

ATTACHMENT A, SUPTS. MEMO #132

AGRICULTURAL EDUCATION

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses
June, 2000

| | Agriscience Education 8002-8004 | Agriculture I 8006 | Agriculture II 8008 | Agricultural Business 8022, 8024, 8026 | Agricultural Machinery Service 8016, 8018, 8020 | Agricultural Production 8010, 8012, 8014 | Natural Resources Management 8040, 8042, 8044 | Horticulture 8034, 80.36, 8038 | Courses for Special Populations 8050, 8053, 8070 | Senior Intensified Courses 8051, 8052 | Applied Agricultural Concepts 8072/8073 | Ecology/Conservation 8045/8046 | Equine Management and Production 8015/8080 | Small Animal Care 8083, 8084 | Small Engine Repair 8021/8082 |
|---|------------------------------------|-----------------------|------------------------|---|--|---|--|-----------------------------------|---|--|--|-----------------------------------|---|---------------------------------|----------------------------------|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | | | | | | | | | | | | | | | |
| Demonstrate touch-typing skills in computer use. | | | | | | | | | | | | | | | |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Describe how imaging devices may be used with computer systems. | | | | | | | | | | | | | | | |
| Describe how computers may be connected to form a telecommunication network. | . | | | . | . | . | . | . | | | | | | | |
| Analyze and solve simple hardware and software problems. | | | | . | . | . | . | . | | . | . | . | . | . | . |
| Identify new and emerging technologies. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | | . | . | . | . | . | . | . | | | | . | . | . | . |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | | . | . | . | . | . | . | . | | | | . | . | . | . |

| | Agriscience Education 8002-8004 | Agriculture I 8006 | Agriculture II 8008 | Agricultural Business 8022, 8024, 8026 | Agricultural Machinery Service 8016, 8018, 8020 | Agricultural Production 8010, 8012, 8014 | Natural Resources Management 8040, 8042, 8044 | Horticulture 8034, 80.36, 8038 | Courses for Special Populations 8050, 8053, 8070 | Senior Intensified Courses 8051, 8052 | Applied Agricultural Concepts 8072/8073 | Ecology/Conservation 8045/8046 | Equine Management and Production 8015/8080 | Small Animal Care 8083, 8084 | Small Engine Repair 8021/8082 |
|---|------------------------------------|-----------------------|------------------------|---|--|---|--|-----------------------------------|---|--|--|-----------------------------------|---|---------------------------------|----------------------------------|
| Design and manipulate databases and generate customized reports. | | | | . | . | . | . | . | | | | | | | |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | | | | . | . | . | . | . | | . | . | . | . | . | . |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | | | | | | | | | | | | | | | |
| Select, evaluate, and use appropriate technology for research and data collection. | | | | . | . | . | . | . | | | | . | | | |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | | | | | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | | | | | | | | | | | | | | | |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | | | | | | | | | | | | | | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | | | | | | | | | | | | | | | |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | | | | | | | | | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | | | | . | . | . | . | . | | | | | | | |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | | | | . | . | . | . | . | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|------------------------------------|-----------------------|------------------------|---|--|---|--|-----------------------------------|---|--|--|-----------------------------------|---|---------------------------------|----------------------------------|
| Use a wide variety of electronic media and databases to search for and retrieve information. | Agriscience Education 8002-8004 | Agriculture I 8006 | Agriculture II 8008 | Agricultural Business 8022, 8024, 8026 | Agricultural Machinery Service 8016, 8018, 8020 | Agricultural Production 8010, 8012, 8014 | Natural Resources Management 8040, 8042, 8044 | Horticulture 8034, 80.36, 8038 | Courses for Special Populations 8050, 8053, 8070 | Senior Intensified Courses 8051, 8052 | Applied Agricultural Concepts 8072/8073 | Ecology/Conservation 8045/8046 | Equine Management and Production 8015/8080 | Small Animal Care 8083, 8084 | Small Engine Repair 8021/8082 |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Select appropriate technology for communicating information for an intended purpose and audience. | | | | . | . | . | . | . | . | . | . | . | . | . | . |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | | | | . | . | . | . | . | . | . | . | . | . | . | . |
| Appropriately cite electronic resources in gathering information. | | | | . | . | . | . | . | . | . | . | . | . | . | . |
| Apply Copyright and Fair Use Guidelines in reporting information. | | | | . | . | . | . | . | | | | | | | |

