

Computer Science Pre-AP Timeline for 2014-2015

First 9 Weeks:

- Week 1: Introduction: Jeroo, Simple Programs
- Week 2: Jeroo: Solving problems with Code / Jeroo Methods
- **Test 1: Jeroo World and Code problems**
- Week 3: Computer Systems – Introduction / Radix Numbers (Binary)
- Week 4: Computer Systems – Hardware
- Week 5: Computer Systems – Operating Systems / Networks
- Week 6: Computer Systems – Programming Languages / Graphics
- **Test 2: Computer Systems**
- Week 7: Objects and Data Structures – Introduction to Object Orientated / Primitive Data
- Week 8: Objects and Data Structures – Creating Objects
- Week 9: Objects and Data Structures – Objects (Continued) / Graphics
- **Test 3: Objects and Data Structures**

Second 9 Weeks:

- Week 1: Jeroo: Conditional Statements
- Week 2: Jeroo: Conditional Statements (Part 2) / Boolean Logic
- Week 3: BlueJ: Conditional Statements
- **Test 1: Conditional Statements**
- Week 4: Jeroo: Iterative Statements
- Week 5: Jeroo: Iterative Statements
- Week 6: BlueJ: Iterative Statements (while loops)
- Week 7: BlueJ: Iterative Statements (for loops)
- **Test 2: Iterative Statements**
- Week 8: End of Semester Project
- Week 9: End of Semester Project
- **Test 3: Project Grade**
- **Midterm 1**

Third 9 Weeks:

- Week 1: Methods: Methods Introduction
- Week 2: Methods: Return Types and Parameters
- **Test 1: Methods**
- Week 3: Classes: Anatomy of a Class (Attributes and Methods)
- Week 4: Classes: Anatomy of a Class (continued)
- Week 5: Classes: Method Overloading
- Week 6: Classes: Method Decomposition
- **Test 2: Classes Part I**
- Week 7: Classes, Part II: Object Relationship and Inheritance
- Week 8: Classes, Part II: Project Week 1
- Week 9: Classes, Part II: Project Week 2
- **Test 3: Classes Project**

Forth 9 Weeks:

- Week 1: Greenfoot: Object Orientated Programming
- Week 2: Greenfoot: Little Crab Program
- Week 3: Greenfoot: Little Crab Project
- **Test 1: Little Crab Project**
- Week 4: Greenfoot or Unity3d (TBD)
- Week 5: Greenfoot or Unity3d (TBD)
- Week 6: Greenfoot or Unity3d (TBD)
- Week 7: Greenfoot or Unity3d (TBD)
- **Test 2: Greenfoot or Unity3d Project (TBD)**
- Week 8: Building a Computer (Hands on)
- Week 9: Building a Computer (Installing Windows)
- **Test 3: Hardware and Building Test**
- **Final**