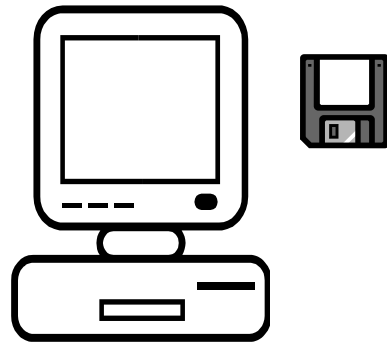


TECHNOLOGY



The Computer Department is in full support of the philosophy of Cathedral Preparatory School in the development of the whole man in spirit, body, and mind. As we advance further in the information age, it is the responsibility of this department to enable the student to use the technology as it is used in the adult world of business, science and education with integrity and with Catholic tradition ethics. It is also to provide the students with a perspective, awareness, as well as the skills that prepare them to enter tomorrow's changing world of employment and life-long learning.

TECHNOLOGY

401 History of Technology	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
Computer Literacy is the only computer class that does not meet in the computer lab. The focus is set on learning about how the computer works and the different parts of the computer that allows the computer to work as one tool. Security and computer ethics are also covered in this class.	
453 Microsoft Access 2007	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
Access is the database component of the Microsoft Office Suite. Students learn the fundamentals of Access 2003 by understanding database design, creating a database, querying a database, creating forms and reports, using macros and Visual Basic for Applications, and modifying the Switchboard Manager to create an application system.	
452 Microsoft Excel 2007	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
Excel is the spreadsheet component of the Microsoft Office Suite. Students learn the fundamentals of Excel 2003 by designing worksheets, creating charts, performing what-if analysis, and using worksheets for database creation and manipulation. Projects such as these demonstrate how to embed a chart, enter formulas, design charts based on entered data, apply built in spreadsheet functions, and how to use Visual Basic for Applications.	
456 Microsoft Expression Web	One Quarter
Grades: 10, 11, 12	Credit: .25
Prerequisite: None	
FrontPage is the World Wide Web application component of the Microsoft Office Suite. FrontPage is a Web page authoring and site management program that allows students to create and manage professional quality web sites without HTML programming.	
455 Microsoft PowerPoint 2007	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
PowerPoint is the graphics presentation component of the Microsoft Office Suite. Students learn the fundamentals of PowerPoint 2007 by using templates and style checkers to create an on-screen presentation. Clip art, sounds, animations and buttons allow the students to create an interactive presentation.	
404 Microsoft Publisher 2007	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
Microsoft Publisher 2007 is used to create eye-pleasing flyers, handouts, newsletters, letterheads, greeting cards, resumes, and even web sites. Students focus on proper text and graphic layout while working with multiple page documents.	

451 Microsoft Word 2007	One Quarter
Grades: 10, 11, 12	Credit: .25
Prerequisite: None	
Word is the word processing component of the Microsoft Office Suite. Students learn the fundamentals of Word 2003 by creating announcements, business letters, research papers, reports, form letters, and newsletters. Projects such as these demonstrate how to use spell checkers, a thesaurus, how to insert an organized table of data, apply a chart to data, and how to add clip art to visually enhance the document.	
458 Microsoft Visual Basic 2005	One Quarter
Grades: 11, 12	Credit: .25
Prerequisite: None	
Visual Basic is a tool that allows students to create software applications for the Windows operating system. Students create desktop applications, software components, and applications targeted for the Windows operating system. Students also create applications targeted for the internet or intranets.	
459 PC. Tech. Support	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
This course is designed to provide instructor lead and hands-on training that enables students to grasp personal computer service issues. Students are trained to build, upgrade, and repair personal computers as well as troubleshoot common problems. Installation, configuration, and maintenance of peripheral devices including monitors and printers will be introduced. The student will also learn how to partition and format hard disks, install and configure DOS, use DOS commands, install and configure PC peripherals, and troubleshoot DOS and Windows XP and Vista.	
460 Network Foundations	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
This course covers a wide range of material about Internet technologies, from using the Internet to demonstrating how the Internet works, using different Internet protocols, programming on the Internet, the Internet infrastructure, security, and e-commerce.	
461 Adobe Photoshop	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
This course introduces the student in the worlds leading photographic editor. They will be able to edit photographs, and place those photographs into print, web pages and other multimedia.	
462 Adobe Flash	One Quarter
Grades: 9, 10, 11, 12	Credit: .25
Prerequisite: None	
Adobe Flash CS3 Professional software is the most advanced authoring environment for creating rich, interactive content for digital, web, and mobile platforms. Create interactive websites, rich media advertisements, instructional media, engaging presentations, and more.	
463 Network Security	One Quarter
Grades: 10, 11, 12	Credit: .25
Prerequisite: Network Foundations	
To provide the student with a fundamental understanding of network security principles and implementation. Students will learn about the technologies used and principles involved in creating a secure computer networking environment.	