Miami-Dade County Public Schools
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INSTRUCTIONAL TECHNOLOGY

COMPONENT	OBJECTIVES	COMPETENCY
I Basic Operations and Concepts	1. Compare, contrast, and appropriately use the various input, processing, output, and primary/secondary storage devices. 2. Demonstrate knowledge and appropriate use of operating systems. 3. Make decisions regarding the selection and use of software based on its quality, appropriateness, effectiveness, and efficiency. 4. Delineate and make necessary adjustments regarding compatibility issues including digital file formats and cross platform connectivity.	A. Demonstrate proper care and operation of equipment.
II Technology Tools	1. Select and use appropriate desktop publishing features, e.g., • fonts • styles • sizes • multi-columns • graphics • headings/subheadings • scanned images 2. Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum. 3. Design, develop, publish, and present products using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom. 4. Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems. 5. Use visual organizers to design solutions such as storyboards, flowcharts, or schematic drawings. 6. Collaborate with peers, experts, and others to contribute to a content related knowledge base by using technology to compile, synthesize, produce, and disseminate information.	A. Create a desktop publishing document which incorporates appropriate desktop publishing features. B. Import information from a variety of sources, ie., text from a word processor, photo/graphics, spreadsheet chart, and incorporate into a desktop published document. C. Create interdisciplinary multimedia presentations/web pages including audio, video, text and graphics. D. Using one invention from the past, students will examine the importance of that innovation and its impact on emerging technology. Students can then identify specific needs, design their own innovations and present their ideas on a web site.

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COMPONENT	OBJECTIVES	COMPETENCY
	7. Explore applications of artificial intelligence: • robotics • simulations • virtual reality	
III Technology Communication Tools	1. Use local area networks and wide area networks including the Internet and intranet, in research and resource sharing. 2. Construct appropriate electronic search strategies in the acquisition of information including keyword and Boolean search strategies. 3. Select and use appropriate study and research skills and tools according to the type of information begin gathered or organized, including almanacs, government publications, microfiche, news sources, and information services. 4. Research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems.	A. Given a particular subject to investigate, use online and off-line resources as a research tool, e.g., • Antarctica - the last unspoiled wilderness on earth. B. Participate in online collaborative projects with other students around the country and/or world. C. Design web pages to include: • student work • school information sharing • calendars
IV Social, Ethical, and Human Issues	1. Recognize and model ethical acquisition and use of digital information regarding: • proper etiquette • Acceptable Use Policy • copyright laws/issues • piracy • censorship • unauthorized access 2. Adhere to Miami-Dade County Public Schools' *Acceptable Use Policy*. 3. Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society.	A. Read, discuss and practice the tenets of the Miami-Dade County Public Schools' *Acceptable Use Policy*. B. Develop a position paper on the ethical use of technology in our society, citing a minimum of four online or offline resources. C. Find examples of advertisements in the media where technology is used to bend reality or create fantasy. Create a multimedia presentation exploring the inaccuracies.