	CS Offered?	Course Title	Required
Acton Boxborough	X	Intro to JAVA Programming	Elective
Acton Boxborough	X	JAVA Programming	Elective
Acton Boxborough	X	Design Engineering I	Elective
Acton Boxborough	X	Design Engineering II	Elective
Acton Boxborough	X	Design Engineering III/IV	Elective
Acton Boxborough	X	Digital Imagery I	Elective
Acton Boxborough	X	Digital Imagery II	Elective
Acton Boxborough	X	Web Page Design	Elective
Acton Boxborough	X	Animation	Elective
Acton Boxborough	X	Technology Skills Survey	Elective
Amesbury	X	Digital Imaging 1 and 2	Elective
Amesbury	X	Internet and Web Page Devel	Elective
Amesbury	X	3D Computer Animation	Elective
Amesbury	X	Video Game Programming	Elective
Ashland	X	Introduction to Web Design	Elective
Ashland	X	Web Design 2	Elective
Ashland	X	Animation with Flash	Elective
Ayer-Shirley	X	Advanced Computer Program	Elective
Barnstable	X	Information Literacy and Tech	Required
Barnstable	X	Information Literacy and Tech	Required
Barnstable	X	Information Literacy and Tech	Required
Barnstable	X	21st Century Technology Esse	Elective
Barnstable	X	Multimedia	Elective
Barnstable	X	Broadcasting and Media	Elective
Barnstable	X	Broadcasting 2	Elective
Berkley			
BPS(Alpha Robotic Work	X	Robotics Consultant	Elective
Braintree			
Brookline	X	Computer Science Engineerin	Elective
Brookline	X	Computer Science Engineerin	Elective
Brookline	X	Computer Programming in Qu	Elective
Brookline	X	Computer Programming in Qu	Elective
Brookline	X	Principles of Computer Tech:	Elective
Brookline	X	Principles of Computer Tech:	Elective
Brookline	X	Principles of Computer Tech:	Elective
Brookline	X	Computer Applications (1st S	Elective
Brookline	X	Computer Applications (2nd	Elective
Brookline	X	Advanced Computer Applicat	Elective
Brookline	X	Computer Programming in C+	Elective
Brookline	X	Computer Programming in C+	Elective
Brookline	X	AP Computer Science	Elective
Brookline	X	Computer Programming with	Elective
Brookline	X	Computer Programming with	Elective

Brookline	X	Web Site Design (1st Semest	Elective
Brookline	X	Web Site Design (2nd Semes	Elective
Brookline	X	Web Site Management	Elective
Dean Tec Vocational High School			
Dedham High School	X	Computer Science Honors	Elective
Dedham High School	X	Computer Science AP	Elective
Dennis Yarmouth Region	X	Introduction to Computer Sci	Elective
Dennis Yarmouth Region	X	Advanced Placement Comput	Elective
Dennis Yarmouth Region	X	Cisco Networking Academy	Elective
Dennis Yarmouth Region	X	Computer Animation	Elective
Dennis Yarmouth Region	X	ICT Essentials	Elective
Dennis Yarmouth Region	X	Integrated Technologies	Elective
Dennis Yarmouth Region	X	Computer Repair and Mainte	Elective
Dennis Yarmouth Region	X	Desktop Publishing and Digita	Elective
Dennis Yarmouth Region	X	Game Development Essential	Elective
Dennis Yarmouth Region	X	Web design I	Elective
Dennis Yarmouth Region	X	Web design II	Elective
Dennis Yarmouth Region	X	Robotics	Elective
Dighton-Rehoboth Regional			
Easthampton	X	Introduction to Programming	Elective
Easthampton	X	Web Design I and II	Elective
Easthampton	X	International Business and Te	Elective
Easthampton	X	Computer Concepts	Elective
Easton	X	Technology	Required
Easton	X	Web Page Design	Elective
Easton	X	Microsoft Word	Elective
Education Cooperative (1	X	Introduction to computer sci	Elective
Education Cooperative(T	X	Web Sites, Wikis and Blogs	Elective
Education Cooperative (1	X	Cybercrime and Security	Elective
Framngham	X	Basic Web Design / HTML CP1	Elective
Framngham	X	Electronics CP1	Elective
Framngham	X	Programming in C++ Honors	Elective
Framngham	X	AP Computer Science	Elective
Framngham	X	Introduction to Gaming	Elective
Gill-Montague	X	Microsoft Office 2007	Elective
Gosnold	N/A		
Greenfield	X	Web Design I	Elective
Greenfield	X	Web Design II	Elective
Greenfield	X	Computer Applications	Elective
Greenfield	X	Desktop Publishing	Elective

Greenfield	X	Film Production	Elective
Greenfield	X	Computer Aided Drawing	Elective
Greenfield	X	Computer Animation	Elective
Haverhill	X	Computer Applications	Required
Haverhill	X	Web site design	Elective
Haverhill	X	Advanced website design	Elective
Haverhill	X	Flash animation	Elective
Haverhill	X	Game design	Elective
Haverhill	X	CAD	Elective
Haverhill	X	Robotics (cricket technology)	Elective
Haverhill	X	AP Computer science	Elective
Haverhill	X	Variety of stats courses using	Elective
Haverhill	X	Robotics (cricket technology)	Elective
Holyoke High School	X	Microsoft Office Suite	Elective
Holyoke High School	X	Microsoft Office Users	Elective
Holyoke High School	X	Adobe Illustrator	Elective
Holyoke High School	X	Publication & Production	Elective
Holyoke High School	X	web page desin & developme	Elective
Lawrence	X	Computer Class	Elective
Malden Catholic	X	Computer Application Usage	Elective
Malden Catholic	X	Web Design	Elective
Malden Catholic	X	Compuuter Programming in J	Elective
Manchester Essex Regior	X	INTRODUCTION TO COMPUTI	Elective
Manchester Essex Regior	X	COMPUTER SCIENCE AP COM	Elective
Marshfield Public School	X	Computer Applications	Required
Masconomet Regional H	X	Computer Science I	Elective
Masconomet Regional H	X	Computer Science I (H)	Elective
Masconomet Regional H	X	Computer Science II	Elective
Masconomet Regional H	X	Computer Science II (H)	Elective
Masconomet Regional H	X	Computer Sciende III	Elective
Masconomet Regional H	X	Computer Science III(H)	Elective
Masconomet Regional H	X	Computer Science AP	Elective
Masconomet Regional H	X	Computer Science - Gaming	Elective
Masconomet Regional H	X	Intro to Mass Media	Elective
Masconomet Regional H	X	Mass Media	Elective
Massachusetts Academy	X	Computer Science	Elective
Massachusetts Academy	X	Introduction to Program Desi	Elective
Massachusetts Academy	X	Object-Oriented Design Conc	Elective
Massachusetts Academy	X	Systems Programming Conep	Elective
Massachusetts Academy	X	INTRODUCTION TO MACHINE	Elective
Methuen	X	Technology Engineering	Elective
Minnechaug Regional Hi	X	Computer Science 1 - Alice	Elective
Minnechaug Regional Hi	X	Computer Science 2 -	Elective
Minnechaug Regional Hi	X	Visual BasicComputer Science	Elective
Minnechaug Regional Hi	X	Advanced Topics Visual Basic	Elective

Minnechaug Regional Hi	X	AP Computer Science 1 - Java	Elective
Minnechaug Regional Hi	X	AP computer Science 2 - Java	Elective
Minnechaug Regional Hi	X	Programming Web Pages - HT	Elective
Minnechaug Regional Hi	X	Website Management - HTML	Elective
Minnechaug Regional Hi	X	Computer Literacy -	Elective
Minnechaug Regional Hi	X	AutoCad	Elective
Minnechaug Regional Hi	X	Robotics	Elective
Natick	X	AP Comp Sci (JAVA)	Elective
Natick	X	A+ Certification	Elective
Natick	X	Independent Study Network -	Elective
Northbridge	X	Advanced Computer Applicat	Elective
Northbridge	X	Basic Computer Applications	Elective
Northbridge	X	Web Page Design 1	Elective
Northbridge	X	Web Page Design 2	Elective
Northbridge	X	Computer Programming 1	Elective
Northbridge	X	Computer Programming 2	Elective
Northbridge	X	Desktop Publishing	Elective
Northbridge	X	Computer Graphic Design	Elective
Norwell			
Notre Dame Academy	X	Introduction to computer sci	Elective
Notre Dame Academy	X	AP Computer Science	Elective
O'Bryant	X	Computer Literacy	Elective
O'Bryant	X	Microsoft User	Elective
O'Bryant	X	Webmaster	Elective
O'Bryant	X	eCommerce	Elective
O'Bryant	X	Cisco 1	Elective
O'Bryant	X	Cisco 2	Elective
O'Bryant	X	Web Design 2	Elective
O'Bryant	X	Oracle Databasing	Elective
Plymouth	X	Computer Science	Elective
Reading	X	Computer Applications	Elective
Reading	X	CAD I and CAD II	Elective
Reading	X	Honors Engineering	Elective
Reading	X	Introduction to Programming	Elective
Revere	X	Robotics	Elective
Salem	X	Internet Web Design	Elective
Salem	X	Computer Applications	Elective
Salem	X	Programming I	Elective
Salem	X	Programming II	Elective
Salem	X	Keyboarding/ Computer Skills	Required
South Hadley	X	Introduction to Computer Ap	Elective
South Hadley	X	Computer Science 1	Elective

South Hadley	X	Computer Science 2	Elective
South Hadley	X	Computer Science 3	Elective
South Hadley	X	Computer Science 4	Elective
Springfield	X	Instruction Technology	Elective
Springfield	X	Applications of Technology 1	Elective
Springfield	X	Applications of Technology 2	Elective
Springfield	X	Visual Basic	Elective
Springfield	X	C++	Elective
Springfield	X	AP Computer Science	Elective
Springfield	X	Computer Graphics I	Elective
Springfield	X	Computer Graphics II	Elective
Springfield	X	Desktop Publishing I	Elective
Springfield	X	Desktop Publishing II	Elective
Taunton	X	Introduction to Business Tech	Elective
Taunton	X	Microsoft Office 2007 I	Elective
Taunton	X	Microsoft Office 2007 II	Elective
Taunton	X	Computer Technology I	Elective
Taunton	X	Computer Technology II	Elective
Taunton	X	Computer Concepts	Elective
Taunton	X	Digital Media Design	Elective
Taunton	X	Office Management	Elective
Taunton	X	Web Design	Elective
Taunton	X	Web Design II	Elective
Taunton	X	Video Game Design	Elective
Taunton	X	Programming I	Elective
Taunton	X	Programming II	Elective
Taunton	X	AP Programming	Elective
Taunton	X	CAD I (Computer Aided Desig	Elective
Taunton	X	CAD II (Computer Aided Desig	Elective
Taunton	X	CAD III (Computer Aided Desi	Elective
Taunton	X	CAD IV(Computer Aided Desig	Elective
Taunton	X	CAD V (Computer Aided Desig	Elective
Taunton	X	Graphics I	Elective
Taunton	X	Graphics II	Elective
Taunton	X	Graphics III	Elective
Taunton	X	Graphics IV	Elective
Tyngsborough			
Walpole	X	Computer Applications I	Elective
Walpole	X	Computer Applications II	Elective
Walpole	X	Computer Programing	Elective
Walpole	X	Web Design	Elective
Walpole	X	Drafting	Elective
Watertown	X	Computer Applications	Elective
Watertown	X	Advanced Computer Applicat	Elective
Watertown	X	SolidWorks-3D Design Concep	Elective

