DRAFT 5-21-1999 TECHNOLOGY OBJECTIVES FOR FAYETTEVILLE STUDENTS

	Basic Operations And Concepts	Social, Ethical, And Human Issues	Technology Problem Solving Tools *	Technology Communication Tools	Technology Research Tools	Technology Productivity Tools
Grade 6 7	Students will… Demonstrate competency in previously identified performance standards. Use software to create original works (e.g., paint & draw applications, graphics, digital pictures). Uses software to gather, organize, and interpret information. Demonstrates safe and proper use of hardware, software, and storage media (including importance and techniques of making back-up copies). Understands how the schools network is structured and administered.	Students will… Demonstrate competency in previously identified performance standards. Demonstrate understanding of intellectual freedom and property by respecting and observing guidelines for using information, hardware, and networks. Distinguish types of ownership or protection of intellectual property such as copyright and patent. Observes Internet safety procedure including safeguarding personal information.	Students will… Demonstrate competency in previously identified performance standards. Select an appropriate problem solving model and use it in an attempt to solve a True problem related to an information need. Develop essential questions in a group setting that relate to a topic, and formulate a hypothesis. Recognize need for information to solve a problem or make informed decisions. Evaluate the effectiveness and efficiency of their choices using various sources including peers, models, etc. *A district committee has been formed to examine an inquiry learning model for use by all curricular areas.	Students will… Demonstrate competency in previously identified performance standards. Use appropriate software to create clear and organized visual presentations of information (e.g., spreadsheet, graph, chart) Use a variety of sources to create a multimedia presentation to communicate information.	Students will… Demonstrate competency in previously identified performance standards. Access and use a variety of sources, which might include CD-ROM, on-line resources, and other sources available on the local area network. Use an evaluation model to select information resources based on authority, accuracy, bias/point of view, timeliness, and relevance.* Work collaboratively (locally and remotely) to use technology for research to meet information needs. *Evaluation model will be developed by district.	Students will… Demonstrate competency in previously identified performance standards. Apply technology productivity tools to complete a school assignment, work assignment or to meet a personal need. Create with assistance, written visual, oral, and multimedia presentations of investigation results or inquiry.

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Grade 8 9	Students will… Demonstrate competency in previously identified performance standards. Be able to copy and transfer data and files, format and label disks, and organize and navigate through files and folders. Maintain their network account including protecting and periodically changing of their password, maintaining home directory, and email account. Understands proper handling and maintenance of hardware and storage media, and procedures to follow when problem is identified. Understand and be sensitive to the relationships between hard- and soft- ware.	Students will… Demonstrate competency in previously identified performance standards. Understand, respect, and observe copyright laws regarding use and transmission of information in production. Demonstrate awareness and understanding of "fair use" guidelines for educational purposes.	Students will… Demonstrate competency in previously identified performance standards. Will be able to write or articulate an essential question using given information and pose additional questions. Identify key words for researching a problem. Search for and sort out meaningful data. Explore the use of technology in the presentation of collected data to help determine the solution to a problem.	Students will… Demonstrate competency in previously identified performance standards. Use telecommunication independently to communicate information with peers on similar studies, to collaborate, to publish and to interact with others. Evaluate effectiveness of technology as a communication tool in terms of content, relevance, and audience. Create and use databases, spreadsheets, and other graphic tools to communicate numeric information.	Students will… Demonstrate competency in previously identified performance standards. Access and use a variety of sources, which might include CD-ROM, on-line resources, and other sources available on the local area network. Use an evaluation model to select information resources based on authority, accuracy, bias/point of view, timeliness, relevance and usefulness. Work collaboratively (locally and remotely) to use technology for research to meet information needs.	Students will… Demonstrate competency in previously identified performance standards. Create, with assistance, original written, visual, oral, and multimedia presentations of an investigation or inquiry that reflect planning and are designed for a specific audience. Apply technology productivity tools to complete a school, work, or personal assignment. Access information for research using search engines.

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	Basic Operations And Concept	Social, Ethical, And Human Issues	Technology Problem Solving Tools	Technology Communication Tools	Technology Research Tool	Technology Productivity Tools
Grade 10 11 12	Students will… Demonstrate competency in previously identified performance standards. Recognize and use technology for personal information management (e.g., finances, portfolio, career information). Understand proper handling and maintenance of hardware and storage media, and maintenance required for a safe work environment. Identifies specific tools, equipment, machines, or systems to address an information need. Know, understand, and follow District Computer Use Policies as they relate to the Basic Operations of the technology network. Use Email effectively to communicate information, files, and questions to peers, faculty, and parents.	Students will… Demonstrate competency in previously identified performance standards. Observe ethical and legal restrictions and contractual agreements when copying or downloading data or files from any print, non-print, or electronic sources. Demonstrate understanding of the process for copyrighting their own work. Observe Internet safety procedures which includes safeguarding personal information and reading and obeying contractual agreements when downloading information. Understand the importance of identifying secure sites for conducting financial or other confidential transactions. Observe district procedures that apply to web publishing.	Students will… Demonstrate competency in previously identified performance standards. Use a variety of technological resources in development of strategies to solve problems in the real world. Plan a strategy and use appropriate resources to solve an information problem or task, and evaluate the effectiveness of their strategy. Systemically integrate and develop their technological skills in the presence of content area study. Effectively use technology to demonstrate their understanding of a concept.	Students will… Demonstrate competency in previously identified performance standards. Use telecommunications to search for and identify potential work, college, and other learning opportunities Evaluates effectiveness of technology as a communication tool in terms of content, relevance, audience, and new information for self and/or group and for peers when used in a presentation.	Students will… Demonstrate competency in previously identified performance standards. Evaluate, analyze, and identify information in terms of purpose, appropriateness, audience, bias/point of view for print and non-print materials (e.g. internet, television, books). Collaborate locally and remotely with peers, experts, and others to collect, produce, and share information gleaned from research. (e.g. authors on line, Jason Project, email, video conference).	Students will… Demonstrate competency in previously identified performance standards. Independently create original written, visual, oral, and multimedia presentations with a variety of input and presentation devices, which reflect planning and are designed for a specific audience.