New York CTE

Career Development and Occupational Studies (2021): Grades 9, 10, 11, 12

Adopted 2021

Career Development	1. **Students will be knowledgeable about the world of work, explore career options,and relate personal skills, aptitudes, and abilities to future career decisions.** CD.1

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1. Students will learn about the changing nature of the workplace, the value of work to society, and the connection of work to the achievement of personal goals. CD.1.1
    1. begin a career plan that would assist in the transition from school to eventual entry into a career option CDE.1.1
    2. demonstrate an awareness of their interests, aptitudes, and abilities CDE.1.2
    3. know the value of work to the individual and society in general CDE.1.3
    4. describe the changing nature of the workplace brought about by global competition and technology CDE.1.4
    5. explore their preferences for working with people, information, and/or things CDE.1.5
    6. demonstrate understanding of the relationship of decision making to the attainment of future goals CDE.1.6
    7. describe the changing roles of men and women at home and in the workplace. CDE.1.7
    1. continue development of a career plan that would assist in the transition from school to eventual entry into a career option of their choosing CDI.1.1
    2. demonstrate an understanding of the relationship among personal interests, skills and abilities, and career research CDI.1.2
    3. understand the relationship of personal interests, skills, and abilities to successful employment CDI.1.3
    4. demonstrate an understanding of the relationship between the changing nature of work and educational requirements CDI.1.4
    5. understand the relationship of personal choices to future career decisions. CDI.1.5
    1. complete the development of a career plan that would permit eventual entry into a career option of their choosing CDC.1.1
    2. apply decision-making skills in the selection of a career option of strong personal interest CDC.1.2
    3. analyze skills and abilities required in a career option and relate them to their own skills and abilities. CDC.1.3

Integrated Learning

2. **Students will demonstrate how academic knowledge and skills are applied in the workplace and other settings.** CD.2

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1. Students use essential academic concepts, facts, and procedures in applications related to life skills and the world of work. This approach allows students to see the usefulness of the concepts that they are being asked to learn and to understand their potential application in the world of work. CD.2.1
    1. identify academic knowledge and skills that are required in specific occupations CDE.2.1
    2. demonstrate the difference between the knowledge of a skill and the ability to use the skill CDE.2.2
    3. solve problems that call for applying academic knowledge and skills. CDE.2.3
2. Integrated learning encourages students to use essential academic concepts, facts, and procedures in applications related to life skills and the world of work. This approach allows students to see the usefulness of the concepts that they are being asked to learn and to understand their potential application in the world of work. CDI.2
    1. apply academic knowledge and skills using an interdisciplinary approach to demonstrate the relevance of how these skills are applied in work-related situations in local, state, national, and international communities CDI.2.1
    2. solve problems that call for applying academic knowledge and skills CDI.2.2
    3. use academic knowledge and skills in an occupational context, and demonstrate the application of these skills by using a variety of communication techniques (e.g., sign language, pictures, videos, reports, and technology). CDI.2.3
    1. demonstrate the integration and application of academic and occupational skills in their school learning, work, and personal lives. CDC.2.1
    2. use academic knowledge and skills in an occupational context, and demonstrate the application of these skills by using a variety of communication techniques (e.g., sign language, pictures, videos, reports, and technology) CDC.2.2
    3. research, interpret, analyze, and evaluate information and experiences as related to academic knowledge and technical skills when completing a career plan. CDC.2.3

Universal Foundation Skills

3a. **Students will demonstrate mastery of the foundation skills and competencies essential for success in the workplace.** CD.3A

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Basic Skills

1. Basic skills include the ability to read, write, listen, and speak as well as perform arithmetical and mathematical functions. CD.3A.1

    1. listen to and read the ideas of others and express themselves both orally and in writing; they use basic mathematical concepts and computations to solve problems. CDE.3A.1

    1. listen to and read the ideas of others and analyze what they hear and read; acquire and use information from a variety of sources; and apply a combination of mathematical operations to solve problems in oral or written form. CDI.3A.1

    1. use a combination of techniques to read or listen to complex information and analyze what they hear or read; convey information confidently and coherently in written or oral form; and analyze and solve mathematical problems requiring use of multiple computational skills. CDC.3A.1

Thinking Skills

2. Thinking skills lead to problem solving, experimenting, and focused observation and allow the application of knowledge to new and unfamiliar situations. CD.3A.2

    2. use ideas and information to make decisions and solve problems related to accomplishing a task. CDE.3A.2

    2. evaluate facts, solve advanced problems, and make decisions by applying logic and reasoning skills. CDI.3A.2

    2. demonstrate the ability to organize and process information and apply skills in new ways. CDC.3A.2

Personal Qualities

3. Personal qualities generally include competence in self-management and the ability to plan, organize, and take independent action. CD.3A.3

    3. demonstrate the personal qualities that lead to responsible behavior. CDE.3A.3

    3. demonstrate an understanding of the relationship between individuals and society and interact with others in a positive manner. CDI.3A.3

    3. demonstrate leadership skills in setting goals, monitoring progress, and improving their performance. CDC.3A.3

Interpersonal Skills

4. Positive interpersonal qualities lead to teamwork and cooperation in large and small groups in family, social, and work situations. CD.3A.4

    4. relate to people of different ages and from diverse backgrounds. CDE.3A.4

    4. demonstrate the ability to work with others, present facts that support arguments, listen to dissenting points of view, and reach a shared decision. CDI.3A.4

