

Computer Science Pre-AP / Intro CS

1st Semester Syllabus

Using Scratch, Jeroo, Python, and Java

Computer Science Overview - Lab Orientation

Intro to Computer Science using Scratch

Scratch website - <http://scratch.mit.edu/>

Getting Started with Scratch

Basic Programming Constructs

Ifs, Loops, and Variables

Lists and Animation

Group Programming Project

Transition from Scratch 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

Transition from Jeroo to Python

Getting Started with Python

Getting Started with PyGame

If statements and decision making

Writing methods and passing parameters

Classes

Loops

Lists

Semester Exam