Watertown	X	CAD Applications	Elective
Watertown	X	Maintaining Your Computer	Elective
Watertown	X	Advanced Computer Repair	Elective
Watertown	X		Elective
Watertown	X	Engineering by Design	Elective
Wellesley	X	Intro to Programming	Elective
Wellesley	X	AP Computer Science	Elective
West Bridgewater	X	Computer Science I	Elective
West Bridgewater	X	Computer Science II	Elective
West Bridgewater	X	Software Applications	Elective
West Bridgewater	X	Desktop Publishing	Elective
West Bridgewater	X	Network Management	Elective
West Bridgewater	X	Website Development	Elective
West Bridgewater	X	Computer Fundamentals	Elective
Westborough	X	Advanced Placement Comput	Elective
Westborough	X	Computer Science	Elective
Westborough	X	Java2 - Robotics & Gui's	Elective
Westborough	X	Visual Basic I	Elective
Westborough	X	Visual Basic II	Elective
Westborough	X	Computer Multimedia Design	Elective
Westborough	X	Web Page Design 1	Elective
Westborough	X	Web Page Design 2	Elective
Westborough	X	Explorations in Computer Tec	Elective
Westborough	X	Integrated Computer Applicat	Elective
Westfield	X	MS Word	Elective
Westfield	X	MS Excel	Elective
Westfield	X	MS PowerPoint	Elective
Westfield	X	MS Access	Elective
Westfield	X	Intro to Computers	Elective
Westfield	X	Web Page Design	Elective
Westfield	X	Desktop Publishing	Elective
Westfield	X	Quickbooks	Elective
Weston High School	X	AP Computer Science	Elective
Weston High School	X	Intro Programming	Elective
Weston High School	X	Concepts	Elective
Weston Middle School	X	Lego Robotics	Elective
Weston Middle School	X	Advanced Lego Robotics	Elective
Westport	X	CAD (Computer Aided Design	Elective
Westport	X	Multimedia I Digital 2D Anima	Elective
Westport	X	Multimedia II Digital 3D Anim	Elective
Westport	X	Digital Media	Elective
Westport	X	Video Yearbook	Elective
Westport	X	Tech Fluency	Elective
Westport	X	Web Page Design	Elective
Westport	X	Advanced Computer Applicat	Elective

Weymouth	X	(CP) Java Programming I	Elective
Weymouth	X	(CP) Java Programming II	Elective
Weymouth	X	AP Computer Science	Elective
Weymouth	X	Computer Graphics	Elective
Whitman Hanson	X	Technology Integration	Elective
Whitman Hanson	X	Computer Applications	Elective
Whitman Hanson	X	Computer Aided Design	Elective
Wilmington	X	Visual Basic	Elective
Wilmington	X	Gaming with C# and XNA	Elective

Class Level	Grade Level				Length			Level			Real CS
	9	10	11	12	Semester	Quarter	Full Year	AP	HONORS	Other	
High School			X	X							X
High School			X	X							X
High School	X	X	X	X							
High School		X	X	X							
High School			X	X							
High School	X	X	X	X							
High School	X	X	X	X							
High School	X	X	X	X							
High School	X	X	X	X							
High School	X	X									
High School	X	X	X	X		X				X	
High School	X	X	X	X		X				X	
High School	X	X	X	X		X				X	
High School	X	X	X	X		X				X	X
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School			X	X	X				X		X
Middle School										X	
Middle School										X	
Middle School										X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School		X	X	X						X	
High School			X	X						X	
Elementary School										X	X
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School		X	X	X	X				X		X
High School		X	X	X	X					X	X
High School		X	X	X	X					X	X
High School			X	X			X	X			X
High School		X	X	X	X					X	X
High School		X	X	X	X					X	X

School Type											
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	
High School		X	X	X	X					X	
High School							X		X		X
High School							X	X			X
High School		X	X	X			X		X	X	X
High School			X	X			X	X			X
High School		X	X	X			X			X	
High School		X	X	X	X					X	
High School	X	X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School			X	X	X					X	
High School	X	X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X						X	X
High School	X	X	X	X						X	
High School			X	X						X	
High School	X	X	X	X						X	
Middle School										X	
High School	X	X	X	X						X	
High School										X	
High School	X	X	X	X	X						X
High School	X	X	X	X	X					X	
High School			X	X	X						
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	
High School	X	X	X	X			X		X		X
High School				X			X	X			X
High School	X	X	X	X	X					X	X
High School	X	X	X	X							
										X	
High School	X	X	X	X	X					X	
High School		X	X	X	X					X	
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	

Type										
High School		X	X	X	X				X	
High School	X	X	X	X	X				X	
High School		X	X	X	X				X	
High School	X				X				X	
High School		X	X	X	X				X	
High School		X	X	X	X				X	
High School		X	X	X	X				X	
High School		X	X	X	X				X	
High School		X	X	X	X				X	
High School		X	X	X	X				X	
High School			X	X			X	X		X
High School			X	X			X		X	
Middle School					X					
High School									X	
High School									X	
High School									X	
High School									X	
High School									X	
High School	X	X							X	
High School	X				X				X	
High School		X	X	X	X				X	
High School			X	X	X				X	X
High School		X	X	X	X				X	X
High School		X	X	X			X	X		X
High School							X		X	X
High School	X	X	X				X		X	X
High School	X	X	X				X	X		X
High School	X	X	X				X		X	X
High School	X	X	X				X	X		X
High School	X	X	X				X		X	X
High School			X	X			X	X		X
High School			X	X			X		X	X
High School	X	X	X	X			X		X	
High School	X	X	X				X		X	
High School		X	X	X			X		X	
High School			X						X	X
High School				X					X	X
High School				X					X	X
High School				X					X	X
High School				X					X	X
Middle School										
High School					X					X
High School					X					X
High School					X					X
High School					X					X

Type											
High School					X						X
High School					X						X
High School					X						
High School					X						
High School					X						
High School					X						
High School					X						
High School			X	X							X
High School		X	X	X							
High School			X	X							
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	X
High School	X	X	X	X						X	X
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School		X	X	X						X	
High School		X	X	X			X	X		X	
High School	X	X	X	X						X	
High School		X	X	X						X	
High School			X	X						x	
High School			X							X	
High School				X						X	
High School			X							x	
High School				X						X	
High School				X						X	
High School										X	X
High School	X	X	X	X	X					X	
High School			X	X	X					X	
High School					X		X		X		
High School	X	X	X	X	X					X	X
Middle School										X	
High School		X	X	X						X	
High School		X	X	X						X	
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School	X	X	X	X						X	
High School	X	X	X	X	X					X	
High School	X	X	X	X			X				X

High School		X	X	X			X			X	X
High School			X	X			X			X	X
High School				X			X			X	X
Elementary and Middle School										X	
High School										X	
High School										X	
High School										X	X
High School									X	X	
High School							X	X		X	
High School											
High School											
High School											
High School											
High School	X				X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School	X	X	X	X	X					X	X
High School			X	x	X				X	X	
High School		X	X	X			X	X		X	
Middle School	X				X					X	
High School		X	X	X	X					X	
High School			X	X	X					X	
High School				X	X					X	
High School				X	X					X	
Middle School	X	X			X					X	
High School		X	X	X	X					X	
High School			X	X	X					X	
High School				X	X					X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	X
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	

Type											
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School	X	X	X	X						X	
High School			X	X						X	
High School	X	X	X	X	X					X	X
High School		X	X	X			X	X			X
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	X
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	
High School	X	X	X	X	X					X	
Elementary and Middle School					X					X	
High School			X	X			X	X			X
High School		X	X	X			X			X	X
High School			X	X	X				X		X
High School		X	X	X	X					X	X
High School		X	X	X	X				X		X
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School		X	X	X	X					X	
High School	X	X			X					X	X
High School	X	X			X					X	
High School	X	X								X	
High School			X	X						X	
High School	X									X	
High School		X	X	X						X	
High School	X									X	
High School	X	X	X							X	
High School			X	X						X	
High School				X						X	
High School							X	X			X
High School					X					X	X
High School					X					X	X
Middle School											
Middle School											
High School		X	X	X	X					X	
High School	X	X	X	X						X	
High School		X	X	X						X	
High School	X	X	X	X						X	
High School				X						X	
High School	X									X	
High School	X	X	X	X						X	
High School											

School											
High School		X	X	X	X				X	X	X
High School		X	X	X	X				X	X	X
High School			X	X			X	X			X
High School		X	X	X	X						
Middle School											
High School	X	X	X	X						X	
										X	
High School		X	X	X	X					X	X
High School		X	X	X	X					X	X

Networking	Computational Literacy	Animation/Modeling/Game	Robotics/	Web Development
		Characterization		
		X		
		X		
				X
		X		
	X			
		X		
				X
		X		
				X
				X
		X		
	X			
	X			
	X			
	X			
		X		
		X		
		X		
			X	
Networking	Computational Literacy	Animation/Modeling/Game	Robotics/	Web Development

				X
				X
				X
X				
		X		
				X
	X			
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Computer Repair/Maintan	Other	Number of students enrolled
		22
		28
	X	11
	X	3
	X	2
		24
		2
		24
		12
		25
		250
		80
		40
		75
		45
		25
		20
		12
		about 400
		about 400
		about 400
		16
	X	31
		24
		19
		15
		14
		16
X		0
X		0
X		0
		0
		0
		0
		0
		0
		0
		0
		0

		0
		0
		16
		16
		4
		185
X		
		120
		15
		60
2-		60
	X	632
		138
		20
		20
	X	20
		50
		50
		18
		3
		100
		36
		20
		12
		8
		14
		6

		16
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		500
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	X	
		20
X		29
		2
		84
		43
		137
		5
		6
		3
		57
		71
		14
		7
	X	275
	X	50-75
	X	15
		90
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		25
		5
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		250
		7

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		10
		50
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		20
		10
		90
		25
		14
		4
		2
	X	80
	X	40
	X	20
	X	20
	X	8
		140
		60
		60
		20
		71
		74
		35
		48
	X	23
		6
	X	16

		13
		24
X		
		39
	X	40
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	13 available	
	13 available	
	13 available	
	13 available	
	13 available	
	13 available	
	13 available	
	13 available	
		22
		22
		15
		190
		40
	X	13
		73
		24
		48
		17
		99
		20

		100
		20
		20
		60

Notes

Braintree once had a full compute

does not offer CS course

had CS but not anymore see note

pre req - Web Design I

offered at WPI
offered at WPI
offered at WPI
offered at WPI

Enrollment in STC Pathway
Enrollment in STC Pathway
Cisco 1
eCommerce Pathway
eCommerce Pathway

has a prerequisite of Algebra I

has a prerequisite of Computer S
has a prerequisite of Computer S
has a prerequisite of Computer 3

virtual high schools offers online j

Honors has a prereq of 75% of be
Honors has a prereq of honors Jav
prereq of honors Java prog I and
prereq ofjava prog I

Course Descriptions

This course will serve as an introduction to computer programming using the Java Language. The languag

This course is designed for students who have programming experience. It will follow the Advanced Place

Technical Drawing I is a computer aided design (CAD) course designed to acquaint the student with the ba

Technical Drawing II is a computer aided design (CAD) course designed to follow a natural progression of I

Advanced study of technical drawing is for students who have completed two years of drafting and wish t

Students of Digital Imagery 1 will learn to use professional-level software to create a variety of graphic de

Students of Digital Imagery II will continue to learn new Photoshop and InDesign techniques while creatir

Web Page Design provides opportunities for students to create and design a multiple page website. The c

This course guides students through the basics of animation on and off the computer. They will study the

The goal of the course is for students to create a base of knowledge in 21st century information and tech

Prerequisite: C- or better in Digital Imaging; This course will explore the development of 3D animation an

This course focuses on the use of computerized digital imaging products to enhance still pictures and create comput

This course will introduce students to website design and development. Multiple techniques will be explored to cre

Students in this course will be utilizing 2D and 3D graphics to program and interactive user experience. The softwa

Nuts & bolts web design course focusing on HTML & CSS

Advanced course in web design with HTML, CSS & JS

A course for learning how to use Flash

Java Programming class, 5 Credit, 90 min. Semester Course Students receive Collage Credit for B or better.

