Advanced Computer Applications Blueprint
Technology Assessment
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FUNDAMENTAL OPERATIONS AND CONCEPTS TE-C1A1 Students understand the operations and function of technology systems and are proficient in the use of technology.		# of Ques
TE-C1A1-01 Communicate about technology using developmentally appropriate and accurate terminology	PO 1. Use basic vocabulary related to technology PO 2. Use basic vocabulary related to systems	**8-12**
TE-C1A1-02 Demonstrate increasingly sophisticated operation of technology components *(See: Workplace Skills 7WP-E1)* *(See Technology 3T-E2, PO1)*	PO 1. Use touch-typing strategies to reach a minimum of 30 words per minute with 80% accuracy PO 3. Demonstrate functional operation of technology devices (e.g., presentation devices, digital cameras, scanners)	**4-8**

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TECHNOLOGY PRODUCTIVITY TOOLS TE-C3A1 Students use technology tools to enhance learning, to increase productivity and creativity, and to construct technology-enhanced models, prepare publications and produce other creative works.		# of Ques
TE-C3A1-03 Use formatting capabilities of technology tools for communicating and illustrating *(See: Language Arts W-F1, PO5)*	PO 1. Use word processing editing tools to revise a document • Create and customize tables • Format a document with heading styles • • Create bookmarks to cross-reference pages within a document • • Reorganize a document by using outline view PO 2. Design a word processing document with graphical elements • Create custom bullets, page borders and watermarks • Align, arrange, move and rotate graphics • Enhance text and graphics with borders, fills, shading and shadow PO 3. Use mail merge to create form letters, mailing labels and other documents	**6-10**
TE-C3A1-04 Use a variety of technology tools for data collection and analysis *(See: Mathematics 2M-E1, Science 1SC-E3, Work Place 7WP-E2, and Social Studies 1SS-E8, PO1)*	PO 3. Create a database with multiple fields to manipulate data in a variety of ways (e.g., sort, filter, query, merge, list and report)	**6-10**
TE-C3A1-05 Publish or present information using technology tools *(See: Language Arts VP-E2, Science 1SC-E3, PO1, grades 6-8 See Technology 4T-E2, PO1 or 4T-E3)*	PO 1. Design and create a multimedia presentation or web page using multiple digital sources (e.g., from digital camera, video, scanner, , Internet, DVD) PO 2. Publish or present the above production PO 3. Evaluate publications based on aesthetics as well as the six traits; ideas, organization, voice, word choice, sentence fluency and conventions.	**0-4**

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TECHNOLOGY COMMUNICATIONS TOOLS TE-C4A1 Building on productivity tools, students will collaborate, publish, and interact with peers, experts and other audiences using telecommunications and media.		# of Ques
TE-C4A1-06. Use technology tools for individual and collaborative writing, communication and publishing activities to create curricular related products for audiences inside and outside the classroom *(See: Language Arts W-E2-E7, LS-E1 & E2)*	PO 1. Plan, design and present an academic product using technology tools (e.g., multimedia authoring, presentation software, digital cameras, scanners and projection devices)	**0-4**

TECHNOLOGY RESEARCH TOOLS TE-C5A1 Students will utilize technology-based research tools to locate and collect information pertinent to the task as well as evaluate and analyze information from a variety of sources. *Note: The performance objectives described in Standard 5 rely upon the mastery of skills and understanding of concepts from Standards 1-4 of this document.*		# of Ques
TE-C5A1-07 Locate information from electronic resources *(See: Arts {Theatre} 2AT-E4, Language Arts W-E8)*	PO 4. Use advanced search techniques to access available electronic research resources (i.e., grade level appropriate Internet resources)	**2-6**
TE-C5A1-08 Evaluate the accuracy, relevance, appropriateness, comprehensiveness and bias of electronic information sources *(See: Social Studies 1SS-E1, PO2 and 1SS-E8, PO5-6)*	PO 5. Identify the author of the information found from electronic resources and determine whether the author is an authority, displays bias and is a primary or secondary source	**2-6**

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TECHNOLOGY AS A TOOL FOR PROBLEM SOLVING AND DECISION-MAKING TE-C6A1 Students use technology to make and support decisions in the process of solving real-world problems. *Note: Problem solving is inherent in all disciplines. Technology Standard 6 is designed to provide a cumulative (capstone) experience. See: Science 3SC in its entirety and Workplace Skills 3WP in its entirety*	# of Ques
TE-C6A1-09 Determine when technology is useful and select and use the appropriate tools and technology resources to solve problems	PO 1. Based on a problem , identify and use appropriate technology tools to - Collect data - Organize data - Analyze data - interpret data - develop a solution to the problem - present findings

Note: the above table has a third column for # of Ques with value **2-6**.

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