BUSINESS

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses
June, 2000

| | Keyboarding (Middle) 6150 | Keyboarding (Secondary) 6151 | Keyboarding Applications 6152 | Accounting 6320 | Advanced Accounting 6321 | Business Law 6131 | Business Management 6135 | Computer Applications 6611 | Computer Information Systems 6612 | Advanced Computer Information Systems 6613 | Computer Network Software Operations 6650 | Advanced Computer Network Software Operations 6651 | Computer Solutions 6610 | Desktop/Multi-media Presentations 6630 | Finance 6120 | Legal Systems Administration 6735 | Make It your Business 6110 | Medical Systems Administration 6730 | Principles of Business and Marketing 6115 | Office Administration 6621 | Programming 6640 | Word Processing 6625 | Office Specialist Series I-IV 6740-6743 | |
|---|------------------------------|---------------------------------|----------------------------------|--------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|--------------------------------------|---|--|---|----------------------------|---|-----------------|--------------------------------------|-------------------------------|--|--|-------------------------------|---------------------|-------------------------|--|---|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Demonstrate touch-typing skills in computer use. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Describe how imaging devices may be used with computer systems. | | | . | | | | | . | . | . | . | . | . | . | | . | | . | | . | . | . | . | |
| Describe how computers may be connected to form a telecommunication network. | | | | | | | | . | . | . | . | . | . | . | | | | | | . | . | . | . | |
| Analyze and solve simple hardware and software problems. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Identify new and emerging technologies. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

| | Keyboarding (Middle) 6150 | Keyboarding (Secondary) 6151 | Keyboarding Applications 6152 | Accounting 6320 | Advanced Accounting 6321 | Business Law 6131 | Business Management 6135 | Computer Applications 6611 | Computer Information Systems 6612 | Advanced Computer Information Systems 6613 | Computer Network Software Operations 6650 | Advanced Computer Network Software Operations 6651 | Computer Solutions 6610 | Desktop/Multi-media Presentations 6630 | Finance 6120 | Legal Systems Administration 6735 | Make It your Business 6110 | Medical Systems Administration 6730 | Principles of Business and Marketing 6115 | Office Administration 6621 | Programming 6640 | Word Processing 6625 | Office Specialist Series I-IV 6740-6745 |
|---|------------------------------|---------------------------------|----------------------------------|--------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|--------------------------------------|---|--|---|----------------------------|---|-----------------|--------------------------------------|-------------------------------|--|--|-------------------------------|---------------------|-------------------------|--|
| Design and manipulate databases and generate customized reports. | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Select, evaluate, and use appropriate technology for research and data collection. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | . | . | . | . | . | . | | | | | | | . | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | | | | | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | | | | . | . | . | . | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | | | | | . | | | . | | | | | | | | | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

| | Keyboarding (Middle) 6150 | Keyboarding (Secondary) 6151 | Keyboarding Applications 6152 | Accounting 6320 | Advanced Accounting 6321 | Business Law 6131 | Business Management 6135 | Computer Applications 6611 | Computer Information Systems 6612 | Advanced Computer Information Systems 6613 | Computer Network Software Operations 6650 | Advanced Computer Network Software Operations 6651 | Computer Solutions 6610 | Desktop/Multi-media Presentations 6630 | Finance 6120 | Legal Systems Administration 6735 | Make It your Business 6110 | Medical Systems Administration 6730 | Principles of Business and Marketing 6115 | Office Administration 6621 | Programming 6640 | Word Processing 6625 | Office Specialist Series I-IV 6740-6745 |
|--|------------------------------|---------------------------------|----------------------------------|--------------------|-----------------------------|----------------------|-----------------------------|-------------------------------|--------------------------------------|---|--|---|----------------------------|---|-----------------|--------------------------------------|-------------------------------|--|--|-------------------------------|---------------------|-------------------------|--|
| Use a wide variety of electronic media and databases to search for and retrieve information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Select appropriate technology for communicating information for an intended purpose and audience. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | | | | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Appropriately cite electronic resources in gathering information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Apply Copyright and Fair Use Guidelines in reporting information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

