

**MASCONOMET REGIONAL SCHOOL DISTRICT  
COURSE SYLLABUS**

**COURSE NAME:** Computer Science III  
**COURSE NUMBER:** 5831  
**PHASE:** College

**DEPARTMENT:** Business  
**GRADE LEVEL:** 10-12  
**YEAR:** 2011-2012

I. **Course Description:**

This course continues the sequential development of Computer Science II. Web Programming using Adobe Dreamweaver CS5 will be continued and advanced topics such as PHP and CSS will be covered. Programming using Flash ActionScript will be a major component of Computer Science III.

II. **Central Objectives:**

- A. Students will describe the elements of the Internet and world wide web.
- B. Students will ethically use all computer systems and understand which activities are right, wrong, or even criminal.
- C. Students will define and describe learning aids and support tools that help with the use of computer programming software.
- D. Students will demonstrate their ability to program interactive features of web based media using a variety of software applications.
- E. Students will demonstrate their ability to program Flash ActionScript and will develop an interactive web based video game.
- F. Students will develop web pages and post on the Masconomet Web Server. Students will be prepared to meet the challenges presented by future systems, applications, and equipment.
- G. Students will create animations and interactive web pages using Flash.
- H. Students will shoot video and incorporate into web based applications to be able to share to a global audience.

III. **Major Activities:**

**PROJECTS:** Students will be required to successfully complete project assignments to demonstrate their ability to master the **Central Objectives**.

**PERFORMANCE TESTS:** Students will be required to successfully perform timed tasks at their computer which reflect their understanding and mastery of the **Central Objectives**.

**QUIZZES:** Students will be given announced and unannounced written quizzes, which test their understanding of the **Central Objectives**.

**CLASS ASSIGNMENTS:** Students will be required to complete assignments outside of the scheduled class period, either at home or in the computer lab.

IV. **General Expectations:** Each student is expected to understand and abide by the responsibilities, behaviors and consequences defined within the Acceptable Use Policy for access provided by Masconomet.

V. **Student Evaluation:**

- A. Performance examinations for each unit.
- B. Midterm and Final Examination.
- C. Project Evaluation.

VI. **Text and Materials:**

Various Handouts.  
Online Tutorials  
Textbooks

VII. **Scope and Sequence:**

Adobe CS5 (Dreamweaver, Flash, Photoshop, Fireworks)  
HTML, CSS, PHP  
Flash ActionScript  
Final Cut Pro