

AP COMPUTER SCIENCE PRINCIPLES - FLHS

SUMMER ASSIGNMENT 2022-2023

Welcome to AP Computer Science Principles!

AP Computer Science Principles will introduce you to the foundational concepts of the computer science field and challenge you to explore how computing and technology can impact the world. Computing and computing technologies have created what is sometimes referred to as a “digital explosion”. With the growing development of computing technologies, more and more digital data is being produced at a pace so rapid that it almost seems to be feeding off itself. Throughout the class, we will be discussing the “digital explosion” concept and the impact technology has on our lives.

Your summer assignment is to read Chapters 1 and 2 from **Blown to Bits: Your Life, Liberty, and Happiness After the Digital Explosion**. The entire book can be accessed through this [link](#). After reading the chapters, respond to the following questions:

1. The authors introduce seven Koans (truths) about digital information technology. Describe what each Koan means AND give a specific example of how each concept relates to you personally.
2. The digital explosion is “neither good nor bad” but has both positive and negative implications. Give two positive and two negative implications.
3. “Advances in computing have generated and increased creativity in other fields.” Comment on this statement. Do you agree? Provide an example to support or contradict it
4. Explain the difference between what the authors call "digital footprints" and "digital fingerprints" and provide two examples of each. Your examples could come from the reading or from your own experience.
5. Is the Privacy Act effective? Explain.
6. “Information that was previously available only to professionals with specialized access or a legion of local workers is now available to everyone.” (Quote from page 45). Name three positive and three negative impacts to society based on this quote.
7. The author states that there is one main difference between us and the world in George Orwell’s book, 1984. The difference is that “we have fallen in love with this always-on world”. Explain what you think this means. You can use examples in your explanation.

Your responses should be typed and in complete sentences. This assignment will be due **on the first day of class. Late submissions will not be accepted**. You will be submitting the assignment to Google Classroom and Turnitin - I will provide the access information on the first day of class.

Note that throughout the year, you will be given quizzes on the content from this book. If you have any questions, please contact me via email (dmcguigan@fairfieldschools.org).

Enjoy the summer! I will see you in the fall!

Mrs. McGuigan