WORK & FAMILY STUDIES

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses
June, 2000

| | Family Relations 8223/8225 | Individual Development 8209/8210 | Life Planning 8226/8227 | Nutrition and Wellness 8228/8229 | Parenting 8231/8232 | Resource Management 8214/8219 | Intro to Consumer Services 8235/8236 | Intro to Early Childhood Education 8233/8234 | Intro to Family and Human Services 8237/8238 | Intro to Fashion Design 8247/8248 | Intro to Food Occupations 8249/8250 | Intro to Housing 8254/8255 | Intro to Hospitality 8258/8259 | Work and Family Management 8205/8282 | Early Childhood Education 8285/8286 | Family and Human Services 8264/8265 | Fashion Design 8280/8281 | Food Occupations 8275/8276 | Interior Design 8295/8296 | Hospitality Services 8202/8203 | GRADS 8277, 8278, 8213 | |
|---|-------------------------------|-------------------------------------|----------------------------|-------------------------------------|------------------------|----------------------------------|---|---|---|--------------------------------------|--|-------------------------------|-----------------------------------|---|--|--|-----------------------------|-------------------------------|------------------------------|-----------------------------------|---------------------------|---|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Demonstrate touch-typing skills in computer use. | | | | | | | | | | | | | | | | | | | | | | |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Describe how imaging devices may be used with computer systems. | | | | | | | | | | | | | | | | | | | | | | |
| Describe how computers may be connected to form a telecommunication network. | | | | | | | | | | | | | | | | | | | | | | |
| Analyze and solve simple hardware and software problems. | | | | | | | | | | | | | | | | | | | | | | |
| Identify new and emerging technologies. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | | | . | . | | | | | | | | | | | . | . | . | . | . | . | | |

| | Family Relations 8223/8225 | Individual Development 8209/8210 | Life Planning 8226/8227 | Nutrition and Wellness 8228/8229 | Parenting 8231/8232 | Resource Management 8214/8219 | Intro to Consumer Services 8235/8236 | Intro to Early Childhood Education 8233/8234 | Intro to Family and Human Services 8237/8238 | Intro to Fashion Design 8247/8248 | Intro to Food Occupations 8249/8250 | Intro to Housing 8254/8255 | Intro to Hospitality 8258/8259 | Work and Family Management 8205/8282 | Early Childhood Education 8285/8286 | Family and Human Services 8264/8265 | Fashion Design 8280/8281 | Food Occupations 8275/8276 | Interior Design 8295/8296 | Hospitality Services 8202/8203 | GRADS 8277, 8278, 8213 | |
|---|-------------------------------|-------------------------------------|----------------------------|-------------------------------------|------------------------|----------------------------------|---|---|---|--------------------------------------|--|-------------------------------|-----------------------------------|---|--|--|-----------------------------|-------------------------------|------------------------------|-----------------------------------|---------------------------|---|
| Design and manipulate databases and generate customized reports. | | | | | | | | | | | | | | | | | | | | | | |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | | | | | | | | | | | | | | | | | | | | | | |
| Select, evaluate, and use appropriate technology for research and data collection. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | | | | | | | | | | | | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | | | | | | | | | | | | | | | | | | | | | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | | | | | | | | | | | | | | | | | | | | | | |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | | | | | | | | | | | | | | | | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |

HEALTH OCUPATIONS

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses

June, 2000

| | Veterinary Assistant 8310-8312 | Dental Assistant 8328, 8329 | Emergency Medical Technology 8333, 8334 | Medical Assistant 8345, 8346 | Surgical Technology 8351, 8352 | Practical Nursing 8357, 8358 | Nursing Assistant (Nurse Aide) 8360, 8362 |
|---|-----------------------------------|--------------------------------|--|---------------------------------|-----------------------------------|---------------------------------|--|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | - | - | - | - | - | - | - |
| Successfully operate a multimedia computer system with related peripheral devices. | | . | . | . | . | . | . |
| Demonstrate touch-typing skills in computer use. | . | . | . | . | . | . | . |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | . | . | . |
| Describe how imaging devices may be used with computer systems. | | . | . | . | . | . | |
| Describe how computers may be connected to form a telecommunication network. | | . | . | | . | . | |
| Analyze and solve simple hardware and software problems. | | | . | | . | . | |
| Identify new and emerging technologies. | | | . | . | . | . | |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | - | - | - | - | - | - | - |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | | . | . | . | . | . | |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | | | | | | | |

| | Veterinary Assistant 8310-8312 | Dental Assistant 8328, 8329 | Emergency Medical Technology 8333, 8334 | Medical Assistant 8345, 8346 | Surgical Technology 8351, 8352 | Practical Nursing 8357, 8358 | Nursing Assistant (Nurse Aide) 8360, 8362 |
|---|-----------------------------------|--------------------------------|--|---------------------------------|-----------------------------------|---------------------------------|--|
| Design and manipulate databases and generate customized reports. | . | | . | | | | |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | | | | | | | |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | | | . | | . | . | |
| Select, evaluate, and use appropriate technology for research and data collection. | | | . | | | | |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | | | | | | | |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | | | | | | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | | | | | | | |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | . | . | . | . | . | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | . | . | . | . | . | . | . |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | | | | | | | |

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|--|-----------------------------------|--------------------------------|--|---------------------------------|-----------------------------------|---------------------------------|--|
| | Veterinary Assistant 8310-8312 | Dental Assistant 8328, 8329 | Emergency Medical Technology 8333, 8334 | Medical Assistant 8345, 8346 | Surgical Technology 8351, 8352 | Practical Nursing 8357, 8358 | Nursing Assistant (Nurse Aide) 8360, 8362 |
| Use a wide variety of electronic media and databases to search for and retrieve information. | | | | | | | |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | | | | | | | |
| Select appropriate technology for communicating information for an intended purpose and audience. | . | . | . | . | . | . | . |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | | . | . | . | . | . | |
| Appropriately cite electronic resources in gathering information. | | | | | | | |
| Apply Copyright and Fair Use Guidelines in reporting information. | . | . | . | . | . | . | . |

MARKETING

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses
June, 2000

| | Make It Your Business 8109 | Fundamentals of Marketing 8110 | Introduction to Marketing 8111 | Principles of Business and Marketing 8115 | Marketing 8120/8121 | Electronic Commerce 8125 | Advanced Marketing 8130/8131 | Marketing Management 8132 | International Marketing 8135 | Advanced International Marketing 8136 | Fashion Marketing 8140/8141 | Advanced Fashion Marketing 8145/8146 | Introduction to Fashion Design and Marketing 8149 |
|---|-------------------------------|-----------------------------------|-----------------------------------|--|------------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|--|--------------------------------|---|--|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | . | | | | . | | . | . | . | . | . | . | . |
| Demonstrate touch-typing skills in computer use. | | | | | | | | | | | | | |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | . | | . | . | . | . | . | . | . |
| Describe how imaging devices may be used with computer systems. | | | | | | | | | | | | | |
| Describe how computers may be connected to form a telecommunication network. | . | | | | | | | | | | | | |
| Analyze and solve simple hardware and software problems. | | | | | | | | | | | | | |
| Identify new and emerging technologies. | | | | | . | | . | . | . | | | | |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | . | . | . | . | . | | . | . | . | . | . | . | . |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | . | | | | . | | . | . | . | . | . | . | . |

| | Make It Your Business 8109 | Fundamentals of Marketing 8110 | Introduction to Marketing 8111 | Principles of Business and Marketing 8115 | Marketing 8120/8121 | Electronic Commerce 8125 | Advanced Marketing 8130/8131 | Marketing Management 8132 | International Marketing 8135 | Advanced International Marketing 8136 | Fashion Marketing 8140/8141 | Advanced Fashion Marketing 8145/8146 | Introduction to Fashion Design and Marketing 8149 |
|---|-------------------------------|-----------------------------------|-----------------------------------|--|------------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|--|--------------------------------|---|--|
| Design and manipulate databases and generate customized reports. | . | | | | . | | . | . | . | . | . | . | |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | . | | | | . | | . | . | . | . | | | . |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | . | | | | . | | . | . | . | . | . | . | |
| Select, evaluate, and use appropriate technology for research and data collection. | . | | | | . | | . | . | . | . | . | . | . |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | . | . | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | . | . | . | . | . | | . | . | . | . | . | . | . |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | | | | | | | | . | | | | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | . | | | | . | | . | . | . | . | . | . | . |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | | | | | | | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | | | | | . | . | . | . | . | . | . | . | . |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | . | | | | . | | . | . | . | . | . | . | |

| | Make It Your Business 8109 | Fundamentals of Marketing 8110 | Introduction to Marketing 8111 | Principles of Business and Marketing 8115 | Marketing 8120/8121 | Electronic Commerce 8125 | Advanced Marketing 8130/8131 | Marketing Management 8132 | International Marketing 8135 | Advanced International Marketing 8136 | Fashion Marketing 8140/8141 | Advanced Fashion Marketing 8145/8146 | Introduction to Fashion Design and Marketing 8149 |
|--|-------------------------------|-----------------------------------|-----------------------------------|--|------------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|--|--------------------------------|---|--|
| Use a wide variety of electronic media and databases to search for and retrieve information. | . | | | | . | | . | . | . | . | . | . | |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | . | . | . | . | . | | . | . | . | . | . | . | |
| Select appropriate technology for communicating information for an intended purpose and audience. | | | | | . | | . | . | . | . | . | . | |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | | | | | . | | . | . | . | . | . | . | |
| Appropriately cite electronic resources in gathering information. | | | | | . | | . | . | . | . | . | . | |
| Apply Copyright and Fair Use Guidelines in reporting information. | | | | | . | | . | . | . | . | . | . | |

TRADE AND INDUSTRIAL EDUCATION

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Courses
June, 2000

| | Advertising Design 8570-8572 | Aircraft Pilot Training 8731, 8732 | Auto Body Technology 8676-8678 | Auto Service Technology 8506-8508 | Aviation Maintenance Technology 8728, 8729 | Building Trades 8515-8517 | Carpentry/Cabinet Making 8518-8520 | Commercial Photography 8607-8609 | Commercial Sewing 8524-8526 | Computer Networking 8542-8545 | Computer Systems Technology 8622-8624 | Cosmetology 8527-8529 | Culinary Arts 8521-8523 | Custodial Services 8590-8592 | Diesel Equipment Technology 8613-8615 | Drafting 8530-8532 | Electricity and Cabling 8533-8535 | Electronics Technology 8536-8538 | Firefighting 8705-8707 | Graphics Imaging 8660-8662 | HV/ACR 8503-8505 | Industrial Coop. Training 8901-8904 | Industrial Maintenance 8575-8577 |
|---|---------------------------------|---------------------------------------|-----------------------------------|--------------------------------------|---|------------------------------|---------------------------------------|-------------------------------------|--------------------------------|----------------------------------|--|--------------------------|----------------------------|---------------------------------|--|-----------------------|--------------------------------------|-------------------------------------|---------------------------|-------------------------------|---------------------|--|-------------------------------------|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | . | | | | | | | | | . | . | | | | | | | | | | | | |
| Demonstrate touch-typing skills in computer use. | . | . | . | . | . | . | . | | | . | . | . | . | | . | . | . | . | | . | . | . | . |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | . | . | . | | | | | | . | . | | | | . | . | | . | | . | . | . | |
| Describe how imaging devices may be used with computer systems. | . | | | | | | | | | | | | | | | | | | | | | | |
| Describe how computers may be connected to form a telecommunication network. | | | | | | | | | | . | . | | | | | | . | . | | | | | |
| Analyze and solve simple hardware and software problems. | | | | | | | | | | . | . | | | | | | | . | | | | | |
| Identify new and emerging technologies. | . | | | | | | | | | . | . | | | | | | | . | | | | | |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | . | | | | | | | | | | | | | | | . | | | | . | | | |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | . | | . | . | | . | . | | | . | . | . | . | | . | . | . | . | | . | . | . | . |

| | Advertising Design 8570-8572 | Aircraft Pilot Training 8731, 8732 | Auto Body Technology 8676-8678 | Auto Service Technology 8506-8508 | Aviation Maintenance Technology 8728, 8729 | Building Trades 8515-8517 | Carpentry/Cabinet Making 8518-8520 | Commercial Photography 8607-8609 | Commercial Sewing 8524-8526 | Computer Networking 8542-8545 | Computer Systems Technology 8622-8624 | Cosmetology 8527-8529 | Culinary Arts 8521-8523 | Custodial Services 8590-8592 | Diesel Equipment Technology 8613-8615 | Drafting 8530-8532 | Electricity and Cabling 8533-8535 | Electronics Technology 8536-8538 | Firefighting 8705-8707 | Graphics Imaging 8660-8662 | HVACR 8503-8505 | Industrial Coop. Training 8901-8904 | Industrial Maintenance 8575-8577 |
|---|---------------------------------|---------------------------------------|-----------------------------------|--------------------------------------|---|------------------------------|---------------------------------------|-------------------------------------|--------------------------------|----------------------------------|--|--------------------------|----------------------------|---------------------------------|--|-----------------------|--------------------------------------|-------------------------------------|---------------------------|-------------------------------|--------------------|--|-------------------------------------|
| Design and manipulate databases and generate customized reports. | . | | . | . | . | . | . | | | . | . | . | . | | . | . | . | . | | . | . | | |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | . | | . | . | | . | . | | | . | . | . | . | | . | . | . | . | | . | . | . | |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | . | | | | | | | | | . | . | | | | | | . | | . | | | | |
| Select, evaluate, and use appropriate technology for research and data collection. | | | | | | | | | | | | | | | | | | | | | | | |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | | | | | | | | | | | | | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | . | | | | | | | | | | | | | | | | | | | | | | |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | . | | | | | | | | | | | | | | | | | | | | | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | . | | | | | | | | | | | | | | | | | | | | | | |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | | | | | | | | | | | | | | | | | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | . | . | . | . | . | . | . | | | . | . | . | . | | . | . | . | . | | . | . | . | |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | . | | . | | | | | | | . | . | | | | | | . | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---------------------------------|---------------------------------------|-----------------------------------|--------------------------------------|---|------------------------------|---------------------------------------|-------------------------------------|--------------------------------|----------------------------------|--|--------------------------|----------------------------|---------------------------------|--|-----------------------|--------------------------------------|-------------------------------------|---------------------------|-------------------------------|--------------------|--|-------------------------------------|
| Use a wide variety of electronic media and databases to search for and retrieve information. | . | Advertising Design 8570-8572 | Aircraft Pilot Training 8731, 8732 | Auto Body Technology 8676-8678 | Auto Service Technology 8506-8508 | Aviation Maintenance Technology 8728, 8729 | Building Trades 8515-8517 | Carpentry/Cabinet Making 8518-8520 | Commercial Photography 8607-8609 | Commercial Sewing 8524-8526 | Computer Networking 8542-8545 | Computer Systems Technology 8622-8624 | Cosmetology 8527-8529 | Culinary Arts 8521-8523 | Custodial Services 8590-8592 | Diesel Equipment Technology 8613-8615 | Drafting 8530-8532 | Electricity and Cabling 8533-8535 | Electronics Technology 8536-8538 | Firefighting 8705-8707 | Graphics Imaging 8660-8662 | HVACR 8503-8505 | Industrial Coop. Training 8901-8904 | Industrial Maintenance 8575-8577 |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | | | | | | | | | | | | | | | | | | | | | | | | |
| Select appropriate technology for communicating information for an intended purpose and audience. | . | | | | | | | | | | | | | | | | | | | | | | | |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | . | | | | | | | | | | | | | | | | | | | | | | | |
| Appropriately cite electronic resources in gathering information. | . | | | | | | | | | . | . | | | | | | | | . | | . | | | |
| Apply Copyright and Fair Use Guidelines in reporting information. | . | | . | . | | . | . | | | . | . | . | . | . | | . | . | . | . | . | . | . | . | |

TRADE AND INDUSTRIAL EDUCATION (CONT.)

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation To Career and Technical Education Courses
June, 2000

| | Law Enforcement 8702-8704 | Masonry 8512-8514 | Plumbing 8551-8553 | Precision Machining 8539-8541 | Public Safety 8700, 8701 | Radio Communications 8640-8642 | Sheet Metal 8663-8665 | Small Engine Repair 8725-8727 | Television Production 8688-8690 | Utility Construction 8616-8618 | Welding 8672-8674 |
|---|------------------------------|----------------------|-----------------------|----------------------------------|-----------------------------|-----------------------------------|--------------------------|----------------------------------|------------------------------------|-----------------------------------|----------------------|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | | | | | | . | | | . | | |
| Demonstrate touch-typing skills in computer use. | . | . | . | . | | . | . | . | . | | . |
| Use terminology related to computers and technology appropriately in written and oral communications. | . | | | . | | . | | | . | | |
| Describe how imaging devices may be used with computer systems. | | | | | | | | . | | | |
| Describe how computers may be connected to form a telecommunication network. | | | | | | | | | | | |
| Analyze and solve simple hardware and software problems. | | | | | | | | | | | |
| Identify new and emerging technologies. | | | | | | | | | | | |
| C/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | | | | | | | | | . | | |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | . | . | . | . | | . | . | . | . | | . |

| | Law Enforcement 8702-8704 | Masonry 8512-8514 | Plumbing 8551-8553 | Precision Machining 8539-8541 | Public Safety 8700, 8701 | Radio Communications 8640-8642 | Sheet Metal 8663-8665 | Small Engine Repair 8725-8727 | Television Production 8688-8690 | Utility Construction 8616-8618 | Welding 8672-8674 |
|---|------------------------------|----------------------|-----------------------|----------------------------------|-----------------------------|-----------------------------------|--------------------------|----------------------------------|------------------------------------|-----------------------------------|----------------------|
| Design and manipulate databases and generate customized reports. | | . | . | . | | . | . | | . | | . |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | . | . | . | . | | . | . | . | . | | . |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | | | | | | . | | | . | | |
| Select, evaluate, and use appropriate technology for research and data collection. | | | | | | | | | | | |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | | | | | | | | | | | |
| C/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | . | | | | | . | | | . | | |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | . | | | | | . | | | . | | |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | . | | | | | . | | | . | | |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | | | | | | . | | | . | | |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | . | . | . | . | | . | . | . | . | | . |
| C/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | . | | | | | | | | | | |

| | Law Enforcement 8702-8704 | Masonry 8512-8514 | Plumbing 8551-8553 | Precision Machining 8539-8541 | Public Safety 8700, 8701 | Radio Communications 8640-8642 | Sheet Metal 8663-8665 | Small Engine Repair 8725-8727 | Television Production 8688-8690 | Utility Construction 8616-8618 | Welding 8672-8674 |
|--|------------------------------|----------------------|-----------------------|----------------------------------|-----------------------------|-----------------------------------|--------------------------|----------------------------------|------------------------------------|-----------------------------------|----------------------|
| Use a wide variety of electronic media and databases to search for and retrieve information. | . | | | | | . | | | . | | |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | . | | | | | | | | | | |
| Select appropriate technology for communicating information for an intended purpose and audience. | | | | | | . | | | . | | |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | . | | | | | . | | | . | | |
| Appropriately cite electronic resources in gathering information. | | | | | | | | | . | | |
| Apply Copyright and Fair Use Guidelines in reporting information. | . | . | . | . | | . | . | . | . | | . |

TECHNOLOGY EDUCATION

COMPUTER/TECHNOLOGY STANDARDS BY THE END OF GRADE 12

Correlation to Career and Technical Courses
June, 2000

| | Technology Foundation | Technology Transfer | Technology Assessment | Introduction to Engineering | Advanced Engineering | Computer Control | Communication Systems | Graphic Communications | Electronics Systems I & II | Power and Transportation | Energy and Power | Production Systems | Materials and Process | Construction Technology | Manufacturing Systems | Advanced Manufacturing | Technical Drawing | Engineering Drawing | Architectural Drawing | Principles of Technology |
|---|-----------------------|---------------------|-----------------------|-----------------------------|----------------------|------------------|-----------------------|------------------------|----------------------------|--------------------------|------------------|--------------------|-----------------------|-------------------------|-----------------------|------------------------|-------------------|---------------------|-----------------------|--------------------------|
| C/T 12.1 The student will demonstrate a basic understanding of fundamental computer operations and concepts. (C/T 8.3) | | | | | | | | | | | | | | | | | | | | |
| Successfully operate a multimedia computer system with related peripheral devices. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Demonstrate touch-typing skills in computer use. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Use terminology related to computers and technology appropriately in written and oral communications. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Describe how imaging devices may be used with computer systems. | • | • | • | • | • | • | • | • | • | | | | | | | | • | • | • | |
| Describe how computers may be connected to form a telecommunication network. | • | • | • | • | • | • | • | | • | | | | | | | | | • | | |
| Analyze and solve simple hardware and software problems. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Identify new and emerging technologies. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| D/T12.2 The student will use application software to accomplish a variety of learning tasks. (C/T 8.1) | | | | | | | | | | | | | | | | | | | | |
| Use advanced features of word processing, desktop publishing, graphics programs, and utilities in learning activities. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Use spreadsheets for analyzing, organizing and displaying numeric data graphically. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

| | Technology Foundations | Technology Transfer | Technology Assessment | Introduction to Engineering | Advanced Engineering | Computer Control | Communication Systems | Graphic Communications | Electronics Systems I & II | Power and Transportation | Energy and Power | Production Systems | Materials and Processes | Construction Technology | Manufacturing Systems | Advanced Manufacturing | Technical Drawing | Engineering Drawing | Architectural Drawing | Principles of Technology |
|---|------------------------|---------------------|-----------------------|-----------------------------|----------------------|------------------|-----------------------|------------------------|----------------------------|--------------------------|------------------|--------------------|-------------------------|-------------------------|-----------------------|------------------------|-------------------|---------------------|-----------------------|--------------------------|
| Design and manipulate databases and generate customized reports. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Use features of applications that integrate word processing, database, spreadsheet, telecommunication, and graphics. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Identify, select, and integrate video and digital images in varying formats for creating multi-media presentations, publications and/or other products. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Select, evaluate, and use appropriate technology for research and data collection. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Apply specific-purpose electronic devices (such as, a graphing calculator, scientific probeware, or multi-function keyboards) in appropriate content areas. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| D/T12.3 The student will skills in the use of telecommunications networks. (C/T 8.2) | | | | | | | | | | | | | | | | | | | | |
| Use local, wide area and worldwide network communication systems to access, analyze, interpret, and synthesize information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Compare and contrast the use of local area networks, wide area networks and worldwide networks. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Access and use telecommunications tools and resources for information sharing, remote information access and retrieval, and multi-media/hypermedia publishing. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Demonstrate an understanding of the concepts of broadcast instruction, audio/video conferencing, and other distance learning applications. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Explain legal, personal safety, network etiquette, and ethical behaviors regarding the use of technology and information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| D/T12.4 The student will demonstrate skill in the selection and use of appropriate technologies to gather, process and analyze data and to report information related to an investigation. (C/T 8.4) | | | | | | | | | | | | | | | | | | | | |
| Design and use a wide range of effective search strategies to acquire information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

| | Technology Foundation | Technology Transfer | Technology Assessment | Introduction to Engineering | Advanced Engineering | Computer Control | Communication Systems | Graphic Communications | Electronics Systems I & II | Power and Transportation | Energy and Power | Production Systems | Materials and Processes | Construction Technology | Manufacturing Systems | Advanced Manufacturing | Technical Drawing | Engineering Drawing | Architectural Drawing | Principles of Technology |
|--|-----------------------|---------------------|-----------------------|-----------------------------|----------------------|------------------|-----------------------|------------------------|----------------------------|--------------------------|------------------|--------------------|-------------------------|-------------------------|-----------------------|------------------------|-------------------|---------------------|-----------------------|--------------------------|
| Use a wide variety of electronic media and databases to search for and retrieve information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Evaluate the usefulness, appropriateness, currency, and reliability of acquired information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Select appropriate technology for communicating information for an intended purpose and audience. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Utilize a variety of media and resources in collaboration with peers, experts, and others to design a learning activity and/or presentation. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Appropriately cite electronic resources in gathering information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Apply Copyright and Fair Use Guidelines in reporting information. | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |