

CCTC Careers II Correlations: Career Groups			
	Student Text	Student Practice Book	Activities and Projects
1. Agriculture, Food & Natural Resources Careers			
1.1. Analyze how issues, trends, technologies and public policies impact systems in Agriculture, Food & Natural Resources careers.	20, 22, 23, 24, 25, 26, 27	20, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6
1.2. Evaluate the nature and scope of Agriculture, Food & Natural Resources careers and the role of agriculture, food and natural resources (AFNR) in society and the economy.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6
1.3. Examine and summarize the importance of health, safety and environmental management systems in AFNR businesses.	13, 14, 27	13, 14, 22, 27	1, 2, 3, 4, 5, 6
1.4. Demonstrate stewardship of natural resources in AFNR activities.	2, 3, 9, 16, 18, 20, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	1, 2, 3, 4, 5, 6
1.5. Describe job opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources careers.	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	1, 2, 3, 4, 5, 6
1.6. Analyze the interaction among AFNR systems in the production, processing and management of food, fiber and fuel and the sustainable use of natural resources.	3, 5, 6, 8, 9, 10, 11, 13, 14, 20, 22, 23, 24, 25, 26, 27	3, 5, 6, 8, 9, 10, 11, 13, 14, 20, 22, 23, 24, 25, 26, 27	1, 2, 3, 4, 5, 6
2. Architecture & Construction Careers			
2.1. Use vocabulary, symbols and formulas common to architecture and construction.	63, 66, 74, 75, 76, 77, 78	63, 66, 74, 75, 76, 77, 78	13, 14, 15, 18
2.2. Use architecture and construction skills to create and manage a project.	86	86	18

2.3. Comply with regulations and applicable codes to establish and manage a legal and safe workplace.	77, 78, 86	77, 78, 86	0
2.4. Evaluate the nature and scope of Architecture & Construction careers and the role of architecture and construction in society and the economy.	33, 64, 66, 74, 75, 76, 77, 78, 86	33, 64, 66, 74, 75, 76, 77, 78, 86	13, 14, 15, 18
2.5. Describe the roles, responsibilities and relationships found in the architecture and construction trades and professions, including labor/management relationships.	64, 66, 74, 75, 76, 77, 78, 86	64, 66, 74, 75, 76, 77, 78, 86	13, 14, 15, 18
2.6. Read, interpret and use technical drawings, documents and specifications to plan a project.	68, 77, 86	77, 86	18
2.7. Describe job opportunities and means to achieve those opportunities in each of the Architecture & Construction careers.	64, 66, 74, 75, 76, 77, 78, 86	64, 66, 74, 75, 76, 77, 78, 86	13, 14, 15, 18
3. Arts, A/V Technology & Communications Careers			
3.1. Analyze the interdependence of the technical and artistic elements of various Arts, A/V Technology & Communications careers.	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59	31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57	8, 9, 10, 11, 12
3.2. Analyze the importance of health, safety and environmental management systems, policies and procedures common in arts, audio/video technology and communications activities and facilities.	58	58	8, 9, 10, 11, 12
3.3. Analyze the lifestyle implications and physical demands required in the arts, audio/visual technology and communications workplace.	36, 37, 39, 43, 44, 58	36, 37, 39, 43, 44, 58	8, 9, 10, 11, 12

3.4. Analyze the legal and ethical responsibilities required in the arts, audio/visual technology and communications workplace.	40, 48, 49, 50, 51, 52, 58	40, 48, 49, 50, 51, 52, 58	8, 9, 10, 11, 12
3.5. Describe job opportunities and means to achieve those opportunities in each of the Arts, A/V Technology and Communications careers.	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57	8, 9, 10, 11, 12
3.6. Evaluate technological advancements and tools that are essential to occupations in Arts, A/V Technology & Communications careers.	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59	33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57	8, 9, 10, 11, 12
4. Business Management & Administration Careers			
4.1. Utilize mathematical concepts, skills and problem solving to obtain necessary information for decision making in business.	177, 178, 179, 180, 181	177, 178, 179, 180, 181	31, 32, 33, 34, 35, 36
4.2. Describe laws, rules and regulations as they apply to effective business operations.	78, 177, 182	78, 182	36
4.3. Explore, develop and apply strategies for ensuring a successful business career.	82, 157, 159, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183	157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183	31, 32, 33, 34, 35, 36
4.4. Identify, demonstrate and implement solutions in managing effective business customer relationships.	162, 163, 164, 165, 166, 167, 168, 169, 170, 172, 173, 178, 179, 180, 181, 182, 183	162, 163, 164, 165, 166, 167, 168, 169, 170, 172, 173, 178, 179, 180, 181, 182, 183	31, 32, 33, 34, 35, 36
4.5. Implement systems, strategies and techniques used to manage information in a business.	157, 159, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182	157, 159, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182	31, 32, 33, 34, 35, 36

