

AP-Computer Science A

L. Louden/Information Technology Pathway

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Congratulations! You have been recommended and scheduled for the AP Computer Science A course for the upcoming school year. The goals of this course are comparable to those in the introductory course in college and university Computer Science Departments. Upon successful completion of the course and a passing grade on the AP Computer Science A Exam, you could earn college credit, therefore this is a rigorous course in the fundamentals on Object-Oriented Programming.

To aid in your success for the upcoming year, some work must be done at home. This summer assignment will introduce you to concepts you are to know before entering AP Computer Science A. Your goal is to complete the course you started in code.org this past year in AP Principles. Fundamental computer programming concepts are covered in the on-line course and will provide you with the opportunity to enhance your programming skills.

The class officially ended in [Unit 5, Chapter 1, Lesson 5](#). Henceforth, you will start and be given credit for [Unit 5, Chapter 1 Lessons 6 to 10](#) and [Chapter 2 Lessons 11 to 17](#). Work in text mode only for a true programming environment. This summer assignment is worth 100 homework points and is due at the beginning of class **Wednesday, 09/05/2018**. Credit will not be given after the first two weeks of the course so have it completed. There will be a summary quiz the first week of school.

As always, please email me if you have questions about the assignment. I may post other resources on the class webpage on Engrade. Please note: A new online grading system will be installed sometime in August and may not be available to you until September.

CLASS LINK TO CODE.ORG: [Link to lessons on code.org](#)

Chapter 1		Chapter 2	
L6 Input & Strings	L9 if-else-if & conditional logic	L11 While Loops	L14 Image Scroller
L7 If Statements (unplugged)	L10 Building an App: Color Sleuth	L12 Loops and Simulations	L15 Processing Arrays
L8 Boolean Expression		L13 Intro to Arrays	L16 Functions w/returns value
			L17 Canvas Painter

