

Computer Science Pre-AP 1st Semester Syllabus

Using Alice, Jeroo, and Java

Spring 2008
DRAFT

Lab Orientation

Computer Science Overview

Begin intro to Computer Science using Alice - <http://www.alice.org/>

Text – Learning to Program with Alice – Dann, Cooper, and Pausch
<http://www.aliceprogramming.net/>

Getting Started with Alice – Chapter 1

Program Design and Implementation – Chapter 2

Making Decisions – Chapter 3

Classes, Objects, Methods, and Parameters – Chapter 4

Interactive Programming – Chapter 5

Loops – Chapter 6

More Loops – Chapter 7

Advanced Alice topics

Transition from Alice to Jeroo

Jeroo website - <http://home.cc.gatech.edu/dorn/jeroo>

Getting Started with Jeroo

Basic Programming Constructs

If statements and decision making

Writing methods and passing parameters

Loops

Semester Exam