4.6. Implement, monitor and evaluate business processes to ensure efficiency and quality results.	157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183	157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183	31, 32, 33, 34, 35, 36
5. Education & Training Careers			
5.1. Apply communication skills with students, parents and other groups to enhance learning and a commitment to learning.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.2. Demonstrate effective oral, written and multimedia communication in multiple formats and contexts.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.3. Use critical thinking to process educational communications, perspectives, policies and/or procedures.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.4. Evaluate and manage risks to safety, health and the environment in education and training settings.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.5. Demonstrate group collaboration skills to enhance professional education and training practice.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.6. Analyze ethical and legal policies of professional education and training practice.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.7. Explain legal rights that apply to individuals and practitioners within education and training settings.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30
5.8. Demonstrate ethical and legal behavior within and outside of education and training settings.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27, 30

5.9. Describe state-specific professional development requirements to maintain employment and to advance in an education and training career.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27
5.10. Apply organizational skills and logic to enhance professional education and training practice.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27
5.11. Demonstrate group management skills that enhance professional education and training practice.	132, 136, 137, 138, 139, 140, 151	132, 136, 137, 138, 139, 140, 151	27
6. Finance Careers			
6.1. Utilize mathematical concepts, skills and problem solving to obtain necessary information for decision making in the finance industry.	161, 177, 178, 179, 180, 181, 182	0	35
6.2. Utilize tools, strategies and systems to plan, monitor, manage and maintain the use of financial resources.	161, 177, 178, 179, 180, 181, 182	0	27, 30
6.3. Plan, staff, lead and organize human resources in finance to enhance employee productivity and job satisfaction.	89, 120, 151, 161, 177, 178, 179, 180, 181, 182	89, 120, 151, 161, 177, 178, 179, 180, 181, 182	35
6.4. Determine effective tools, techniques and systems to communicate and deliver value to finance customers.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.5. Create and maintain positive, ongoing relationships with finance customers.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.6. Plan, monitor and manage day-to-day activities to ensure effective and efficient finance operations.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35

6.7. Implement safety, health and environmental controls to ensure a safe and productive finance workplace.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	36
6.8. Describe and follow laws, regulations and ethical standards that affect finance operations and transactions.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	36
6.9. Plan, manage and maintain the use of financial resources to protect solvency.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	27
6.10. Plan, organize and manage a finance organization/department.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.11. Plan, monitor and manage day-to-day activities required to sustain continued business functioning.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.12. Access, evaluate and disseminate financial information to enhance financial decision-making processes.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.13. Manage a financial product or service mix in order to respond to market opportunities.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	35
6.14. Employ financial risk management strategies and techniques used to minimize business loss.	161, 177, 178, 179, 180, 181, 182	161, 177, 178, 179, 180, 181, 182	0
7. Government & Public Administration Careers			
7.1. Explain the purpose and functions of government and public administration and the application of democratic principles in the process of governmental and administrative policymaking.	126, 130, 146, 147, 148, 149, 150, 151	126, 130, 146, 147, 148, 149, 150, 151	29, 30

7.2. Analyze the systemic relationships of government and public administration agencies.	126, 130, 146, 147, 148, 149, 150, 151	126, 130, 146, 147, 148, 149, 150, 151	29, 30
7.3. Describe health, safety and environmental management systems, as well as policies and procedures, in government and public administration agencies.	13, 126, 130, 133, 146, 147, 148, 149, 150, 151	13, 126, 130, 133, 146, 147, 148, 149, 150, 151	29, 30
7.4. Describe the implementation of plans and policies to respond to public health, safety and environmental needs in government and public administration agencies.	126, 130, 146, 147, 148, 149, 150, 151	126, 130, 146, 147, 148, 149, 150, 151	29, 30
7.5. Describe job opportunities and the means to achieve those opportunities in each of the Government & Public Administration careers.	126, 130, 146, 147, 148, 149, 150, 151	126, 130, 146, 147, 148, 149, 150, 151	29, 30
7.6. Explain the administration of human, financial, material and information resources in government and public administration agencies.	126, 130, 146, 147, 148, 149, 150, 151	126, 130, 146, 147, 148, 149, 150, 151	29, 30
8. Health Science Careers			
8.1. Determine academic subject matter, in addition to high school graduation requirements, necessary for pursuing a health science career.	95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	19, 20, 21, 22, 23, 24
8.2. Explain the healthcare worker's role within their department, their organization, and the overall healthcare system.	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	19, 20, 21, 22, 23, 24
8.3. Identify existing and potential hazards to clients, coworkers, visitors and self in the healthcare workplace.	105, 106, 107, 108, 109, 110, 120	105, 106, 107, 108, 109, 110	21, 22

