

Course Outline

Monday

Introductions

Java Development Environments/Compilers

AP Computer Science Subset

Teaching Methodologies

Teaching Timeline

Teaching Methodologies: bottom up / top down?

ArrayLists

Arrays (1D and 2D)

What's new on the 2010 AP Computer Science A Exam

Tuesday

AP Exam Question 2004 A1: WordList

ArrayList

Constructors

toString()

Grading Rubric

Strings

Searching and Sorting

Recursion

Wednesday

Inheritance

Polymorphism

Interfaces

AP Exam Question 2004 A2 Pet

Thursday

GridWorld Case Study

GridWorld Role Play

Friday

GridWorld Project

AP Computer Science Subset Debrief

Wrap up and Evaluation