ILT introduces students to digital citizenship,information literacy by exploring the tools needed to; researc

ILT continues to expand on digital citizenship and information literacy by exploring the tools needed to; re

ILT continues to expand on digital citizenship and information literacy by exploring the tools needed to; re

This course covers the basic skills that all individentering today's workforce must have. It focuses on comr

This class will use Windows Movie Maker, AdobeSuites, iMovie, and Final Cut Pro to create new products

In this creative, hands-on course, the classroom becomes a broadcasting and filmmaking studio where stu

er Science set of course offerings and had two tecahers with masters in computer science. We had a cours

This academic course is the first year in a two-year AP computer programming sequence. The fundament
This course continues from the Computer Science Honors to explore advanced topics in structured and ol
Introduction to Computer Science is offered to all upper class students who are highly motivated and will
This course is designed as a first year college level computer science course to help prepare students to t
The Networking Academy program com-bines lectures and online learning with hands-on laboratory exer
This course is offered to expand and enrich the student's education using state-of-the-art computer softw
This hands-on course in information communication technology will expose students to current and emer
In this hands-on course students will learn to use advanced feature in word processing, spreadsheets and
This course is designed for students who want to learn about how computers operate or who wish to exp
This course includes the use of desktop publishing to create pages and documents to specification; impor
This course will explore the principles, concepts and components in Game Design and Development. Lea
This course is offered to expand and enrich the student's education using state-of-the-art technologies.
Learning will be collaborative, hands-on and project based. Problem solving, organizational skills,
creativity, and a positive attitude toward technology are key components to the students' success in this
This course is offered to expand the students knowledge of Wed Design. Having completed Web Design
the student has gained a strong background in the use of HTML coding and an industry standard web
Engaged Learners use the Engineering Design Process to model real-life mechanisms as they combine
creativity, logic, and problem solving skills to meet challenges with today's technologies while utilizing
necessary mathematical, scientific, technological, and engineering concepts. Students construct robots

INTRODUCTION TO PROGRAMMING (PROGRAMMING I & II WILL BE OFFERED IN 2011) Introductory cour
Web Design I and II - web design and theory, graphics and animations.
International Business and Technology - Students learns to apply technology to manage International Bus
Basic Computer Skills, Intro to MS Office, MS Excel, MS Access, Basic Programming with HTML, intro to

The purpose of Introduction to Computer Science is to provide an introduction to the field of computer sc
Web Sites, Wikis and Blogs is designed to develop a student's understanding of various tools that can be
Cybercrime and Security is an exploration into the motives of cyber criminals, the means with which they
Make Web Sites! Students will learn how to create web pages, search for and use on-line information, acces
This course is an introduction to basic electricity theory and electronics. The student will learn how to ident
Programming in C++ is for the new computer student. Concepts and theory will start from the very beginnin
This is a full year course for students who have completed one year of C++ or one year of JAVA programmin
Learn how to design and make your own video game! This course introduces students to the key concepts o
covering the areas of Word, Excel and Powerpoint

Students will learn to code both HTML and CSS by hand to create websites. Once the students possess a s
Students will learn to use SwishMax 2 to design flash scripts, games, and splash screens to be used in all f
Professional Suite, including the most widely used microcomputer applications: Word, Excel, Access, and
Students will learn about film production by producing short PSA, documentaries, and short films. The co

This is a foundation course useful to all other classes in the Technology Program of Studies. Computer Aid
Students build upon the skills learned in Film Production to produce several short Public Service Announc

 introduction to the Microsoft Office Suite
advanced techniques
introductory course
basic photoshop skills
use web programs to create a web page
basic applications
Semester Course, covers basic application features of MS Ofice 2007
Coding and creating web graphics are emphasized.
Semester course, outlined the fundamentals of computer science including a historical look, computer ethics,
then moving into core principles of programming and problem solving with JAVA. Covers programming basics,
2.5 Credits Computer programming in Java will be taught at an introductory level. Topics covered include
This course continues the study of computer programming at an Advanced Placement level, following the

Computer Science at Mass Academy is designed to teach problem solving skills through the use of techno
This course introduces principles of computation and programming with an emphasis on program design.
This course introduces students to an object-oriented model of programming. this course shows how pro
This course introduces students to a model of programming where the programming language exposes d
This course introduces students to the structure and behavior of digital computers at several levels of abs
teacher engineering standards using technology: PowerPoint, Word Processing, Internet

first component requirements for IC3 certification program (WORD, EXCEL, PowerPoint)IC3 -

CompTia computer repair license

This course will cover topics of advanced computer literacy and is designed for students who already have
This course will cover topics in computer literacy and is designed for students who want to improve upon
The emphasis of the course will be an understanding of HTML, CSS, and their use in the creation of web p
The emphasis of the course will be an understanding of advanced elements in HTML, CSS, Javascript and
This course will cover programming methodology with an emphasis on problem solving and algorithm rat
This course is the next in the programming sequence. It is intended for students who have successfully co
This course incorporates project-based learning through technology and individualized instruction. The er
This course will cover the topics of creating graphics. The emphasis will be on understanding how to use

An introduction to programming
AP Computer Science A course

This career oriented shop is designed to provide students with state-of-the-art processing knowledge req
Students are required to use a variety of computer applications in school and at work. Although students may
know the basics of software, they often are unaware of the full ability of these and other online tools. This course
This course is an introduction to the use of computer software to draw and render two and three dimensional
models of mechanical objects. This course is intended to provide interested students with skills they will need in
requires permission of the instructor. It will involve teams of students working on design projects, including
external engineering competitions, such as the Real World Design project or Robotics First. Individual design
projects will also be performed. Although prior or current enrollment in CAD I and II is encouraged, it is not
The course will use a sequence of several object-oriented design programs as an introduction into the field of
computer programming using Java. Interactive computer graphics, user interface design, and some fundamental
Students use Legos and iCreate to build robots . The robots are programmed using either Robotic C or Interactive C
Using the Internet, students will learn proper search convention and Internet search techniques. Students
Comprehensive computer course highly recommended for students with good keyboarding skills. Essential
This semester course is an introduction to computer programming. Course will focus on Java programming
This semester course is a follow up to Programming I Course will focus on Java programming language
This course is designed to teach students proper and speed keyboarding and formatting techniques. Accu
This course is an introduction to computer applications. Students will create projects using Microsoft Wor
This course is an in-depth study of Visual basic. Students will write programs using the Visual Basic langua

This course is an in-depth study of the Java programming language. Programs will be written to solve vari
In this course the student will work independently on an advanced course of programming in C++. The stu
In this course the student will work independently on a programming project of his/her choice, subject to

This course will provide a better understanding of technology, its functionality, its history, and its involven
This course will explore more advanced topics from Applications of Technology I. It will include study of
This course explores a commonly used graphically oriented language that allows for the easy construction
Students in this course will learn a leading edge programming language and paradigm – C++ Object-Orien
This course is a project oriented study of computer science using the Java programming language. As you
This course provides experience with graphics software which facilitates the creation, manipulation, and n
This course is designed to continue the study of the programs and techniques introduced in Computer Gr
This course provides students with a basic understanding of the concepts and terminology used for the pi
This course teaches students advanced techniques for using Software Applications as a desktop publishin
This course gives students the opportunity to develop integrated PC application skills required for the cor
This course is an introduction to computers dealing with concepts and software applications. This course
This course will include an in-depth study of spreadsheets including the database and graphic capabilities
This course offers competence in areas such as installation, preventative maintenance, networking, secur
In this class students will obtain competency in managing, maintaining, troubleshooting, installing and co
This course will train the student on the use of Computer software, hardware and technology. The studei
This course is an introduction to the use of Digital Media Design principles in a computerized business en
In this course students will be introduced to the following personal/human relation skills that are vital to
In this course students will be introduced to the following personal/human relation skills that are vital to
This course prepares students with work related skills for advancement into post secondary education an
This class offer students the opportunity to learn how to effectively implement game ideas using a compr
This is a semester course intended for the college bound student to develop programming skills in C++. It
Prerequisite: The student must earn a C or better in Computer Programming I and/or permission of the r
Prerequisite: The student must earn a C or better in Programming II and/or the permission of the mathen
Prerequisite: C or better in Algebra I and/or permission of the mathematics supervisor. ;This course is des
Prerequisite: C or better in CAD I; This course is designed to give students a deeper understanding of com
Prerequisite: C or better in CAD II; This course deals with CAD software program in a more sophisticated r
Prerequisite: C or better in CAD III; This course is designed to allow students to apply their acquired skills
Prerequisite: C or better in CAD IV; This course provides advanced students with the opportunity to comp
This course introduces students to the exciting field of graphic design. In this course, communication, des
Prerequisite: C or better in Graphic Design I; This course is designed to give students a deeper understand
Prerequisite: C or better in Graphic Design II; This course will reinforce design skills and knowledge learne
Prerequisite: C or better in Graphic Design III ; This course is designed for dedicated students committed t
ava
This is an essential and practical course for every student, whether they are considering going on to college
In this course students learn how to communicate using the computer as a tool. The fundamentals of Word,
This course examines the basic computer programming concepts and techniques. Students
This course examines web site development. Students will learn how to plan and construct
Drafting is exploration of modern drafting technology. Student begin by using pencil and paper sketching
Learn the basic skill requirements in today's world of work including basic computer operations and Inter
Learn computer applications the right way painlessly and learn to verify website content when doing inte
This course will teach students how to create engineering drawings of parts and assemblies using SolidW

This course will enable students to experience real-world career activities performed by architects, engine
No knowledge of computers needed. Do you own a computer at home? Will you need a computer after
This is an excellent opportunity for students to prepare themselves for a future in engineering, computer
Each student will optimize the network computer systems for maximum performance, protection from in
Engineering by Design is a full-year, project-based course designed to introduce students to the world of t