8.4. Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	19, 20, 21, 22, 23, 24
8.5. Analyze the legal and ethical responsibilities, limitations and implications of actions within the healthcare workplace.	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	19, 20, 21, 22, 23, 24
8.6. Evaluate accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare workplace.	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	95, 96, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120	19, 20, 21, 22, 23, 24
9. Hospitality & Tourism Careers			
9.1. Describe the key components of marketing and promoting hospitality and tourism products and services.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36
9.2. Evaluate the nature and scope of Hospitality & Tourism careers and the role of hospitality and tourism in society and the economy.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36
9.3. Demonstrate hospitality and tourism customer service skills that meet customers' needs.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36
9.4. Describe employee rights and responsibilities and employers' obligations concerning occupational health and safety in the hospitality and tourism workplace.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36

9.5. Identify potential, real and perceived hazards and emergency situations and determine the appropriate safety and security measures in the hospitality and tourism workplace.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36
9.6. Describe job opportunities and means to attain those opportunities in each Hospitality & Tourism career.	160, 172, 173, 174, 175, 176, 182	160, 172, 173, 174, 175, 176, 182	34, 36
10. Human Services Careers			
10.1. Evaluate principles of planning, development, implementation and evaluation to accomplish long-range goals in the human services.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30
10.2. Evaluate the role of the family, community and human services in society and the economy.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30
10.3. Use effective communication with human services clients and their families.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30
10.4. Demonstrate ethical and legal conduct in human services settings.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30
10.5. Evaluate career opportunities in each Human Services career.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30
10.6. Explain how human development principles enhance well-being of individuals and families.	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	2, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	25, 26, 30

11. Information Technology Careers			
11.1. Demonstrate effective professional communication skills and practices that enable positive customer relationships.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.2. Use product or service design processes and guidelines to produce a quality information technology (IT) product or service.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.3. Demonstrate the use of cross-functional teams in achieving IT project goals.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.4. Demonstrate positive cyber citizenry by applying industry-accepted ethical practices and behaviors.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.5. Explain the implications of IT on business development.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.6. Describe trends in emerging and evolving computer technologies and their influence on IT practices.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.7. Perform standard computer backup and restore procedures to protect IT information.	41	41	8, 12
11.8. Recognize and analyze potential IT security threats to develop and maintain security requirements.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.9. Describe quality assurance practices and methods employed in producing and providing quality IT products and services.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12

11.10. Describe the use of computer forensics to prevent and solve information technology crimes and security breaches.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.11. Demonstrate knowledge of the hardware components associated with information systems.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
11.12. Compare key functions and applications of software and determine maintenance strategies for computer systems.	33, 34, 38, 39, 40, 41, 42	33, 34, 38, 39, 40, 41, 42	8, 12
12. Law, Public Safety, Corrections & Security Careers			
12.1. Analyze the nature and scope of Law, Public Safety, Corrections & Security careers and the role law, public safety, corrections, and security play in society and the economy.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30
12.2. Formulate ideas, proposals and solutions to ensure effective and efficient delivery of law, public safety, corrections and/or security services.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30
12.3. Assess and implement measures to maintain safe and healthy working conditions in a law, public safety, corrections and/or security environment.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30
12.4. Conduct law, public safety, corrections and security work tasks in accordance with employee and employer rights, obligations and responsibilities, including occupational safety and health requirements.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30

12.5. Analyze the various laws, ordinances, regulations and organizational rules that apply to careers in law, public safety, corrections and security.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30
12.6. Describe various job opportunities and means to attain those opportunities in each Law, Public Safety, Corrections and Security career.	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151	126, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150	28, 30
13. Manufacturing Careers			
13.1. Evaluate the nature and scope of Manufacturing careers and the role of manufacturing in society and in the economy.	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87	13, 14, 15, 16, 17, 18
13.2. Analyze and summarize how manufacturing businesses improve performance.	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87	13, 14, 15, 16, 17, 18
13.3. Comply with federal, state and local regulations to ensure worker safety and health and environmental work practices.	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87	13, 14, 15, 16, 17, 18
13.4. Describe job opportunities and means to achieve those opportunities in each Manufacturing career.	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	13, 14, 15, 16, 17, 18
13.5. Describe government policies and industry standards that apply to manufacturing.	13, 133	13	13, 14, 15, 16, 17, 18
13.6. Demonstrate workplace knowledge and skills common to manufacturing.	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	64, 65, 67, 69, 72, 80, 81, 82, 83, 84, 85, 86, 87, 89	13, 14, 15, 16, 17, 18
14. Marketing Careers			

14.1. Describe the impact of economics, economics systems and entrepreneurship on marketing.	157	157	32, 33, 36
14.2. Implement marketing research to obtain and evaluate information for the creation of a marketing plan.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.3. Plan, monitor, manage and maintain the use of financial resources for marketing activities.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.4. Plan, monitor and manage the day-to-day activities required for continued marketing business operations.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.5. Describe job opportunities and the means to achieve those opportunities in each Marketing career.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.6. Select, monitor and manage sales and distribution channels.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.7. Determine and adjust prices to maximize return while maintaining customer perception of value.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.8. Obtain, develop, maintain and improve a product or service mix in response to market opportunities.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.9. Communicate information about products, services, images and/or ideas to achieve a desired outcome.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36
14.10. Use marketing strategies and processes to determine and meet client needs and wants.	157, 158, 162, 163, 164, 165, 166, 182	157, 158, 162, 163, 164, 165, 166, 182	32, 33, 36

15. Science, Technology, Engineering & Mathematics Careers			
15.1. Apply engineering skills in a project that requires project management, process control and quality assurance.	28, 59, 68, 84, 85, 86, 87, 88, 89	28, 59, 68, 84, 85, 86, 87, 88	17, 18
15.2. Use technology to acquire, manipulate, analyze and report data.	28, 59, 68, 84, 85, 86, 87, 88, 89	28, 59, 68, 84, 85, 86, 87, 88	17, 18
15.3. Describe and follow safety, health and environmental standards related to science, technology, engineering and mathematics (STEM) workplaces.	13, 133	13, 133	17, 18
15.4. Understand the nature and scope of Science, Technology, Engineering and Mathematics careers and the role of STEM in society and the economy.	28, 59, 68, 84, 85, 86, 87, 88, 89	28, 59, 68, 84, 85, 86, 87, 88	17, 18
15.5. Demonstrate an understanding of the breadth of job opportunities and means to those opportunities in each Science, Technology, Engineering and Mathematics career.	28, 59, 68, 84, 85, 86, 87, 88, 89	28, 59, 68, 84, 85, 86, 87, 88	17, 18
15.6. Demonstrate technical skills needed in a chosen STEM field.	28, 59, 68, 84, 85, 86, 87, 88, 89	28, 59, 68, 84, 85, 86, 87, 88	17, 18
16. Transportation, Distribution & Logistics Careers			
16.1. Describe the nature and scope of Transportation, Distribution & Logistics careers and the role of transportation, distribution and logistics in society and the economy.	65, 69, 70, 71, 72, 73, 89	65, 69, 70, 71, 72, 73	13, 14, 18

16.2. Describe the application and use of new and emerging advanced techniques to provide solutions for transportation, distribution and logistics problems.	65, 69, 70, 71, 72, 73, 89	65, 69, 70, 71, 72, 73	13, 14, 18
16.3. Describe the key operational activities required of successful transportation, distribution and logistics facilities.	65, 69, 70, 71, 72, 73, 89	65, 69, 70, 71, 72, 73	13, 14, 18
16.4. Identify governmental policies and procedures for transportation, distribution and logisitcs facilities.	70	70	13, 14, 18
16.5. Describe transportation, distribution and logistics employee rights and responsibilities and employers' obligations concerning occupational safety and health.	65, 69, 70, 71, 72, 73, 89	65, 69, 70, 71, 72, 73	13, 14, 18
16.6. Describe job opportunities and means to achieve those opportunities in each Transportation, Distribution & Logistics career.	65, 69, 70, 71, 72, 73, 89	65, 69, 70, 71, 72, 73	13, 14, 18