how to study for, and take "problem solving" quizzes

SUMMER HOMEWORK:

There is no **specific/required/graded summer homework packet for AP Computer Science Principles.** **However**, if you have not programmed before, or if your math / science / logic skills are not as strong as they should be, consider getting a head start with one or more of these tutorials. I have listed these in order of preference:

1. **Code.org App Lab: Learn how to use App Lab** **https://code.org/educate/applab**
   (app lab is a web-based environment for creating apps)

2. **Create apps of your own design with MIT App Inventor** **http://ai2.appinventor.mit.edu/**
   (it is likely we will be using MIT App Inventor in class)

SHOULD FRESHMEN OR SOPHOMORE STUDENTS TAKE THIS CLASS?

This class is open to all grade levels of YLHS students who are prepared for college level work.

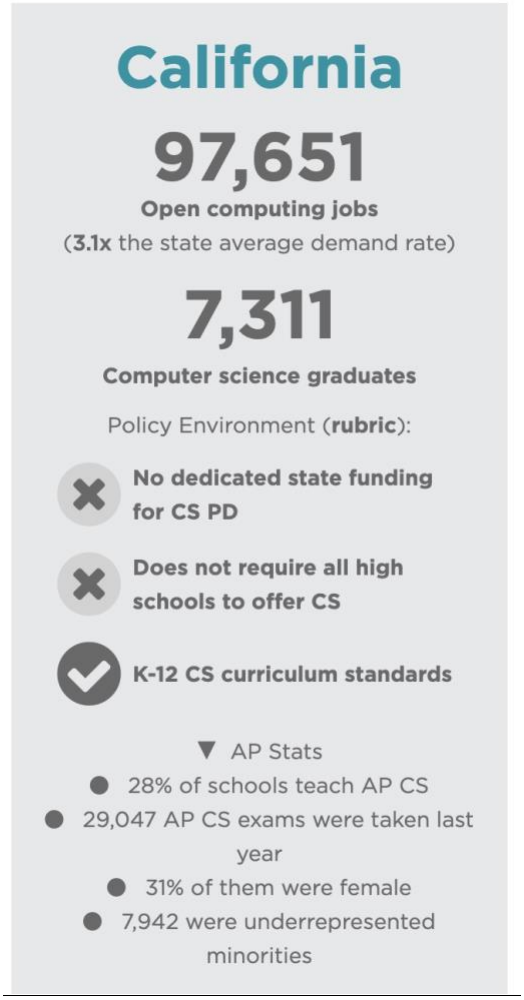
- Has the student taken sufficient math and/or science classes?
- Has the student coded in the past at any level, including middle school, calculators, web pages (JavaScript), etc?
- Is the student passionate about technology, coding, and computers?
- Is the student planning a career in Computer Science, Networking, App Development, Engineering, Science, etc?
- Is this a strong student who adapts well to difficult courses?
- Does the student fully appreciate that this is a college course? Are they ready for college level work?

AP COMPUTER SCIENCE PRINCIPLES EXAM INFO (estimated, not all info posted yet):

https://apstudents.collegeboard.org/exam-policies-guidelines/exam-fees

- The 2021 exam cost is $94 if purchased by November 13th
- Exams ordered between November 14th and March 11th have a late fee of $40
- The unused or canceled exam fee is $40
- The **AP Computer Science Principles** exam is Thursday, May 13th, 2021 in the morning

YOUR QUESTIONS AND COMMENTS?



https://code.org/promote/