This course is designed to develop the student's comprehension of computers and computer programmin
This course is a continuation of the Computer Science I course. The course will require students to design
This course is intended to continue to develop a student's computer literacy by reinforcing the skills nece
Design leaflets! Set up the layout of a newspaper! Make note cards! Let your creativity show! Make a fan
This is an introductory course for students who are interested in exploring the vast resources available on

AP Computer Science in preparation for the the ETS AP Exam - (Full Year)
First course in Java programming - (Full Year)
Advanced course in Java programming (one semester)
First course in Visual Basic (one semester)
Advanced Visual Basic (one semester)
First course in multimedia design using MacroMedia Director (one semester)
First course in Web Design (one semester)
Advanced course in Web Design (one semester)
Introductory course in computer programming, web design and mulitmedia (one semester)
MS Office software - (one semester)
Microsoft Word 2007
Microsoft Excel 2007
Microsoft PowerPoint 2007
Microsoft Access 2007
Intro to various aspects technology
FrontPage
Use Word/Publisher
Computerized Accounting
The emphasis of this course is on the logical thinking and understanding of computers necessary to solve
This course is intended for students who want an in-depth introduction to computer programming. The c
This course is intended for students who want to broaden and deepen their knowledge about computers.
Introduction to Lego Robotics and NxT-G Computer Programming
Advanced Lego Robotics; Programming with NxT-G Complete Palette
In this semester long course, students will be introduced to AutoCAD 2007, the premier Computer-Assiste
If you always wanted to try your hand at making a cartoon animation just like those seen on television an
Learn to use a 3D animation program to model and develop architectural designs. Design your own home
Ever wonder what it would be like to direct your own short movie? Ever wonder how Steven Spielberg dir
In this class, you will create the memories that will last a lifetime. Students are in charge of all aspects for
This quarter long course develops students' proficiency in the use of computer productivity tools such as
This quarter long course introduces students to the —how to‖ of web page design. Students will learn th
In this quarter long course students will be introduced to some of the advanced features and integration

This course is designed to introduce students to the fundamental concepts of computer programming usi
This course is an extension of JAVA Computer Programming I. Advanced programming techniques will be
This advanced placement course provides a rigorous study of programming techniques using JAVA. Topic
This course is designed to introduce students to the fundamentals of computer graphics including 2-D dra

VISUAL BASIC (A) - COURSE #4132 2.5 credits In this half year course, Visual basic 2008 is presented. Stud
GAMING WITH C# AND XNA (A) - COURSE #4133 2.5 credits This half year course introduces students to C

e and syntax and semantics will be discussed, as well as the elements of algorithm design and deve

ment course description for Computer Science using JAVA. The course will emphasize these aspect

asic principles and techniques of architectural drafting and mechanical drawing as well as the desig

learning in one of the two main foci of Technical Drawing I, either mechanical drawing or architectu

to develop expertise in the field of either mechanical or architectural design through guided practic

sign projects. Students will learn to use Adobe Photoshop for image editing and Adobe InDesign fo

ng a variety of original artworks. This course has a special focus on the use of digital photography a

ourse focuses on the use of HTML, CSS, Photoshop CS2 and Dreamweaver CS3. Students create ori

history of animation and foundations essential to the animation field. Students will view examples

nology skills and concepts that will give students the confidence to use technology to improve and

d modeling for use in video games and film. Students will learn techniques such as creating simple

ter animated productions. We will explore the use of digital imaging to present ideas. Creation of your own d

ate personal and business web pages and designs. Skills for creating a good looking and professional website

re tools ALICE and Action script will be used to learn the basics of creating a playable video game. Students

ch, create, publish, discuss and manage inforamtion.

esearch, create, publish, discuss and manage inforamtion. A closer look at web tools and services a

esearch, create, publish, discuss and manage inforamtion. We continue to introduce tools, skills and

munication skills needed to survive in an internet based society. We will cover keyboarding, office a

and programming for Channel 22. We will create promotional programs to let the community kno

udents have the opportunity to learn how to tell stories using our state-of -the-art video and audio

e below APCS and a course above APCS. I was one with a masters in computer science from BU. I h

al ideas of programming are taught utilizing demonstration, lecture, and hands-on programming te
bject-oriented programming. Students prepare for the Advanced Placement Examination in Compu
ing to work independently. No previous computer experience is required. This course is designed
ake the Advanced Placement Computer Science Examination and to explore advanced programmin
cises in which students apply what they learn in class while working on actual networks. From basi
vare tools. Maya is the industry leading software in the field of computer graphics rendering and a
rging technologies that will enable them to be successful in the workforce or post-secondary educa
l databases to present information, manipulate (organize, edit, enter, perform calculations) data, ar
lore a career in the computer maintenance business. Students will be exposed to common hardwa
ting and placing text and graphic files; the application of style sheets, templates and libraries; and
rning is based on examining the game industry's processes, methodologies and principles associate

se on Visual Basic, C++, HTML and Javascript and JAVA.

iness

cience. It provides students planning to study computer science a solid foundation in the key conce
used to create an "online presence". Students will plan, design, create, and maintaining a simple w
cause harm, and how each user can help prevent himself or herself from becoming the next victim
ss files from the Internet, and incorporate design theory. Students will explore the historical developm
ify, use and test common DC, AC and Analog electronic components using hands on experiments. Th
ng and build to the more complicated structures for which this language is noted. Top-down design (p
ng.   The AP Computer Science A course in an introductory course in computer science. Because the
of game development using Game Maker software and others. Learn to create single player and multi

strong foundation in coding by hand, the use of Dreamweaver will be introduced. This powerful we
forms of web content. The emphasis will be on computer animation and design. Adding Flash to we
PowerPoint. Microsoft Internet Explorer and Netscape are used to take students through the funda
urse will cover the technical aspects of working with cameras digital editing software, as well as th

led Drafting introduces the student to graphic expression of technical details and ideas. From draw
cements, documentaries, and short films to be shown on the local access cable channel. Working in

variables and constants, input/output, data types, decision structures and loops. Java is an object-
e College Board's Advanced Placement Computer Science curriculum, with particular emphasis on o

ology. Students will learn the appropriate skills to achieve a goal or solve a given problem. The goal
. Topics include design and implementation of programs that use a variety of data structures (such
grams can be decomposed into classes and objects. By emphasizing design, this course shows how
etails of how the hardware stores and executes software. Building from the design concepts covere
straction. Using a bottom-up approach, the course starts by examining logic gates and digital circuit

e a good working knowledge and well-developed computer skills. The emphasis of the course will k

basic computer skills and keyboarding skills. The emphasis of the course will be an understanding

ages. You will begin with the basics of HTML (Hypertext Mark-Up Language) to apply and enhance

their use in the creation of web pages. You will begin advanced topics of HTML (Hypertext Mark-U|

ther than language syntax. In this course you will use higher-order thinking skills because the focus

mpleted Programming 1. You will examine in greater detail topics and concepts that were introduc

mphasis of the course will be an understanding of Microsoft Word, Power Point and Publisher 2000

GIMP (Photoshop-like) and Fireworks to create basic graphics that can be used in the multimedia v

uired to meet the demands of today's industries. Concepts taught are incorporated into hands-on

C

s will also learn about the Internet's history, capabilities, benefits, hazards, ethics and legalities. In

al Microsoft Office skills are taught and applied in numerous integrated projects. Students will deve

ng language

uracy in keyboarding will be stressed. Contemporary formatting requirements will be emphasized u

rd, Excel, PowerPoint, and Publisher, design web pages using HTML, do extensive Internet research

age and environment. Programs will be written to solve various math programs, to make logical dec

ous math problems and to make logical decisions. Students will work with JAVA, writing and debug
udent will work on comprehensive projects with the aid of the instructor.
o approval of the instructor

nent in society. An emphasis will be placed on showing students how technology can be used as a t
advanced features of Microsoft Office with an increased emphasis on databases. Projects will be an
n of useful programs. Students will have to think and use logic and creativity throughout the course
ated Programming. Students will be taught to analyze and solve problems through an algorithmic ap
enroll in the course you can look forward to developing algorithms, mastering a subset of the Java
nanagement of computer-based images. Animation, paint and draw, photo illustration, drag-and-drop
aphics 1. Students will create graphic designs, movies, and layouts, and apply these skills to advanc
roduction and design of professional quality publications. Students will use desktop publishing soft
g tool. Students will cover sophisticated layout skills including inline graphics, custom wrapping, ke
npletion of personal and business projects. There will be emphasis in file management, file handlin
is designed to give students a solid foundation that they can build upon in software applications.
, as well as a study of the leading word processor including desktop publishing features. Students v
ity and troubleshooting. Students will also learn excellent customer service and communication sk
nfiguring basic network infrastructure. This class explores a variety of computer networks and cur
nt will receive a basic overview on computer usage including proper internet usage, email, Microsc
vironment. In this course, the student will learn to prepare media-rich, highly interactive projects u
success in any career: office etiquette, decision making/problem solving, leadership/teamwork, an
success in any career: office etiquette, decision making/problem solving, leadership/teamwork, an
d industry. The course focus will be on exposure to basic through advanced Web Design using han
rehensive and analytical approach to game engine architectures. The curriculum is designed aroun
t is designed to introduce the student to the structure of programming emphasizing the five-step p
math supervisor.; This is a semester course designed to be a continuation of Computer Programmin
matics supervisor; This is a full year course designed to be a continuation of Computer Programmin
signed to give students a basic understanding of computer drafting/design used in a drafting career
nputer drafting/design used in a drafting career or as a tool for designers and architects. Students v
nanner using three-dimensional capabilities. Students will learn 3D modeling techniques using Me
to assist/design community-based projects, apply for senior internships in the areas of architectura
lete an independent study project under the direction of the instructor.
ign, and technology are combined together to create graphic design projects such as posters, brocl
ding of the graphic design field while building upon skills learned in Graphic Arts I utilizing the progi
d in Graphic Arts I and II while working on more sophisticated design projects. Students continue t
to design excellence and possible design career. Students in this course are given the opportunity t

or immediately entering the workforce. Sudents will learn the foundations of keyboarding using a vai
, Excel, Power Point, and Access are covered. Students are learning power point, access, and excel.
will learn to design and build computer programs using MSW Logo, and Visual Basic c
professional quality web sites using HTML, CSS, Dreamweaver, Flash and Fireworks we
techniques, proper drawing layout,and precise dimensioning. Various projects will guide students t
net navigation skills. Learn to plan and create publications by applying basic principles of page des
rnet research. Imagine having a knowledgeable person available to immediately assist you in learn
orks mechanical design automation software. This is a process-based training course that emphasi

eers, and related technical drafting professionals. The problem solving activities include such topic

graduation from Watertown High School? For college or work? Then this introductory course in n

science, and industrial technology certification programs. Learn how to install, configure, adminis

ternal and external attacks, configure networks and perform security techniques on the systems. \

technology and engineering as a first step in becoming technologically literate citizens. Additionall

ng through class discussion, written programs and hands-on learning. Students will study, discuss ar

, implement, and analyze programs. Students will take an in-depth look at data structures and stan

ssary to efficiently operate computers. Students will be expected to attain proficiency level of comp

cy letterhead! Create a travel brochure! This is the same software Josten's uses for the yearbook –

the Internet. Students will be expected to complete complex research assignments as well as gain

problems by writing computer programs. The course studies programming methodology, algorithr

ourse will prepare students who want to go on to take Advanced Placement Computer Science (AP

. Topics will include the design and structure of databases and spreadsheets, the internal workings

ed Design (CAD) software for personal computers. Through the use of lectures, tutorials, and hands

d in the movies, then this may be the class for you! Learn how animators for Walt Disney, Pixar, and

e and furniture. Build a multimedia room for your home or design a great kitchen! Add a built-in sal

rects blockbuster movies? Want to go behind the scenes to see how a music video is produced? Let

the production of the video yearbook, documenting their senior year through video and still pictu

word processing, spreadsheets, and presentation software. Teaching methods will include hands-c

e basics of html coding and how to use various software applications to create web pages. Once a v

of word processing, spreadsheets, and presentation software. In addition, students will work with

ing JAVA. Topics developed include algorithm and program design, modifying classes, data types, fl
taught including use of files, more flow of control options, strings and abstract classes. The Honor
s will include public classes, inheritance hierarchies, designing subclasses, designing abstract classe
awings, simple interactive 2-D graphics, 3-D modeling and simple animation using the JAVA languag

ents are introduced to the field of computer science and the logical steps of programming. Student
C# programming and builds on the fundamentals taught in Visual Basic. Gaming with C# and XNA is

elopment. The basics of object oriented programming will be introduced.

:s of the programming problem solving process: object-oriented programming, problem specificatic

ɟn process.

ural drafting. 762 Section (Architectural) will cover the following topics: Preparation of a complete a

:e and the completion of challenging projects. Course objectives will be tailored to meet the interes

or layout. Introduction to the work of contemporary graphic designers and typography, as well as tr

nd uses Photoshop to create and edit original photographs. Students will examine how graphic des

iginal layouts and graphics, explore the basics of typography, and are introduced to writing HTML. S

; of classic, experimental, and contemporary animation. Student will explore the use of digital came

enhance their learning, now and in the future. The skills and concepts students will learn include c

objects and environments in 3D space, texturing, animating, and other skills that are essential for i

ligitally enhanced photo collage is included. Creation of your own computer animated video is included. Use

:s will also be covered. In addition, students will explore the history of computer and Internet development a

s will also learn about video game development and design and use these skills to create a group based gamir

re introduced.

d strategies including an emphasis on google applications for collaborative research.

applications, email, long distance learning, online learning, collaborative groups, and using multime

ɔw what exciting things are happening in our schools. This class will be an excellent class for anyone

equipment. Students will learn the proper way to use a digital video camera and will have the opp

ave taught APCS, graded APCS, and was an APCS consultant for the College Board. Student interest

echniques. Students will use an objected-oriented computer programming language with GUI based
iter Science which includes a multi-class graphic case study. Students gain experience in thinking ar
to develop and/or enhance critical thinking and problem-solving skills in addition to exploring the l
ig techniques, strategies and data structures. Successful completion of this examination may resul
ic to advanced networking skills, the Networking Academy curriculum prepares students for lifelon;
nimation. Learning will be collaborative, hands-on and based on an animated short, Blue, which h
ation. Students will be introduced to various technologies and topics. These will include but are not
nalyze graphically and numerically information and annotate chats. The major thrust of this course
are, including microprocessors, RAM, power supplies, motherboards, BIOS CMOS, and hard drives.
color specifications. The application of design and typographic principles, trade terminology and m
ed with the design, development and distribution of computer-based games and computer-based s

epts they will develop further in college. For others, it gives them the basic tools and knowledge to
eb site using HTML, a Wiki using PBworks and a Blog using Google's Blogger. Students will also have
n of various forms of cybercrime. Students will explore case studies, learn about preventative techr
ent and the role of the World Wide Web in today's society. Students will gain a broad understanding
le student will also build and study various common electronic circuits using the above components.
lanning the solution of a problem in detailed steps before putting it into computer code) will be stres
design and implementation of computer programs to solve problems involve skills that are fundamen
player games using a scripting programming language. Students will also learn programming debuggi

eb coding software will enable the students to produce web code more efficiently and effectively.
ebsites provides the interactivity frequently found on the internet today.
amental skills and knowledge that allow them to quickly master and use the Internet. These skills a
e creative process of shot composition, screenwriting, and storytelling.

ing a simple line, circle of polygon to three dimensional views of objects and buildings this course t
n conjunction with GCTV, the local cable access channel, students will be exposed to the roles and r

-oriented language, and the course will emphasize this paradigm. Problem solving and good progra
classes, the foundation of object-oriented programming. After a review of the basic concepts cover

is for each student to be technologically literate in order to meet the demands of not only the Aca
as records, lists, and trees), functions, conditionals, and recursion. Students will be expected to des
to implement small defect-free programs and evaluate design decisions to select an optimal desig
ed in CS 2102, this course covers manual memory management, pointers, the machine stack, and ir
s. The student is then introduced to virtual machines at successively higher levels of abstraction, b

be to use software tools to solve common business problems. You will cover topics that include adv
of the computer, its operation, applications, and impact on everyday living. You will cover topics in
your knowledge of web page design, and then continue onto CSS (Cascading style Sheets). You wil
Language) to further enhance your knowledge of web page design and then continue onto advan
is on programming concepts, design and abstraction rather than on memorization or syntax. To tak
ed in Computer Programming 1 and continue with an introduction to the concepts covered in AP F
) and their uses in everyday situations. You will learn how to create a variety of publications with a
vorld. You will also learn the beginning level skills of Adobe's Flash.

computer projects of progressive complexity.

addition, students will learn to create web pages using a popular software package
elop a solid foundation in word processing, Excel, spreadsheets, charts, PowerPoint, and graphics. S

ising Word in producing documents such as MLA research reports, science lab reports, letters, men
, and use a blog to submit various assignments.
cisions, and to create interactive procedures for solving problems.

ging programs.

tool that will affect future courses and careers. Topics covered will include electronic research, the
integral part of this course.
. If you never program again in your life, the logic and creativity used in solving the course problem
pproach to problem solving. Projects more challenging and involved than those in C++ will be assig
language and object-oriented design as well as an exposure to GUI and applet development. Each
p, and presentation software will be included.
ced production work.
ware to produce newsletters, flyers, letterheads, advertisements, presentation documents, and otl
rning, tracking, creating templates, multi page documents, and the use of master pages.
g, and fundamental knowledge of Microsoft Windows. An introduction to the Microsoft Office Sui
Students will develop a proficiency in the Microsoft Office Suite; Word, Excel, Access, and Power Pc
will work with an integrated office package including its database components. The course will incl
kills to work with clients. Students will be prepared to take the CompTIA A+ certification test. This
riculum topics investigated through classroom theory and practical applications in a laboratory env
oft office software, Microsoft windows operating systems and computer hardware. There will be ar
ising multimedia development package. The emphasis will be on learning the technical skills neede
d information management. Emphasis is placed on communication skills using various methods fr
d information management. Emphasis is placed on communication skills using various methods fr
ds-on development with current programs such as Dreamweaver MX as well as developing and pre
d the Alice Game Generation Software and Microsoft visual studio with Microsoft Visual C++ and tl
rocess to problem solving, creating flowcharts, and writing algorithms. This will be accomplished t
g I. It is intended for college bound students to extend programming skills in Pascal and develop n
g II. It is intended for the college bound student to further develop programming skills in JAVA. Em
or as a tool for designers, architects and engineers. Students learn countless methods to produce
vill be exposed to different colonial style homes. Students will learn how to draw a full set of plans
chanical Desktop and Architectural Desktop software to create engineering and architectural mode
al and engineering settings, and/or complete a comprehensive portfolio. Students will use prior CA

hures, logos, and packaging designs. Students utilize current design software such as Adobe Illustra
rams Adobe Illustrator, InDesign, and Photoshop. Students will be exposed to professional design v
to work with Adobe Illustrator, InDesign, and Photoshop. In addition to this software, students in G
o apply their acquired design and technical skills as they create portfolio quality design work. Stuc

riety of computer software, keyboarding infomation and processing textbooks. In addition, students w
Students are in process of finishing their computer class presentations.
omputer languages. After learning the basic concepts and keystrokes, students will be
eb publishing software. They will also learn how to create dynamic web pages using Pl
through aspects of plane geometry, descriptive geometry, transformations, and solids. Students co
ign and layout concepts, import text and graphics for word processing software to produce adverti
ing today's most widely used software applications for business and/or personal use. Students will
zes the processes and procedures students follow to complete a particular drawing tasks by initiali

s as geometric shapes and construction, views of objects, working drawings, developments and int

naintaining your computer system will be of interest to you. Learn the commonsense steps you can

ter and troubleshoot operating systems.

Wireless networking will also be explored.

y, the course will help students answer the question: "Why should I study math, science and engin

nd solve problems involving conditional statements, random number generators, and looping. Stud

idard computing algorithms. The course will also look into the major hardware and software comp

petence using the popular Microsoft applications: Word, Excel, PowerPoint, Access, Works, Publish

be able to contribute to your special book! In this course students use ADOBEPAGEMAKER, ILLUST

expertise relative to Internet search tools and network operations relative to Local Area Networks

ns, and data structures. Students will learn the subset of Java identified by the College Entrance Ex

CS), as well as those who do not intend to take APCS later on. Students learn to design, write, and

of computers, the history of computing, artificial intelligence, and how the Internet works.

s-on projects, students will learn all aspects of 2-D drafting and design as these relate to architectu

d other studios make their animations come to life. Learn to draw your own backgrounds, create ch

ltwater aquarium to a living room. Add a woodworking shop to a basement design. You become the

t your imagination run as you learn how to transform your own video into high quality digital prod

res. Students will be a part of a production team that will document their four years at Westport H

n projects, simulated assessments, and the utilization of tools available through Moodle (an online

web page is created, it needs a design. Students will learn how to create and edit CSS (Cascading St

desktop publishing software and be introduced to relational database development. Students will

low of control, top down design using functions, and testing and debugging of programs. The Hono

s student will be held to a more rigorous standard, completing more programs with greater depth.

es and interfaces, package concept, exception concept, and wrapper classes. The content will be as

ges.

