

AP Computer Science Summer Reading Assignment 2011 - 12

Welcome to **AP Computer Science**! In order to get excited for this course, you must complete the following assignment over the summer. It is highly advisable for you to take notes on the assigned text. We will be spending our first few days in class discussing the book, and watching film clips about how technology changes our lives and the world, and how best to take advantage of these changes. It is important for you to have read and reflected on the selection. On the first Friday, we will have a quiz on this reading. You should bring the book and your notes with you on the **first day of class**.



- **Take notes** as you read, thorough enough to serve in August as a review, enabling you to discuss the book readily when you return in the fall. **Please bring your notes to the first day of class.**
- Be prepared for a quiz on the Friday, August 12, 2011.
- This book was selected specifically to get you excited about studying computer science. Enjoy!

Required Reading:

Lucas, Jr. Henry C. *Inside the Future: Surviving the Technology Revolution*, 2008. The cost of the book is approximately \$28.00 at Barnes and Noble, and can be found used for cheaper on amazon.com.

Assignment:

Read and complete study guide (find on the school website). You may also wish to take notes and create a 2 column reflection log, where quotes from the text are listed on the left, and your thoughts are listed on the right. Your notes should be evenly distributed throughout the book.

Questions:

If you have any questions regarding the text or the assignment, please email Mrs. Furman at crystal_furman@gwinnett.k12.ga.us. I will be happy to assist you in any way possible. I look forward to getting to know you in the fall.

Book Lending:

Students purchased this book last year and may be interested in selling it to you at a used book cost. I will happy to help you connect with the current years students.

Name: _____

AP Computer Science - Summer Reading Note Guide

Mrs. C. Furman

Inside the Future: Surviving the Technology Revolution by Henry C. Lucas

1. What item did the Hong Kong based company TAL manufacture and sell to JC Penney's?
2. How did UPS train drivers to fasten their seat belts to increase efficiency?
3. After hurricanes hit Florida, what did Walmart determine was one of the products they were running out of?
4. How is second life (Avatars) improving businesses, products and services?
5. Describe the difference between competence-enhancing and competence destroying change. Give an example of each. Your examples can either come from the reading or one of your own. Write a paragraph to support your choice.
6. One of the rules outlined in chapter one is, "Organizations are shifting as much work to consumers as possible: the age of consumer self-service is here." In this section they give the example of how the telephone companies have evolved from the need to be connected via an operator, to being able to make our own calls. Can you think of another example of how technology has shifted us to being self-service?
7. List 3 current problems and inefficiencies, discussed in chapter 9, with the US Health Care System, that could be helped through the implementation of technology.
8. According to Friedman(2006), what are immigrant parents demanding from American education? What are native-born American parents asking for?
9. Explain 2 ways that technology can improve our education system, making students more successful and innovative.

10. Kodak was the first company to develop a digital camera in the mid-1980s, however instead of this technology becoming competence-enhancing, it became competence-destroying for this company. What were the mistakes that Kodak made that prevented digital cameras from being a success for them, and instead brought the company to the brink of bankruptcy?

11. Do you believe that the author has provided significant evidence to support that a technology revolution is truly happening? What do you think this means for you as a student, citizen, future employee, etc?