



**CORRELATION  
CURRICULUM FRAMEWORKS**

**COURSE TITLE: Computer Applications (Grades9-12)**

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**COURSE NUMBER: N/A**

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<b>INTENDED OUTCOMES (Number and outcome)</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
1. Appropriate use of varied input and output devices, and file management and transfer concepts.	Appendix A, pp. A2-A3 Appendix B, pp. A19-A24 Appendix C, pp. A25-A33 Objective #6 printing, pp. 25-27 Ex. 1-28, p. 365 Ex. 10-30, pp. 366-367	         
2. Ergonomic principles applicable to the configuration of computer workstations. (Basic)	None	
3. Information systems (Basic)		
3.1 Keyboarding skills.	Table 1-5, p. 21 Ex. 2-1, pp. 40-42 Table 2-3, p. 47 Ex. 9-21, p. 324	     
3.2 Current and emerging computer technology and software.	TE- pp. T4-T10, New Features Appendix C, pp. A25-A33	 

<b>INTENDED OUTCOMES (Number and outcome)</b>	<b>PAGE(S) OR LOCATION(S) WHERE TAUGHT</b>	<b>I/M*</b>
3.3 Communications and networking systems.	Ex. 7-14, pp. 247-248 Ex. 9-23, pp. 326-327 Ex. 17-1, p. 591 Ex. 17-5, p. 597 Ex. 17-10, pp. 606-607 Unit Application 5-4, p. 618	         
3.4 Install and update software.	p. xxiv, Installation	M
3.5 Reference sources such as on-line help, vendor bulletin boards, tutorials, and manuals available for application software. (Basic/Intermediate)	Using Help, pp. 28-29, 63-64, 99, 138-139, 185-186, 218-219, 249, 405, 441, 478, 515, 544, 576-577, 602-603, 641, 680, 726 More Information, p. xxi	  
3.6 Troubleshooting problems with computer software, hardware, peripherals, and other office equipment. (Basic/Intermediate)	Ex. 11-15, pp. 400-401 Ex. 14-8, p. 512 Ex. 14-9, pp. 512-514 Ex. 14-14, pp. 522-523 Unit Application 5-1, p. 615	       
3.7 Activities for demonstrating proficiency in keyboarding.	Ex. 2-1, pp. 40-42 Ex. 7-24, p. 259 Ex. 7-25, p. 259 Ex. 9-21, pp. 324-325 Ex. 9-22, pp. 325-326	       
3.8 Activities for demonstrating proficiency in troubleshooting computer problems.	Ex. 14-9, pp. 512-514 Ex. 14-18, pp. 526-528 Ex. 14-21, p. 528 Unit Application 5-1, p. 615	     

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4. Word Processing		
4.1 Creating, editing and manipulating documents using word processing software.	Ex. 1-11, p. 21 Ex. 1-13, p. 23 Ex. 3-1, p. 78 Ex. 3-4, p. 82 Ex. 9-21, pp. 324-325 Ex. 18-1, p. 621	M M M M M I
4.2 Activities for demonstrating proficiency with word processing software. (Basic)	Ex. 1-11, p. 21 Ex. 3-1, p. 78 Ex. 3-4, p. 82 Ex. 9-21, pp. 324-325 Ex. 9-22, pp. 325-326 Ex. 18-1, pp. 621-622	M M M M M I
4.3 Activities for demonstrating proficiency with advance word processing skills. (Intermediate)	Ex. 18-2, pp. 622-623	I
5.0 Spreadsheets		
5.1 Using words, symbols, variables, tables, and graphs. (Basic/Intermediate)	pp. 1-744 Ex. 2-8, pp. 51-52 Ex. 2-22, pp. 70-71 Ex. 2-28, p. 75 Ex. 8-9, pp. 274-275 Ex. 15-8, p. 536	I I I I I I
5.2 Mathematical processes and tools. (Basic)	Ex. 2-14, pp. 58-59 Ex. 2-17, pp. 61-62 Ex. 2-18, pp. 62-63 Ex. 5-2, pp. 160-161 Ex. 5-12, pp. 173-175 Ex. 5-13, pp. 175-176	I I I I I I

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5.3 The impact of changing parameters of given functions. (Basic)	Ex. 6-2, pp. 203-204 Ex. 6-3, pp. 204-206 Ex. 6-4, pp. 206-207 Ex. 6-5, pp. 207-208 Ex. 7-2, pp. 235-236 Ex. 15-4, p. 533	         
5.4 Limitations of using statistical techniques and data in making inferences and valid arguments. (Basic)	Critical Thinking #2, p. 294 Ex. 14-1, pp. 501-503 Troubleshooting Errors, p. 512 Critical Thinking #2, p. 547	     
5.5 Activities for demonstrating proficiency with spreadsheets. (Intermediate)	Ex. 11-7, p. 393 Ex. 11-27, pp. 417-418 Ex. 14-1, pp. 501-503 Ex. 15-11, pp. 540-541 Ex. 15-9, pp. 538-539 Ex. 20-7, pp. 705-766	         
<b>6. Databases (Basic)</b>		
6.1 Creating, editing and manipulating documents using databases.	Ex. 2-27, p. 75 Ex. 2-28, p. 75 Ex. 20-2, pp. 698-699 Ex. 20-6, pp. 703-704 Ex. 20-10, pp. 708-709 Ex. 20-33, p. 739	         
6.2 Multiple systems for organizing data.	Ex. 8-14, p. 279 Ex. 8-18, p. 284 Ex. 18-3, p. 623 Ex. 18-5, p. 625 Ex. 20-1, p. 698 Ex. 20-2, pp. 698-700	         