ts will learn how to solve problems through programming using arrays, loops, if then statements, a

a game programming course with a strong focus on developing programming skills, practical probl

ons and organization, algorithms, coding, debugging, the elements of good programming style, and

and detailed set of house plans. Detailing of location, foundation, framing, electrical, plumbing, and
sts and career aspirations of the student.
he creative process of brainstorming, designing & revising will be covered in this semester course. L
sign and digital photography impact the design field.
Students learn best practices for website management. Introduction to the work of contemporary c
eras, drawing tablets, and/or scanners. Students will create and edit original storyboards, stop mot
organization of information, Internet search and evaluation, database creation, open source applica
movie and video game development. A strong background in geometry is helpful. The history of co
e of photo enhancing products will be explored. Digital photographic techniques will be instructed. The use c
s well as learn about online ethics and proper web-based research techniques.
ng project with a target audience. This is a course for those students interested in computer coding or progra

edia to increase educational and entertainment experiences. Once the basic skills are covered we w
e wanting to go in to the film industry, journalism, public relations, communications, media speciali
ortunity to learn how to edit films, music videos, television programs and more on Final Cut Pro-th

t dropped off noticably with the dot com collapse. In addition the schools came under heavy MCAS

d programs. The course focuses on problem solving, developing algorithms, and modular programr
nd articulation of abstract concepts through algorithm design and analysis. Large projects are assigr
high-level programming language of C++. Class projects involve an interdisciplinary approach and i
t in advanced standing in computer science in many colleges and universities. The course assists st
g opportunities in the real world. CCNA certification exam eligibility is available upon successful coi
as earned top prizes at five film festivals. Problem solving, organizational skills and creativity are ke
: limited to ethical, safe use of computers, copyright laws, Web 2.0 tools, open source software, mu
is to have students create interdisciplinary, integrated practical application and to empower stude
  Students will also learn about CMD, Windows, Linux, and evaluation of operating systems and sele
leasurement systems, font management and file management are emphasized. Students enrolled
imulations. This course is designed to provide students with an overall comprehension of the prec

understand the science and engineering behind today's computer- and information-oriented socie
e the opportunity to explore various Web tools to create videos, slide shows, digital stories and "we
niques and implement safety measures to protect themselves and their families. Topics will include
of HTML and CSS computer languages. This course meets the practical arts requirement.
Electronic projects will be constructed using breadboards and Printed Circuit boards utilizing solderi
sed. Problems used will be taken from a wide background including math, business, and other areas.
tal to the study of computer science, a large part of the course is built around the development of coi
ing practices.

nd/or knowledge base will be helpful in high school, college and work. These are considered basic

teaches all the basic skills needed for a career in CAD. This is the most indemand, employable skill i
responsibilities of local cable broadcasting in the community. Students will also work to produce a c

mming practices are stressed throughout the course. The course will split time between the classro
ed in Introduction to Computer Programming, the course covers one and two dimensional arrays, u

demy, but our technological world. The first part of the course focuses on computer hardware, soft
sign, implement, and debug programs in a functional programming language.
n under specific assumptions. Topics include inheritance, exceptions, interface, design by contract,
nput/ output mechanisms. The course will involve large-scale programming exercises and will be de
eginning with the Von Neumann model of execution, and progressing through machine language, a

vanced usage of spreadsheets, word processing, presentations, and also learn the beginning eleme

computer ethics, electronic research and appropriate online use, projects in word processing, spre

l learn how to effectively design and develop web pages.

iced topics in CSS (Cascading style Sheets). You will learn how to effectively design and develop wel

ke this course, you should have a mathematics background equivalent to a second course in algebra

Programming as outlined by the College Board.

concentration on features such as design, set-up, layout and presentation.

Students will be able to apply these life-long skills in preparing term papers, letters, lab reports, spr

nos, and tables. Excel and PowerPoint will also be introduced

Internet, and the Microsoft Office productivity suite, including word processing (Microsoft Word), s

ns will transfer across many problems in other disciplines you may face. Although exploratory and r
ned.
student should be prepared to function as a logical thinker with a willingness to devote ample time

her projects. Principles of design and layout are emphasized while working with text, graphics, and

te – Word, Excel, Access, and Power Point will be covered.   In addition, students will spend time e
oint. Microsoft Office is the most widely used office suite program in business and industry. Studer
ude software evaluation techniques and the student will learn to analyze what software best meet
is part of the certification track for corporations such as Microsoft, Hewlett-Packard, Cisco and Nov
ironment including network operating systems and network systems design and implementation.
n industry standard test given for IC3 certification as a final exam and the students that pass will rec
d to utilize the multimedia software effectively to create demonstrations and presentations. Stude
om personal interaction to email. Students will use a variety of Microsoft Office computer applicati
om personal interaction to email. Students will use a variety of Microsoft Office computer applicati
esenting professional web sites. The course content provides students with the opportunity to acq
he video game engine is Microsoft XNA Game studio Express. A reasonable familiarity with compu
hrough the language of Pascal. Emphasis will be placed on the exploration of simple data structure
ew skills in C++. Emphasis will be placed on the further exploration of Pascal data structures as we
nphasis will be placed on the further exploration of simple JAVA data structures as well as advanced
view and edit two-dimensional drawings. The software permits designers, drafters, engineers, and
for various houses including foundation plans, floor plans, cross-sections, interior and exterior elev
els to scale and will learn how to complete models incorporating all of the necessary features of ful
D knowledge and continue working on advanced projects. Students are expected to produce accu

tor, Photoshop, and InDesign as they design and create original, professional quality design work.
vork, popular design trends, prominent artists and designers, and current design technology. Stude
iraphic Design III will be introduced to a new exciting program; IMovie. Students using IMovie will
lents continue to use Adobe Illustrator, InDesign, and Photoshop in addition to being challenged w

vill learn creating, formatting, editing, and printing word processing documents such as letters, tables,

e asked to complete programming challenge problems. Examples of programming chal
HP and MySQL and how to design and create web computer games using Flash Action
ntinue by examining several architectural and engineering applications. All student work is comple
sing flyers and multi-page documents. These are required marketable skills for all students and he
l use the computer as a problem-solving tool to develop PowerPoint presentations, create spreadsl
zing case studies to illustrate those process in real-world activities.

:ersections, architectural and structural calculations. These activities will enable students to decide
take to keep preventable performance problems at bay. Protect your PC from spikes and surges, c

eering if I don't plan on a technical career?" Through this course's practical real-world connection:

lents will be required to write and type programs in the Java programming language. This course is
onents of a computer system. A student who successfully completes this course will have the optio
er, and other appropriate software packages. Students will also utilize new technologies available c
RATOR, and various Photo Editing Programs This course is for students that are creative and want t
(LANS) and Wide Area Networks (WANS). Students will use HTML editors (Adobe GoLive, Netscape

amination Board. The course generally follows the syllabus suggested for preparation for the Advar
test computer programs, using the DrScheme programming language. Course topics include design

ral, mechanical, and electrical design. Students will explore 3-D concepts such as: isometric drawin;
naracters, and construct your own digital animations. Learn to use sound effects and timelines to a
e designer. Use the talents that you learn to reconstruct places that long ago ceased to exist. Rebui
uctions. Learn how the professionals shoot, edit, script, storyboard, and produce videos. Why just s
igh School. Students will also produce a historical look back at their family using pictures and videc
e course management system). Many of the projects presented will focus on computer ethics and ir
tyle Sheets) to give their web pages some flair and consistency. Graphic creation/editing and basic j
be given hands-on projects and simulated assessments to further develop their ICT (Information ar

ors student will be held to a more rigorous standard, completing more programs with greater depth
The Honors student will also be expected to work independently at most times.
s prescribed in the "Guide to the Advanced Placement Computer Science" administered by the Coll

s well as learn Visual Basic controls and forms. It is a hands-on course and requires long-term proje
em solving, and introduction to C#. Object Oriented Programming will be a major emphasis. Long t

l the means of producing a high quality finished product. This course is only offered during the seco

d coderestrictions. 763 Section (Mechanical) will add depth to the major topics covered in Technica

essons offer opportunities to create unique, practical, and expressive graphic designs using type ar

designers, as well as the creative process of brainstorming, layout, design & revision will be covered
ion characters and short animations using Flash and IStopMotion. Students will participate in self, ｉ
tions, website creation, presentation technologies (Prezi, Glogster, Powerpoint) and collaborative t
mputer animation and basic animating techniques will be discussed. Students will create a demo r
of digital imaging in multimedia development will be discussed. We will learn how to use a digital camera ar

mming. This course is for those students interested in pursuing the animation and multimedia field in the futu

vill begin to study the new advancements that are being made in technology. We will study how to
ists or publishing.
e same program being used to edit some of today's feature films. They will also have the opportun

pressure and had to close down undersubscribed CS courses to decrease class sizes in math. I my

ning, designing data structures and developing solid programming practices. Students will use obje
ned and students work in teams to design and implement computer solutions replicating a real wor
nclude topics from math, science, the humanities, economics and business. Students planning a ca
tudents in preparing for two examinations: Computer Science A (emphasizing programming methe
mpletion of the Networking Academy program's curriculum. CCNA certification is the first step in C
y to the students success in this course. Projects will involve learning the animation production pr
lti-media creation and editing. In addition students will be exposed to web development basics, or
nts to be able to navigate any software of the same type. Students will learn about different operat
ection memory management. Students will learn how to install, configure and upgrade software, c
in this course will be responsible for producing the DY student newspaper The Perspective as well a
epts and building blocks that are essential to every computer-based games and simulations.

ty. This is not a "programming course"; it is much broader than that. However, students who do no
ord clouds". Students will learn how to embed their videos etc. onto their Wikis and Blogs.
these topics and more: system and data, commercial and home networks, Malware, identity theft

ing equipment. This course meets the practical arts requirement.
During the second semester, topics covered will include such advanced programming topics as class
mputer programs that correctly solve a given problem. These programs should be understandable, ada

tools for living in the 21st century.

n the area and students receive college credit for a grade of 87 or higher articulated through Green

daily news program in the schools TV studio to be shown on the Channel One televisions, which wil

oom and the PC lab. Prerequisite: Algebra I.

using and writing classes, public and private variables, sorting, searching, recursion, and other AP C

ware applications, and web development. The remainder of the course concentrates on computer

basic design patterns, and reuse. Students will be expected to design, implement, and debug obje

esigned to help students confront issues of safe programming with system-level constructs. The cou

assembly language, and high-level languages. Topics include the functional organization of compute

nts and skills of data base modeling.

eadsheets, desktop publishing, presentations, and web page design. You will be required to comple

o pages for the most common web browsers.

a, a solid background in English, and developed writing skills. This course will be offered using the J

eadsheet applications, and presentations in school and beyond

spreadsheet (Microsoft Excel), database (Microsoft Access), and presentation software (Microsoft F

non-threatening in nature, there is enough depth to give students a good feel for what programmin

e in developing solutions to complex challenges. Projects will demand a thoughtful and organized a

d drawing tools. Students are challenged to use creative abilities to produce professional quality pu

xploring a variety of Hardware, Software, and Internet topics. Also, students will research multiple
nts may work towards becoming a Microsoft Office Specialist (MOS). This course carries college cre
s a particular set of needs. After this course, the students will have all the knowledge and skills ne
vell. The student will learn the necessary competencies of an entry-level IT professional with hands
The student will learn the necessary competencies of an IT professional with hands-on experience
ceive certification certificates. This is the first class in the Computer Information Technology track.
ents will use Adobe products including Photoshop, Microsoft Movie Maker, Flash, and Fireworks: Fl
ions associated with today's modern office environment. Office Management provides a broad ove
ions associated with today's modern office environment. Office Management provides a broad ove
uire fundamental skills in both theory and practical application of Web development.
ter is required. No prior game or graphics programming experience is necessary.
es. Every effort is made to accommodate various learning styles.
ell as advanced structures such as sorting and searching, files, pointer variables, linked lists, stacks,
d structures such as sorting and searching, files, pointer variables, linked lists, stacks, queues, and t
l others to create, revise, model and document industrial parts and assemblies for prototyping, mo
ations. This course carries college credit for CTE students.
ly illustrate a three-dimensional models. This course carries college credit for CTE students.
irate drawings and models using concepts gained through previous CAD classes. Students will learn

