



Future AP Computer Science Principles Student,

Welcome to AP CSP! I am eagerly anticipating a great year of Computer Science Principles to ensure the best start for everyone next year; I have prepared a summer assignment that reviews basic CSP concepts.

To complete this assignment, you will need a computer with an internet connection. When you return to school, there will be an online submission location to submit your completed work. Completed work must be submitted by SEPTEMBER 5th; late work will not be accepted.

I hope you are looking forward to an exciting year of CSP. You are all certainly fine students, and with plenty of motivation and hard work you should find AP CSP a successful and rewarding experience.

Finally, I recommend that you spread out the summer assignment. Please do not try to complete it all in the final week of the summer. CSP takes time to process and grasp at a level necessary for success in AP CSP. Remember, AP CSP is a college level course. Taking a college level course in high school is difficult, requires dedication, and is a great investment in your education so prepare yourself and arrive ready to learn.

AP Computer Science Principles is a demanding class and success depends on ability, development of prerequisite skills, and a willingness to study. Advanced Placement classes require more study time than the typical high school class and this course runs on an accelerated schedule. The requirements for the AP test are covered prior to the exam that is administered in the first week of May.

A list of those requirements can be found by visiting the College Boards website (<https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles>).

Have a wonderful summer!

You may contact me by email: Vjamison@ifsvp.org

Student Name

Date

Student Signature



1. **Verify** you have signed the agreement for your summer assignment (sign and return before leaving for summer).
2. **Sign up** for our IFS APCSP Remind. I will send out reminders over the summer so go ahead and sign up!

The image shows a sign-up page for Remind, a mobile notification service. At the top left is the Remind logo. The main heading is "Sign up for important updates from IFS.Tech Lab." Below this is a sub-heading: "Get information for Islamic Foundation School right on your phone—not on handouts." The page is divided into two main sections for choosing a notification method. Section A, "If you have a smartphone, get push notifications," includes instructions to visit rmd.at/iftstechlab on a smartphone. A screenshot of the mobile app shows a "Join AP Computer Principles" screen with input fields for "Full Name" and "Phone Number or Email Address". Section B, "If you don't have a smartphone, get text notifications," instructs users to text [@iftstechlab](https://www.instagram.com/iftstechlab) to the number 81010. A screenshot of a text message shows the recipient as 81010 and the sender as @iftstechlab. A small note at the bottom of section B says "* Standard text message rates apply." At the very bottom of the page, it says "Don't have a mobile phone? Go to rmd.at/iftstechlab on a desktop computer to sign up for email notifications."



3. Read

Your summer assignment includes reading the book, “Blown to Bits”. This book is available for free over the internet by clicking on the link below.

Computing has transformed our lives in so many ways. Mobile computing, where we are constantly connected to others and to the world via our mobile devices, is challenging us right now to come with new norms about privacy, security, the ownership or openness of data and information, and other issues. Like any technology, mobile computing has both positive and negative impacts. We need to reflect on these impacts in general and we also think about the impacts we will create as we build our own mobile apps.

One way we will be addressing these issues in this course is by reading and discussing *Blown to Bits: Your Life, Liberty, and Happiness after the Digital Explosion*. This book is available entirely online with a separate PDF file for each chapter. You can access the website through the link below. Save it in your phone/tablet or other e-reader device so you can access it anywhere:

http://www.bitsbook.com/wp-content/uploads/2008/12/B2B_3.pdf

YOU ONLY NEED TO READ CHAPTERS 1 - 3. Note that throughout the year, you may be given quizzes on the vocabulary and other content from this book. In addition, your midterm will include a significant amount of material from this book. For this reason, while you are reading, I am requiring you to complete:

1) The attached vocabulary list (find definitions

YOU understand and write them down in the space below)

2) The attached double entry journal sheet for each Chapter 1 - 3.



AP Computer Science Principles Summer Assignment 2019

Blown to Bits Vocabulary

Chapter 1	Chapter 2	Chapter 3
Bit: Blacklist: Character: Cyberspace: Data Center: Data: Data Network: Disk Drive: Intellectual Property: Moore's Law: Network: Processor: Social Networking: Whitelist:	Ad Hoc: Database: Data Aggregation: Data Mining: Data Repository: Data Sources: Digital Detritus: Dossier: EDR: Encode: Encryption: IP Address: Metadata: Query: RFID:	Algorithm: Analog: ASCII: Cloud Computing: Cryptography: Digital: Digital Signal: Processing: Download: Lossless Compression: Megabyte: Megapixels: Modeling: OCR: Pixels: Raster: Render: Spam:

*** Define in complete sentences on a separate page for each chapter***

AP Computer Science Principles

Summer Assignment 2019

Double-Entry Journal (Chapter 1)

Directions: As you read, right down four ideas from this part of the chapter that you believe are critically important to this topic. You can quote the authors or summarize them. Include the page number. Then write your reaction to the idea.

The Text (Quote or Summary) Page:

My Reaction to the Text:

AP Computer Science Principles

Summer Assignment 2019

Double-Entry Journal (Chapter 2)

Directions: As you read, right down four ideas from this part of the chapter that you believe are critically important to this topic. You can quote the authors or summarize them. Include the page number. Then write your reaction to the idea.

The Text (Quote or Summary) Page:

My Reaction to the Text:

AP Computer Science Principles

Summer Assignment 2019

Double-Entry Journal (Chapter 3)

Directions: As you read, right down four ideas from this part of the chapter that you believe are critically important to this topic. You can quote the authors or summarize them. Include the page number. Then write your reaction to the idea.

The Text (Quote or Summary) Page:

My Reaction to the Text: