

Masconomet Regional High School

2015-2016

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Course Title: Computer Science I

Depart: Business/Computer Education

Grade Level/Phase 9-12 CP/H

Length of Course: Full Course—5.0 Cr.

Website: www.portaportal.com

guest name: masco

Course Description:

Computer Science I will go beyond the exploratory concepts presented in Computer Applications. A thorough understanding and working knowledge of the windows environment; Microsoft Office including, Excel, and PowerPoint, Desktop Publishing; Video Production with sound and music; Internet concepts; and Paint Shop Pro will be attained. In addition, students will become proficient in Visual Basic programming, HTML (Hypertext Markup Language) and various Adobe applications.

Objectives:

Students will gain knowledge and be able to demonstrate that knowledge for the following through various activities, projects, and tasks:

- Windows Environment
- Microsoft Access
- Microsoft Excel
- Graphing
- Microsoft Desktop Publishing
- Video Including Sound and Music
- PowerPoint with a variety of tools
- HTML (Hypertext Markup Language)
- Visual Basic Programming
- Internet for research
- Paint Shop Pro
- Animation Shop

Skills and activities may include the following:

- Spreadsheets

Calculations
Designing a brochure
Creating a video
Developing a presentation
Use of animation and sound
Creating a website including links
Creating and editing web graphics
Projects completed in their entirety
Performance Tests which may include tasks at computer station to reflect course understanding
Quizzes and Tests to assess course knowledge

Scope and Sequence:

Microsoft PowerPoint - oral presentation skills
Computer Ethics – online ethics and Internet safety
Video Production using Mac computers
Microsoft Excel – business strategies
Midterm Examination
Visual Basic - programming
Paint Shop Pro - Animation Shop (Flash Introduction)
HTML– Website development
CSS
Final Culminating Project

Assessment:

- A. Performance examination for each unit.
- B. Midterm
- C. Project and program evaluations. Rubrics will be given in advance of any projects.
- D. Teacher Observation and Productivity Analysis

Make up/Extra Help:

Extra help and make up time due to absences is available before or after school. Please let me know any time you would like to access it. Keep in mind that make up work must be completed prior to the next marking period (progress or quarter grades).

Expectations Addressed: A1, A2, A3, A4, S1, S2, C1, C2, C3

Class Rules:

- Be on time and prepared to learn.
- Respect the rights of others.

- Games, Instant Messaging, Personal Email and similar programs are strictly prohibited. There are consequences that may include loss of computer, a failing grade for the day, and/or bookwork.
- Inappropriate surfing of the web or inappropriate content found on your computer OR in your home directories could also result in an F for the day, and bookwork will be assigned. Please review the Internet Acceptable Use Policy for any questions on this.
- Please use the restroom before you come to class to minimize interruptions. Be sure to communicate any emergency you may have that would require you to visit the restroom, nurse, or other area to address it.
- During times of teacher instruction, students will not be permitted to use the computers (unless it is necessary) and students are to remain quiet for the duration of the instruction.
- No cell phones in class.
- If any of these rules are violated, there are consequences such as detentions, office referrals, parent/coach discussions. Any detention that is skipped will result in demerits.

Saving Work: ***All assignments need to be saved in H drive.***

Academic Integrity:

You are considered cheating if:

1. During tests, quizzes, labs, if given information about tests, if you have access to any materials not specifically authorized for use during the assessment, let your eyes wander, copy another paper, let someone else look at your test, or talk to a classmate regardless of the subject.

2. You submit someone else's work as your own, allows another student to copy your work, or pay another person or company to write a paper for you.

You may not submit the same paper in two different courses unless you have written permission from both teachers. This includes computer programs.

3. You give or receive information about tests, exams, or quizzes that will be given.

4. You plagiarize. You must give credit where credit is due (including citations from Cliff Notes).

You can obtain the formats for proper citations from your teacher or in the library.

5. You attempt to gain access to any files on the computers which are not your own. Any attempt will result in your being banned from the use of school computers, suspension and possible prosecution.

Exception: permission from a teacher, the computer technician or department leaders.

The Librarian will be instructing you in proper citations and academic integrity.

Updated: 9/11/15