

APCS

2012-13 Summer Assignment

Welcome to AP Computer Science 2012 - 2013. The Summer Assignment is designed to serve as an introduction to APCS. Please complete the following:

Part 1 - Course Email

Create a gmail account following these naming conventions: John Smith = john.smith@gmail.com

Part 2 - Prep Reading

Website for summer readings

<http://chortle.ccsu.edu/CS151/cs151java.html#01>

Complete chapter 1-5. The rest of the chapters will be great tutorials for you (as well as guides)

- a) Complete the readings, the quizzes, and the flash cards
- b) Try to compile hello world in chapter 5

Part 3 - Assignment Part 2 – Alice (Ver 2.2 or 3 Bata)

Alice is an innovative 3D programming environment that makes it easy to create an animation for telling a story, playing an interactive game, or a video to share on the web. Alice is a freely available teaching tool designed to be a student's first exposure to object-oriented programming. It allows students to learn fundamental programming concepts in the context of creating animated movies and simple video games. In Alice, 3-D objects (e.g., people, animals, and vehicles) populate a virtual world and students create a program to animate the objects.

Research Alice through reading and video tutorials. You are free to do your own “googling” but I have some links that will not only get you started, but will provide you with the background and understanding you will need to complete this Summer Assignment.

Begin here - this Lesson Plan is a really good place to get started:

➡ HELP ➡ Tutorial (Tutorial 1 through 4)

Continue with the rest of these links:

➡ <http://www.dickbaldwin.com/tocalice.htm>

➡ <http://www.cs.duke.edu/csed/alice09/tutorials.php>

Create an Alice program introducing yourself to the class. Be creative and have fun. Design a program that represents you - your interests, your background, your personality. This portion of the assignment has no length requirement. We will run these programs the first week of class.

If you have any questions or concerns, please email me at: PZhitomi@fairfield.k12.ct.us.

Have fun, enjoy your summer...See you in the Fall...

Mr. Zhitomi