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6.3 Charts, tables, and plots.	Table 8-2, pp. 272-273 Ex. 8-8, pp. 273-276 Ex. 18-11, pp. 277-278 Ex. 15-8, pp. 536-537 Ex. 20-5, pp. 702-703 Ex. 20-17, p. 717	         
6.4. Activities for demonstrating proficiency with databases. (Intermediate)	Ex. 15-4, p. 533 Ex. 18-1, pp. 621-622 Ex. 19-1, p. 657 Ex. 20-7, pp. 705-706 Ex. 20-10, pp. 708-709 Unit Application 6-4, p. 744	         
7. Graphic images (Basic)		
7.1 Production elements that contribute to the effectiveness of a specific medium.	Ex. 8-18, pp. 284-285 Ex. 9-11, p. 316 Ex. 9-13, pp. 318-319 Ex. 9-15, pp. 320-321 Ex. 9-17, p. 322 Ex. 9-20, pp. 323-324	         
7.2 Integrating multimedia and technology into presentations.	Ex. 8-18, pp. 284-285 Ex. 9-13, pp. 318-319 Ex. 9-15, pp. 320-321 Ex. 9-17, p. 322 Ex. 9-20, pp. 323-324	       
7.3 Tools, media, processes, and techniques.	Ex. 8-19, pp. 285-287 Lesson 8, p. 292 Ex. 9-5, p. 311 Ex. 9-11, p. 316 Ex. 9-13, pp. 318-319 Ex. 9-15, pp. 320-321	         

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7.4 Maps, geographic technologies including geographic information systems (GIS) and satellite-produced imagery, and other advanced graphic representations. (Intermediate)	Page 2 Cross Curriculum #4, p. C-5 Cross Curriculum #1, p. C-6 (Cross Curriculum Projects are after p. 384)	M M M
7.5 Activities for demonstrating proficiency with manipulating graphic images. (Intermediate)	Ex. 8-19, pp. 285-287 Ex. 8-20, pp. 285-286 Ex. 9-14, p. 319 Ex. 9-15, pp. 320-321 Ex. 9-17, p. 322 Ex. 9-20, pp. 323-324	I I I I I I
8. Research using telecommunications and the Internet. (Basic)		
8.1 Research skills and tools.	Cross Curriculum #1, p. C-8 Cross Curriculum #5, p. C-15 Cross Curriculum#2, p. C-16 Unit Application 5-4, p. 618 Ex. 18-11, pp. 633-634 Ex. 19-35, p. 696	I I I I I I
8.2 Primary source information.	Cross Curriculum #1, p. C-8 Cross Curriculum #5, p. C-15 Cross Curriculum#2, p. C-16 Unit Application 6-4, p. 744 Ex. 19-36, p. 696	I I I I I
8.3 Access, process, and transmit information through all mediums (e.g. fax, e-mail, modem, Internet, teleconferencing).	Cross Curriculum #1, p. C-8 Cross Curriculum #5, p. C-15 Cross Curriculum #2, p. C-16 Unit Application 5-4, p. 618 Ex. 18-10, pp. 631-635 Ex. 19-35, p. 696	I I I I I I

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8.4 Activities for demonstrating proficiency with electronic research. (Intermediate)	Cross Curriculum #1, p. C-8 Cross Curriculum #5, p. C-15 Cross Curriculum#2, p. C-16 Unit Application 5-4, p. 618 Ex. 18-11, pp. 633-634 Ex. 19-35, p. 696	         
9. The impact of computers on society and the need for their ethical use. (Basic)	Critical Thinking #1, p. 729	
10. Using information management tools and logical planning to describe the tasks, resources, and timelines necessary for the completion of specified projects. (Intermediate/Advanced)		
10.1 Activities for demonstration of proficiency at both intermediate and advanced levels of using information management tools.	Ex. 2-28, p. 75 Critical Thinking #1, p. 252 Ex. 7-24, p. 259 Unit Application 2-4, p. 262 Critical Thinking #2, 729	M       
11. Using input and output devices for file management and transfer concepts. (Intermediate)	Ex. 1-16, pp. 27-28 Ex. 5-22, pp. 184-185 Ex. 9-23, pp. 326-327 Ex. 15-16, pp. 534-535 Appendix A, pp. A2-A3	         M
12. Access strategies and appropriate use of the Internet and electronic communications. (Intermediate)	Using Help #2, #3, p. 28 Using Help #1, p. 249 Ex. 9-17, p. 322 Ex. 11-17, pp. 403-404 Note, p. 591 Unit Application 6-4, p. 744	   M     

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13. Creating visual organizers and design solutions (e.g., storyboards, flowcharts, schematic drawings) for specified problems. (Intermediate)		
13.1 Activities that provide the opportunity to demonstrate proficiency with these skills and concepts.	Ex. 8-1, pp. 265-266 Table 8-2, pp. 272-273 Ex. 8-11, pp. 277-278 Ex. 8-18, pp. 284-285	     
14. Productivity and multimedia tools and peripherals. (Intermediate)	Ex. 9-23, pp. 326-327 Ex. 9-24, pp. 327-328 Ex. 11-17, pp. 402-403 Ex. 15-6, pp. 534-535 Ex. 15-8, pp. 536-537	       
15. Activities to demonstrate skill in using technology to increase productivity and enhance performance. (Basic/Intermediate/Advanced)	Unit Application 2-3, pp. 261-262 Critical Thinking #1, p. 294 Ex. 8-30, pp. 299-301 Ex. 14-11, pp. 519-520 Ex. 14-14, pp. 522-523 Ex. 15-9, pp. 538-539	         