

Portland Public Schools

Course Number: 03970M1, 03970M2	School: Wilson High School	
Subject: Math	Course Title: Computer Science 9-10	Grade Level: 11-12
Prerequisites: Completion of Computer Science 7-8 (03970L1) AND teacher recommendation.		
Course description (forecast guide): Students will work on projects determined jointly by the student and the teacher using one of the following languages: Java, C++, Pascal, Scheme, or Visual BASIC. (Independent study.)		
Learning objectives: The student should be able to: <ul style="list-style-type: none"> • Design and implement larger programs for projects. • Document programs appropriately. • Display appropriate programming design and style in the programs written. • If desired, practice in preparation for the AP Computer Science AB level exam. 		
References, text book(s), resources: Reference books as needed. Java Software Solutions for AP Computer Science, Lewis-Loftus-Cocking, 2004, Addison Wesley Code Warrior LE 2.0 IDE (C, C++, Java language and development environment) Code Warrior 4.0 (Pascal) Microsoft Visual Studio (Visual BASIC) Scheme		
Assessment/evaluation/grading policy: Evaluation of Course Work: Students work on an independent study basis completing projects determined by teacher and student. All projects are kept in a notebook that is graded each quarter. Computation of Course Grade: The project grade constitutes the entire grade for the course. 90-100=A, 80-89=B, 60-79=C, 50-59=D, 0-49=F		
Behavioral expectations: Students must be able to work well, independently. Students will not be required to do assignments outside of class. They will be given class time to do all work. If a student is absent he/she will need to catch up on missed work by coming to the lab outside of class time. Students may work on the design of projects at home, as needed (provided the student has his/her own appropriate language compiler).		
Safety issues and requirements: None		
Additional opportunities: Check if appropriate/support requested () field trips		

- work shadows related to curriculum
- paid or non-paid internships
- project-based learning
- service-learning

Schedule of topics/units covered (optional)

Student Accommodation(s) and support available: (e.g., tutoring, differentiated instruction):
Assistance before and after school, as needed. Other accommodations, as needed.

Signature of instructor completing this form: *Diana M. Fisher*

Effective date of syllabus: 9/05/2007

School year: 2007-2008

Department Head Approval (if applicable)

Administrator Approval: