

Blackhawk School District

CURRICULUM

Course Title:	Computer
Grade Level(s):	Grade 5
Length of Course:	1 class (40 minutes) / 6 day cycle
Faculty Author(s):	Kim Steffanina
Date:	Spring 2009/ Revised May '09

Computer / Business Department Mission Statement:

Beginning at an early age, all students are introduced and prepared to explore and utilize the ever-evolving 21st century technology skills with confidence. Students will apply necessary information technology and business skills to be highly successful and competitive in a global community.

COURSE DESCRIPTION:

Write Description of course (3-4 sentences stating what students will learn in this class)

Fifth Grade computer class is designed to permit students to learn the basic hardware and software components of a computer system. Students will be able to explain the basic parts of a computer including input, processing, storage, and output components. Students will use the operating system, word processing, presentation, spreadsheet, and learning software programs to solve content-area questions and problems. Students will continue to develop speed and accuracy in touch type keyboarding.

The following outline provides a general overview of the course content, not a chronological timetable. The weeks denoted for each area provide an idea for the overall time spent working with a given topic throughout the school year.

COURSE OUTLINE	OBJECTIVES (PA standard)	PROPOSED TIME / ACTUAL TIME	RESOURCES	LESSON REFLECTION (for future revisions)
Students will correctly log on, log off, restart, and shut down a computer.	Use appropriate log-on, log-off, restart, shut down procedures.	1 day	computer	
Students will research and create a poster explaining an input, output, processing, or storage computer component.	3.6.5 B Explain knowledge of information technologies of data processing/transmission (input, processing, storage and output).	2 days	computer peripherals	
Students will describe various computer hardware components. Students will demonstrate the use, purpose, and proper care of hardware and software.	3.7.5 C Explain and demonstrate basic computer operations and concepts.	2 days	computer hardware and software	
Students will be given a content-area topic to research, choose the software to use such as Internet, Word, Excel, and PowerPoint and prepare a 3-page project.	3.7.5 D Use computer software to solve specific problems.	4 days	computer Internet application software	
Students will explain how computer components communicate using 1's and 0's to form bits and bytes.	3.7.5 E Explain basic computer communications systems.	1 day	computer	
Students will create an interactive video/storybook to explain one concept from the district's acceptable use policy. Students will create a podcast describing private information and how to stay safe on the Internet. Students will create a project using student-selected software to describe plagiarism and copyright law as it relates to the Internet.	Demonstrate an understanding of the social, legal, and ethical issues related to information technologies.	2 days	computer Internet applications software	

COURSE OUTLINE	OBJECTIVES (PA standard)	PROPOSED TIME / ACTUAL TIME	RESOURCES	LESSON REFLECTION (for future revisions)
Students will create a five-slide presentation project using clipart wordart, and animation on a content-area subject.	Demonstrate the ability to create a presentation with animation.	4 days	computer graphic software	
Students will create, format, edit, and print a 2 page report with proper reference citations.	Demonstrate the ability to create, format, edit, print, save word-processing documents.	1 days	computer word processing software	
Students will evaluate the quality and accuracy of Internet information for a content-area topic. Students will correctly type the citations for a book, magazine, and Internet cite for a research project for a content-area topic.	Demonstrate the ability to effectively utilize age appropriate internet search engines to access information and correctly cite sources.	4 days	computer Internet	
Students will correctly identify the CPU, monitor, keyboard, mouse, hard drive, floppy disk, and CD-ROM drive inside a computer. Students will correctly open files, folders, icons, and menus. Students will correctly identify the appropriate desktop icons and the software-specific icons on the appropriate toolbars.	Demonstrate the ability to identify hardware, files, folders, desktop icons, menus, and toolbars.	1 day	computer operating system applications software	
Students will create and format a basic spreadsheet with basic formulas on a content-area topic.	Demonstrate the basic ability to create, format, edit, print, and save spreadsheets and charts.	3 days	computer spreadsheet software	
Students will continue blogging to collaborate on content-area topics.	Introduce electronic communication skills along a variety of mediums.	1 day	computer Internet	

COURSE OUTLINE	OBJECTIVES (PA standard)	PROPOSED TIME / ACTUAL TIME	RESOURCES	LESSON REFLECTION (for future revisions)
Students will touch type all letters and the shift, return, comma, period, question mark, backspace, and enter keys.	Reinforce appropriate home row / touch typing keyboarding skills	3 days	computer typing software	
Students will use learning software such as Accelerated Reader, Star Reading, and Study Island.	Utilize age appropriate learning software.	1 day	computer learning software	