

Brookings School District 5-1

2011 Computer Curriculum (9th Gr. Tech Tools)

UNIT: Computer Systems - Daily, throughout the semester

Resources	Projects	Standards	Learning Targets/Skills	Assessments
WebCT Windows XP Scanner Cameras MS Office Guest Speakers	All Projects	Social Interactions: SI 2.1 Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole.	<ul style="list-style-type: none"> ■ Check daily announcements for assignments 	Included in all projects
		SI 1.1 Evaluate the need for acceptable use policies.	<ul style="list-style-type: none"> ■ Organize and manage files in a systematic manner 	
		Nature, Concepts and Systems: NC 1.2 Predict how the evolution of technology will influence the design and development of future technology.	<ul style="list-style-type: none"> ■ Understand the progression of technology in relation to storage space 	
		NC 2.1 Analyze technology systems to make informed choices.	<ul style="list-style-type: none"> ■ Review computer use policies 	
		Information & Communication Tools: CT 1.2 Apply strategies for identifying and solving routine hardware/software issues.	<ul style="list-style-type: none"> ■ Use a variety of input devices ie. Scanner, cameras, memory card, etc. 	
		Information & Communication Processes: CP 2.1 Adapt delivery of communication based on available information technologies.	<ul style="list-style-type: none"> ■ Analyze the advantages and disadvantages of societies dependence on technology 	
			<ul style="list-style-type: none"> ■ Be able to troubleshoot routine hardware and software problems. 	

Unit: Desktop Publishing Quarter 1-2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
Wikispaces	Newsletter for students and community	NC.3.2 Integrate technology into school, home and community.	■ I can develop by designing a Newsletter appropriate for all in the community.	Group Work/ Class Discussions/ Printouts/ Performance Assessment/ Completion/ Online Submitted Assignments/ Objective Tests
Google Docs	Brochures for activities	CP.1.1 Collaborate with external peers, experts, and others by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works.	■ I can retrieve material and collaborate with other students in the classroom to produce an attractive brochure for publication.	
WebCT	"The Job" Team/ Collaboration Project	N.C.3.1 Analyze intended and unintended impacts of a system.	■ I can evaluate how various technology software works together.	
		CP.2.1 Adapt delivery of communication based on available information technologies.	■ I can utilize an online program called WebCt and deliver my assignment online through that program.	
	Check online daily class announcement for assignments.	C. 2.3 Utilize online information resources routinely and efficiently to meet needs for collaboration, research, publication, communication, and productivity.	■ I can utilize an online program to retrieve daily assignments.	
Publisher	Simulation	CT.1.1 Incorporate knowledge and enhanced usage skills to create a product.	■ I can use my expertise and knowledge to enhance products for use in public events.	
Word	Flyer	NC.4.1 Compare and contrast other problem-solving and decision-making methods.	■ I can design and create flyers and programs for specific activities and community events using online information.	
	Final Project		■ I can incorporate basic features: font styles & sizes, alignment, hyphenation, column breaks, and file insertion.	

Unit: The Job Team Collaborative Project Quarter 1-2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
Word	The Job -- Technology Problem Solving	CT.3.1 Select and apply technology tools for research, information analysis, problem solving, and decision making in content learning.	■ I can analyze and determine which type of software to use in a collaborative setting to communicate information to the class.	Group Work/ Team Discussion/ Printouts/ Performance Assessment/ Completion
Publisher				
Excel		IL.1.1 Design a research project using a variety of technologies to find information to solve a real-world problem.	■ I can find solutions to real life problems when dealing with a variety of technologies and software.	
Powerpoint		CT.1.2 Apply strategies for identifying and solving routine hardware and software issues.	■ I can determine the most efficient way to find help to answer hardware and/or software questions.	
Access				
	Review of Student Handbook Policy	SI.1.1 Evaluate the need for acceptable use policies.	■ I can identify the school policies in the school handbook.	
		SI.1.2 Compile a list of immediate and long-range effects of ethical and unethical uses of technology on individual and society.	■ I can realize the consequences of unethical uses of technology.	
		SI.2.1 Analyze advantages and disadvantages of widespread use and reliance on technology in the workplace and in society as a whole.	■ I can analyze the whole usage of technology and why there are advantages and disadvantages.	
		SI.2.2 Compare and contrast society's influence on technology and technology's influence on society.	■ I can understand how technology has helped and also hindered society.	
		NC.2.1 Analyze technology systems to make informed choices.	■ I can determine which process of mailing will take the least amount of delivery time.	

Unit: Career Cruising Quarter 1-2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
SDMyLife MS Word	Job Search	<p>NC.3.3 Evaluate technologies that increase educational and workplace opportunities.</p>	<ul style="list-style-type: none"> ■ I can successfully use the Internet for a job search. 	Group work/ Discussion/ Handouts through WebCT/ Completion
		<p>NC.4.1 Compare and contrast other problem-solving and decision-making methods.</p>	<ul style="list-style-type: none"> ■ I can determine which career best fits my skills. 	
		<p>CT.2.1 Utilize a virtual learning environment as a strategy to build 21st Century Learning Skills.</p>	<ul style="list-style-type: none"> ■ I can save at least one career, one school to review possible scholarships and job opportunities and demonstrate an in-depth knowledge of selected field of work and occupations. 	
	Resume Building	<p>NC.3.2 Integrate technology into school, home, and community.</p>	<ul style="list-style-type: none"> ■ I can import courses taken, career preparation activities and organizations I have been involved. Import documentation of any award or certificate earned in my online portfolio. 	
	MLA Style Report	<p>CT.3.2 Organize and manage personal/professional information using technology tools.</p>	<ul style="list-style-type: none"> ■ I can organize and manage my personal information using SDMyLife in order to make my personal learning plan and build a resume. 	
	Personal Learning Plan	<p>Career Development :Reading indicator 2: Comprehend and fluently read text. Reading Indicator 5: Access, analyze, synthesize, and evaluate informational texts.</p>	<ul style="list-style-type: none"> ■ Discover how SDMyLife and other computer technologies can be used in research projects and presentations. 	
		<p>Listening, Viewing, and Speaking Indicator 1: Listen, View and speak to communicate, retrieve, interpret, and evaluation information.</p>		

Unit: Database Quarter 1-2				
Resources	Projects	Standards	Learning Targets/Skills	Assessments
Microsoft Access MS Word	Class Database/ Business Database/ Letters Merged	CT.3.2 Organize and manage personal/professional information using technology tools.	■ I can create fields, add records, create data sorts, create queries and computed fields.	Queried Report/ Printout/ Completion
		NC.4.2 Formulate a technological solution using data-driven decision making.	■ I can create reports and combine data source with mail merge and prepare mailing labels.	
	Simulation The Final	NC.3.2 Integrate technology into school, home and community.	■ I can use my expertise and knowledge to merge my names and addresses in my database with my letter.	
		CT.1.1 Incorporate knowledge and enhanced usage skills to create a product.		
Unit: Presentation Quarter 1-2				
Resources	Projects	Standards	Learning Targets/Skills	Assessments
Microsoft Powerpoint Google Docs	Animation Simulation The Final	CT.1.1 Incorporate knowledge and enhanced usage skills to create a product.	■ I can use my expertise and knowledge make a static object animated and/or 3D object.	Group work/ Performance Assessment/ Completion
		IL.2.1 Independently evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.	■ I can describe and plan a presentation by creating text slides with art or objects I have drawn or with diagrams, tables and graphs.	
			■ I can hyperlink to specific documents.	

Unit: Spreadsheet Quarter 1-2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
<p>Microsoft Excel MS Word</p>	<p>The Job Team Collaborative Project Simulation The Final</p>	<p>NC.4.2 Formulate a technological solution using data-driven decision making.</p>	<p>■ I can determine which cells in a spreadsheet need to be used and which cells need to be calculated to find the solution to my monthly budget when I am living on my own.</p>	<p>Group work/ Performance Assessment/ Working on hyperlinks/ Completion/ Quiz</p>
		<p>CT.3.1 Select and apply technology tools for research, information analysis, problem solving, and decision making in content learning.</p>		
		<p>CT.2.2 Investigate to apply expert systems, intelligent agents, and simulations in real-world situations.</p>	<p>■ I can format cells and columns, sort, freeze and hide columns and rows.</p>	
		<p>CT.1.1 Incorporate knowledge and enhanced usage skills to create a product.</p>	<p>■ I can determine which method of Charting to use when different data is placed in my spreadsheet.</p>	
		<p>CT.3.2 Organize and manage personal/professional information using technology tools (e.g., finances, schedules, addresses, purchases, correspondence).</p>	<p>■ I can answer "What If" questions using the IF function and integrate worksheets with word processing and the Internet.</p>	

Unit: Online Learning Quarter 2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
WebCT MS Word MS Excel MS Access Powerpoint	Hoops Simulation	CT.2.2 Investigate to apply expert systems, intelligent agents, and simulations in real-world situations.	<ul style="list-style-type: none"> ■ I can demonstrate appropriate usage of all components of the Microsoft Office Suite. 	Group Collaboration/ Online Submitted Assignments/ Completion/ Objective Online Tests
		CT.3.2 Organize and manage personal/professional information using technology tools (e.g., finances, schedules, addresses, purchases, correspondence).		
		IL.2.1 Independently evaluates the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.		
		CT.2.1 Utilize a virtual learning environment as a strategy to build 21st century learning skills.	<ul style="list-style-type: none"> ■ I can demonstrate the use of the online learning tool called WebCT and submit paperless assignments. 	
		CP.2.1 Adapt delivery of communication based on available information technologies.	<ul style="list-style-type: none"> ■ I can define the difference between a Chat, a Blog, and a Discussion. 	
		NC.3.1 Analyze intended and unintended impacts of a system.		

Unit: Movie Quarter 2

Resources	Projects	Standards	Learning Targets/Skills	Assessments
Windows Movie Maker	Design and Complete a Movie	IL.2.1 Independently evaluates the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.	<ul style="list-style-type: none"> ■ I can find the correct and appropriate image on the Internet and place it on my timeline in my movie. 	Completion/ Performance Assessment
		CP.1.1 Collaborate with external peers, experts, and others by using technology to compile, synthesize, produce, and disseminate information models, and other creative works.	<ul style="list-style-type: none"> ■ I can collect a series of online images to represent historic events and import these images into Moviemaker. 	
			<ul style="list-style-type: none"> ■ I can create titles, effects and transitions along with importing music. 	

Unit: Individual Final Project Quarter 2				
Resources	Projects	Standards	Learning Targets/Skills	Assessments
Word/ Publisher/ Excel/ Powerpoint/ Access	Event Planner Individual Project	CT.3.1 Select and apply technology tools for research, information analysis, problem solving, and decision making in content learning.	<ul style="list-style-type: none"> ■ I can analyze and determine which type of software to use in a collaborative setting to communicate information to the class. 	Completion/ Performance Assessment
		IL.1.1 Design a research project using a variety of technologies to find information to solve a real-world problem.	<ul style="list-style-type: none"> ■ I can find solutions to real life problems when dealing with a variety of technologies and software. 	
		CT.1.2 Apply strategies for identifying and solving routine hardware and software issues.	<ul style="list-style-type: none"> ■ I can determine the most efficient way to find help to answer hardware and/or software questions. 	
		CT.2.3 Utilize online information resources routinely and efficiently to meet needs for collaboration, research, publication, communication, and productivity		
		CT.3.2 Organize and manage personal/professional information using technology tools (e.g., finances, schedules, addresses, purchases, correspondence).	<ul style="list-style-type: none"> ■ I can coordinator all information to present. 	