

Computer Animation (Course #349) .50 credit

Students will study computer animation along with graphics and video editing as it pertains to Web development. The animation will be used to enhance the content and design of a Web page.

One nine week course  
elective

prerequisite: Webmaster I

grades: 9,10,11,12

Computer Technology I (Course #570) .50 credit

This introductory class is recommended for all 9th graders to give each student a background in basic computer applications. Microsoft Office will be used for Explorer, word processing, database, spreadsheets, and presentations. Topics to be covered also include basic concepts of the Windows environment and file management.

One nine week course  
recommended elective

prerequisite: none

grades: 9,10,11,12

Computer Technology II (Course #571) .50 credit

Students will learn advanced features of word processing, database, spreadsheets, and presentations using Microsoft Office. Students will be able to apply what is taught for school, business, and personal use.

One nine week course  
elective

prerequisite: Computer Technology

grade: 9,10,11,12

Multimedia I (Course #345) .50 credit

This course is the study of multimedia and it's various uses. Students will create digital presentations which will include graphics, text, music, video, sound, and basic animation. Introductory video will also be covered.

One nine week course  
elective

prerequisite: none

grade: 9,10,11,12

Multimedia II (Course #346) .50 credit

This course will focus on advanced uses of Multimedia. Students will also create 2D animations and media rich promotional items using Macromedia Flash.

One nine week course  
elective

prerequisite: Multimedia I

9,10,11,12

Women in Technology (Course #) .50 credit

Female students will explore many of the concepts in computer information technology including Web design, computer programming, computer animation and data management. Students will also explore the opportunities available in the fields of computer and information sciences at the college level and in the work place. Current events in hardware, software and telecommunications will be discussed. Students will be encouraged to increase their skills for success in our knowledge-based economy.

One nine week course  
elective

prerequisite: none

grade: 9,10,11,12

Programming I (Course #340) .50 credit

Students write programs using a visual programming environment to solve problems. Topics include input, output, decisions, loops and functions. Information regarding computer history, hardware, careers and trends will be discussed.

One nine week course  
elective

prerequisite: Algebra 1A

grade: 9,10,11,12

Programming II (Course #341) .50 credit

Students reinforce and master the skills learned in Programming I. Topics include advanced functions, string manipulation, arrays, searches, sorts and file management. Information regarding computer software, companies and trends will be discussed.

One nine week course  
elective

prerequisite: Programming I

grade: 9,10,11,12

Programming III (Course #342) .50 credit

Students reinforce and master the skills learned in Programming II. Topics include databases, advanced controls and programming in a second language, Information regarding computer networking, companies and trends will be discussed.

One nine week course  
elective

prerequisite: Programming II

grade: 9,10,11,12

Webmaster I (Course #347) .50 credit

Students design Web pages using a professional Web development tool. Topics include formatting text, graphics editing, layout tables, library items, navigation and site management. Final projects may be published on the district's Web site. Ease of use and consistency in design will be emphasized. Current events in computer technology will be discussed.

One nine week course

elective

prerequisite: none

grade: 9,10,11,12

Webmaster II (Course #348) .50 credit

Students design Web pages using a professional Web development tool. Students will improve the skills learned in Webmaster I by creating multiple projects to be published on the district's Web site. Advanced content such as animation and video editing will be explored. Current events in computer technology will be discussed.

One nine week course

elective

prerequisite: none

grade: 9,10,11,12