Students learn about printing; offset lithography, digital printing, four-color process, and the Panto
nts will work on design projects directly related to the real world such as identity branding, print a
be able to create original movies layered with sound and graphics. Students will study black and w
ith strengthening their knowledge of IMovie to bring to life three dimensional clay characters base

, reports, resumes, merging documents.

llenges include, designing computer games and creating ticketing programs for sportin
Script.
ted using AutoCad 2005.
lp to provide the basics for further work in web design, another emerging career field.
heets, learn database management, graphics, etc., to apply technology to projects in other classes.
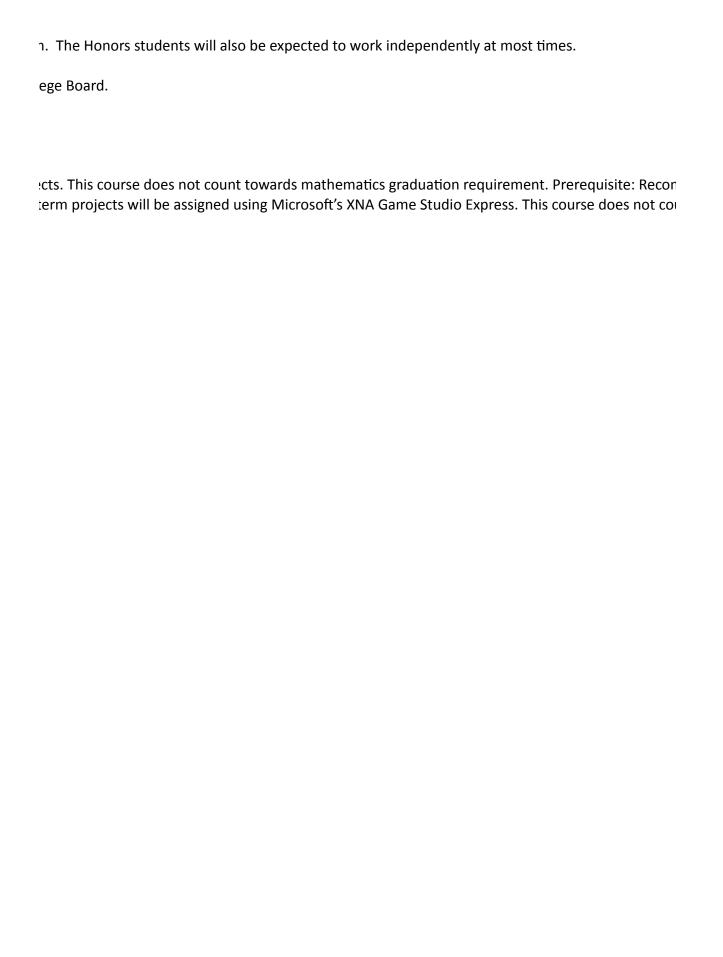
e if a career path related to Engineering and Architecture would be of interest. All problem solving
create emergency backup diskettes, safeguard your system from viruses and avoid the environment

s, students will see how science, mathematics, and engineering are part of their everyday life, how

intended for students who possess a working knowledge of computers, computer software and pr
n of taking the AP Computer Science (A) examination.
on the web including Blogs, Podcasts, and RSS Feeds. Students will also gain an understanding of th
to incorporate the latest technology with their talents. Students begin learning fundamental techni
e Composer, and others) to develop Internet pages in class for projects,as well as pages for the Intra

nced Placement Computer Science AB examination, including the current case study. Students nee
n recipes, algorithms, procedures, functions, variables and data types, simple and compound data s

gs (not true 3d), wire-frame, surface/regions, and solid objects.
pply realism and depth to your movie. Finally, learn how to complete a finished project and downl
ld Stonehenge, ancient castles, the Lexington Green, Westport Point, etc. Learn to add sound effec
sit around at home and watch television when you can create it?
o. The finished project will become a CD or DVD.
nternet safety, requiring students to conduct internet research and critically evaluate websites.
java-scripting will also be introduced. Students will be expected to create a personal website, as we
d Communication Technology) fluency.

n. The Honors students will also be expected to work independently at most times.

ege Board.

cts. This course does not count towards mathematics graduation requirement. Prerequisite: Recon

term projects will be assigned using Microsoft's XNA Game Studio Express. This course does not co

ond semester.

l Drawing with emphasis placed on dimensioning and tolerances of machine parts and mechanical

nd images generated by computer software. Students will participate in self, peer, and group critiqu

d in this semester course. Students will participate in self, peer, and group critiques.
peer, and group critiques.
technologies (Wikis, blogs and Voice Thread). At the end of the course, students will have a digital
eel of their own work created in class.
nd flat bed color scanner. Using digital images as communication tools is the overall objective of this course.

ure.

make web pages and begin with object oriented programming. Student will create animated movi

ity to watch and analyze films, both classic and contemporary, and use that knowledge as they dev

self closed down all the CS courses and fired the other teacheer with a masters in computer scienc

ject oriented programming in this academic discipline. Solid mathematical and analytical skills are re
rld, design-team approach. Students are also exposed to a wide range of computer concepts includ
areer in computer science, information systems management, mathematics, science, engineering o
odology, static data structures and analysis of algorithms) and Computer Science AB (programming
isco career certifications leading to the Cisco Certified Inter-net-work Expert (CCIE™) certification, t
ocess, crafting its robot "star," and constructing his entire outer-space environment. You'll start wit
nline collaborative environments, organization and management of information and data including
ing systems and networking basics.
diagnose and troubleshoot computer problems as well as be introduced to networking.
as various school publications such as playbills and event posters. In addition, this course will introc

t know how to program learn, and those who already know improve their skills.

, browsing and email, social networking and cyber-bullying, E-commerce and banking, peer to peer

ses, inheritance and pointers. Due to the difficulty of some of these topics, only students who are seri
aptable, and, when appropriate, reusable. At the same time, the design and implementation of compu

nfield Community College. A solid foundation of geometry makes this course much easier and is rec

ll replace the morning announcements.

Computer Science "A" exam topics. Prerequisite: Introduction to Computer Programming and teach

science theory and application, specifically using the programming language, Racket

ct-oriented programs composed of multiple classes and over a variety of data structures.

urse will cover several tools that assist programmers in these tasks. Students will be expected to de

er hardware, the functions of assemblers, linkers, and loaders, representations of numbers in comp

te various projects assigned, and be able to demonstrate appropriate uses of the computer and ap

AVA language.

PowerPoint). The emphasis will be placed on learning concepts and skills which can be used in othe

ig is like. Students will be encouraged to experiment on their own.

approach to problem solving as well as a strong attention to precise detail. Advanced Placement Co

blications.

careers via Careercruising.com. Students will be required to complete a career plan which is now
edit for Tech Prep students. This class is part of the Computer Information Technology track.
cessary to sit for a Microsoft Office User Specialist Exam. This class is part of the Computer Informs
s-on experience in the lab or field. The student will obtain the fundamentals of computer technolog
in the lab or field. The student will obtain the fundamentals of network technology network opera

ash is an authoring environment for creating engaging interactive experiences. Photoshop combine
erview of the continuing impact of technology in the office. Students may also participate in an int
erview of the continuing impact of technology in the office. Students may also participate in an int

queues, and trees. Also, the basics of the C++ programming language will be explored.
rees. Upon completion of this course, a student may take the advanced placement test in JAVA an
ld making, and manufacturing. This course carries college credit for CTE students.

n to render their final designs to produce photo realistic drawings for portfolio.

ne Matching System of color. Students learn to properly assemble digital files for real world printin
nd packaging, and logos. Students continue to explore and create hands-on as they produce two-co
hite photography through film and digital cameras. Students in this course will also have an oppor
d on thumbnail sketches, detail character development, and story boards. This course continues to

ig events.

Many projects require internet research.

activities related to the above content area will be created using SolidWorks CAD application softw
tal conditions that can wreak havoc on your PC.

society and the environment is impacted by the engineered world, and why it is important for eve

oblem solving.

e hardware components inside a PC Computer
ques such as working with the toolbox, palettes, pasteboard and default window of PageMaker. Th
anet (local school network) web sites. Students will work with the teacher, other teachers and adm

d have no prior knowledge of Java. Students with no programming background should expect to sp
tructures, recursion, and debugging.

oad your completed animation to CD or DVD.
ts and make animated fly-throughs of your 3D models.

ell as participating in the development of a class web site. Participants will also be required to resea

nmendation of current math teacher. (Open to Grades 10, 11 and 12)

unt towards mathematics graduation requirement. Prerequisite: A minimum grade of 80 in Visual E

assemblies.

ies.

portfolio of their work.

.

es and interactive games.

velop their own filmmaking craft. In addition, students will learn the facets of making a television p

e.

equired.

ling computer architecture. Computer Science H or teacher recommendation.

or business would greatly benefit from taking this course.

methodology, static and dynamic data structures, in-depth analysis of algorithms, and recursion).

the industry's most re-spected certification for network professionals.

h modeling simple shapes -- rooms, solar systems, and so forth; then master the fundamentals of
surveys and databases.

duce the student to using digital illustration and page design programs to generate computer-base

networks and piracy, mobile devices, and ethics and legal issues.

ous about computer programming should consider taking this course. This course meets either the ma
ter programs is used as a context for introducing other important aspects of computer science, inclu

commended.

ier recommendation.

sign, implement, and debug programs in C++ and C.
outers, basic assembly language instruction sets, addressing modes, stacks and procedures, low-lev

plications.

r subject areas.

mputer Science is designed to prepare you for the AP Computer Science Exam A.

mandated by the Department of Education for all students involved in Career/Vocational Technical

ation Technology track.
gy, networking and security, as well as the communication skills and professionalism now required
ting systems, networking hardware, and network security, as well as the communication skills and

es power and simplicity so you can make your photos look extraordinary, create unique print and w
ernship with a local area business.
ernship with a local area business.

d may receive college credit from a participating college. The AP course meets daily throughout th

ig applications. Students explore and create two-dimensional designs hands-on as they paste-up m
olor silk-screen prints, production printing, pop-up books and cards. Students will produce tee shir
tunity to work hands-on with the publication of THS's Tauntonian newspaper. A lab fee of $10.00 is
be product driven where students design, develop, and produce a variety of print and package de:

are.

ry citizen to be technologically and scientifically literate.

ey will create letterheads, cards and brochures. They will learn how to use master pages to set up
ıinistration, etc. to help create web pages for the www.wbridgewaterhigh.org website. Assignment:

end significant amounts of time working with computers during the first quarter or should take Co

arch and understand copyright law as it relates to publishing on the internet.

Basic. (Open to Grade 10, 11, 12)

rogram, as they will be involved in the production of our daily broadcast of BHS Today which airs o
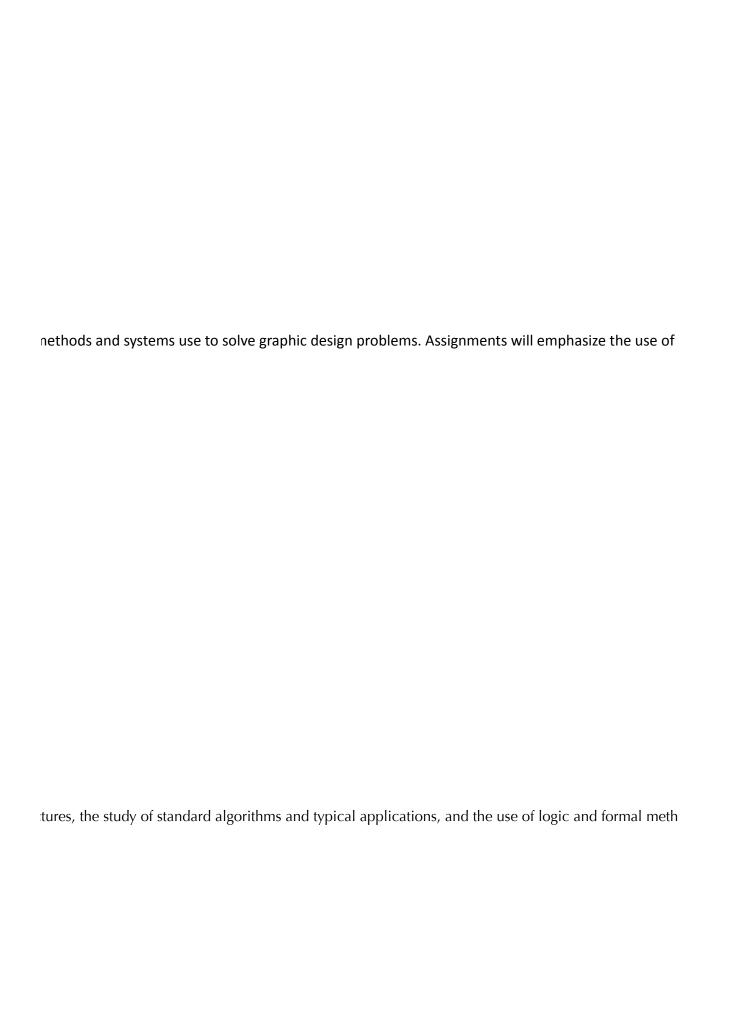
working with shading, textures and lighting, effects.

d images. The students will learn basic design and typography principles, terminology, guidelines, n

ath requirement or the practical arts requirement.
ding the development and analysis of algorithms, the development and use of fundamental data struc

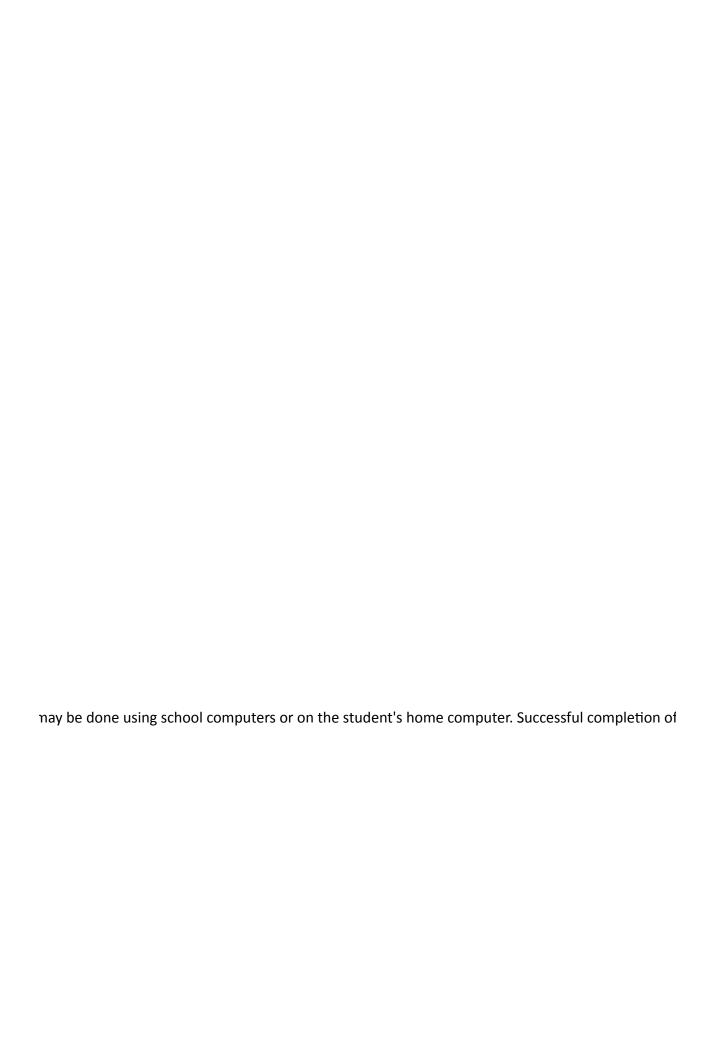el I/O, concepts and examples of microprogramming, and logic circuits.

Education Programs.

of all entry-level IT professionals. This class is part of the Computer Information Technology track.
professionalism now required of all IT professionals. This class is part of the Computer Informatior

veb experiences, and easily manage your photos. Fireworks can Create and optimize images for the

e school year.

echanical, learn color theory, produce one and two-color silk screen prints, and assemble three-dir
ts by sublimation printing (heat transfer) and will be introduced to offset printing. A lab fee of $10.
 required.
sign material. Students work hands-on in this course as they explore photo silk-screening and assist
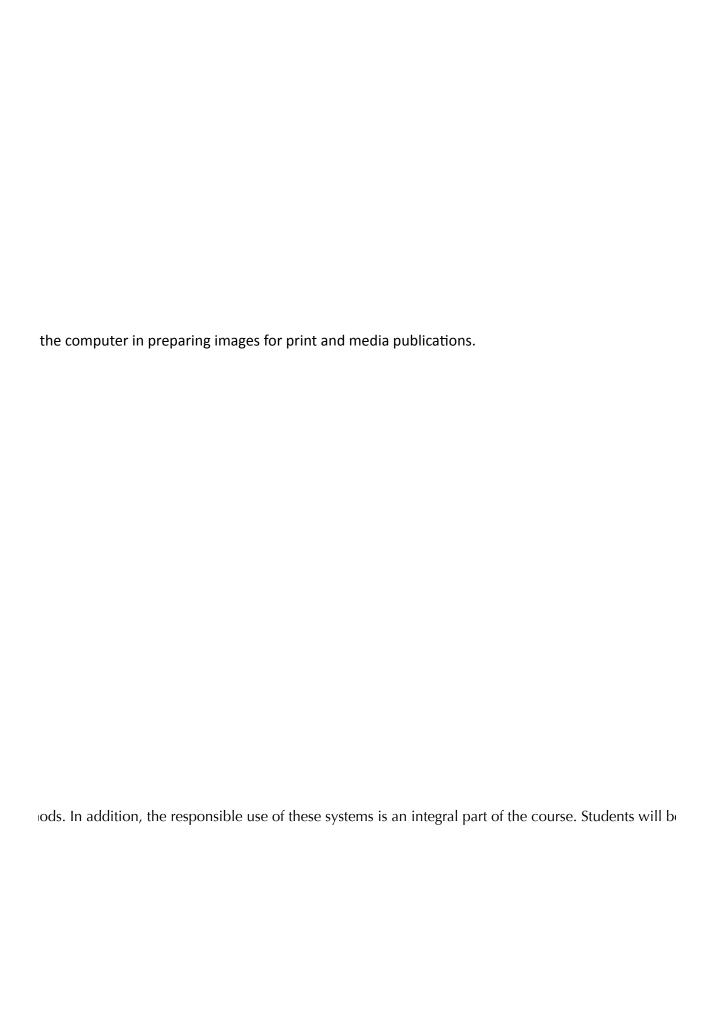
publications such as newspapers and magazines.
s will be used to enhance projects from regular classroom work whenever possible.

mputer Science: Introduction to Programming (Course 336) prior to enrolling in this course. Work r

n both Channel 22 and the web.

methods and systems use to solve graphic design problems. Assignments will emphasize the use of

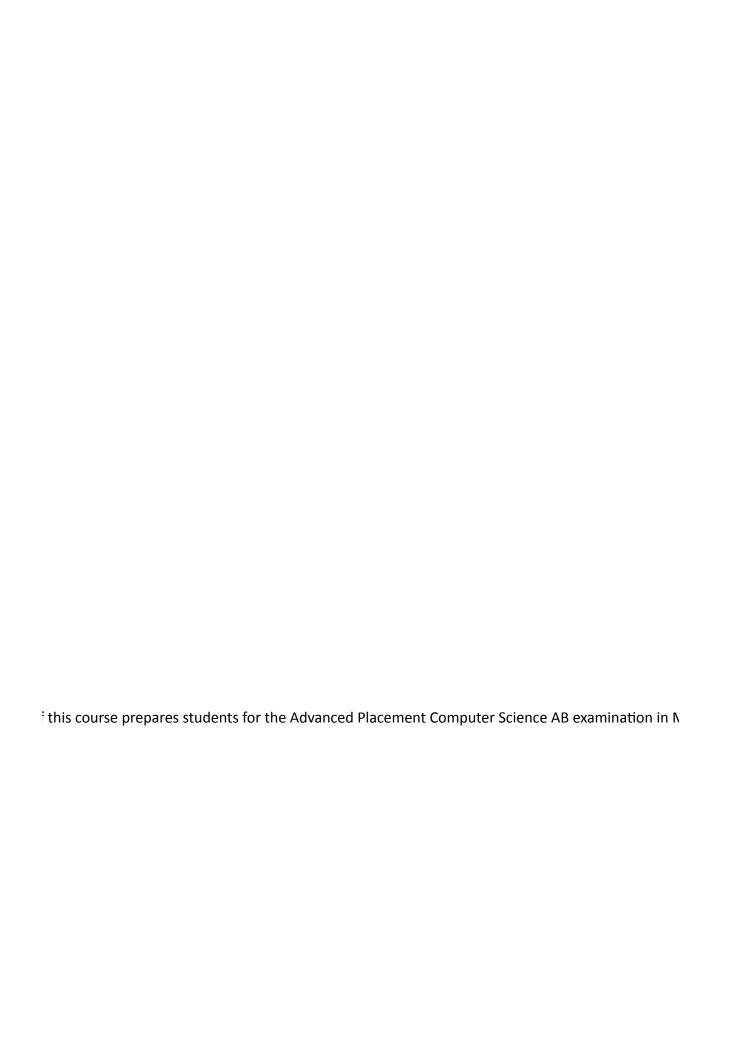tures, the study of standard algorithms and typical applications, and the use of logic and formal meth

Technology track.

web.

mensional packaging prototypes. The class culminates with a two-week final project allowing stude
00 is required.

t with THS's Tauntonian and the literary magazine As You Like It. A lab fee of $10.00 is required.

may be done using school computers or on the student's home computer. Successful completion of

the computer in preparing images for print and media publications.

ıods. In addition, the responsible use of these systems is an integral part of the course. Students will be

ents to apply their design and technical skills as they create an original product logo and packaging

this course prepares students for the Advanced Placement Computer Science AB examination in N

e able to code fluently in an objec

design in 3-D. A lab fee of $10.00

May