    4. communicate effectively and help others to learn a new skill. CDC.3A.4

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Technology

5. Technology is the process and product of human skill and ingenuity in designing and creating things from available resources to satisfy personal and societal needs and wants. CD.3A.5

    1. demonstrate an awareness of the different types of technology available to them and of how technology affects society. CDE.3A.5.1

    1. select and use appropriate technology to complete a task. CDI.3A.5.1

    1. apply their knowledge of technology to identify and solve problems. CDC.3A.5.1

Managing Information

6. Information management focuses on the ability to access and use information obtained from other people, community resources, and computer networks. CD.3A.6

    6. describe the need for data and obtain data to make decisions. CDE.3A.6

    6. select and communicate information in an appropriate format (e.g., oral, written, graphic, pictorial, multimedia). CDI.3A.6

    6. use technology to acquire, organize, and communicate information by entering, modifying, retrieving, and storing data. CDC.3A.6

Managing Resources

7. Using resources includes the application of financial and human factors, and the elements of time and materials to successfully carry out a planned activity. CD.3A.7

    7. demonstrate an awareness of the knowledge, skills, abilities, and resources needed to complete a task. CDE.3A.7

    7. understand the material, human, and financial resources needed to accomplish tasks and activities. CDI.3A.7

    7. allocate resources to complete a task. CDC.3A.7

Systems

8. Systems skills include the understanding of and ability to work within natural and constructed systems. CD.3A.8

    8. demonstrate understanding of how a system operates and identify where to obtain information and resources within the system. CDE.3A.8

    8. understand the process of evaluating and modifying systems within an organization. CDI.3A.8

    8. demonstrate an understanding of how systems performance relates to the goals, resources, and functions of an organization. CDC.3A.8

Career Majors

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3b. Students who choose a career major will acquire the career-specific technical knowledge/skills necessary to progress toward gainful employment, career advancement, and success in postsecondary programs. CD.3B

Business/Information Systems

1. demonstrate an understanding of business, marketing, and multinational economic concepts, perform business-related mathematical computations, and analyze/interpret business-related numerical information. CD.3B.1
2. select, apply, and troubleshoot hardware and software used in the processing of business transactions. CD.3B.2
3. prepare, maintain, interpret/analyze, and transmit/ distribute information in a variety of formats while demonstrating the oral, nonverbal, and written communication skills essential for working in today's international service-/information-/technological-based economy. CD.3B.3
4. demonstrate an understanding of the interrelatedness of business, social, and economic systems/subsystems. CD.3B.4
5. identify, organize, plan, and allocate resources (e.g., financial, materials/facilities, human, time) in demonstrating the ability to manage their lives as learners, contributing family members, globally competitive workers, and self-sufficient individuals. CD.3B.5
6. exhibit interpersonal skills essential for success in the multinational business world, demonstrate basic leadership abilities/skills, and function effectively as members of a work group or team. CD.3B.6

Health Services

1. apply knowledge/skills acquired in academic subjects to the health care environment. CDH.3B.1
2. understand the current health care system and its impact on health careers. CDH.3B.2
3. develop knowledge of the concept of optimal health and identify factors that affect health maintenance. CDH.3B.3
4. know the importance of performing their role in the health care system in accordance with laws, regulations, policies, ethics, and the rights of clients. CDH.3B.4
5. identify safety hazards in a health care setting and prevent illness or injury through safe work practices. CDH.3B.5
6. communicate information in a variety of formats and media. CDH.3B.6
7. interact effectively and sensitively with all other members of the health care team in order to provide high-quality client care. CDH.3B.7
8. identify procedures within their scope of practice and job description and perform them accurately and in a timely fashion. CDH.3B.8

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Engineering/Technologies

1. develop practical understanding of engineering technology through reading, writing, sample problem solving, and employment experiences. CDT.3B.1
2. demonstrate how all types of engineering/technical organizations, equipment (hardware/software), and well-trained human resources assist and expedite the production/distribution of goods and services. CDT.3B.2
3. demonstrate knowledge of planning, product development and utilization, and evaluation that meets the needs of industry CDT.3B.3

Human and Public Services

1. demonstrate professional, ethical, and legal responsibilities toward customers. CDP.3B.1
2. demonstrate effective communication skills needed to meet the expectations of human and public services consumers. CDP.3B.2
3. demonstrate a knowledge of the principles of sanitation used to prevent the transmission of disease-producing microorganisms from one person/object to another. CDP.3B.3
4. understand the process of human growth and development and its influence on client needs. CDP.3B.4
5. demonstrate how to interact effectively and sensitively with others. CDP.3B.5
6. provide safe environments for others. CDP.3B.6
7. solve problems, set goals, and make decisions in order to provide services to best meet the needs of others. CDP.3B.7
8. apply personal and resource management skills. CDP.3B.8
9. exhibit and promote a positive image of wellness. CDP.3B.9

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Natural and Agricultural Sciences

1. demonstrate a solid base of knowledge and skills in natural and agricultural sciences. CDN.3B.1
2. demonstrate the ability to use technology to assist in production and distribution of food goods and services of today's agricultural industries. CDN.3B.2
3. prepare, maintain, interpret, and disseminate quantitative and qualitative pieces of information relating to the natural and agricultural sciences. CDN.3B.3
4. demonstrate an understanding of the interrelationship between agricultural businesses and organizations designed to produce products, services, and information. CDN.3B.4
5. demonstrate the ability to manage personal time, business, and financial resources. CDN.3B.5
6. demonstrate the interpersonal skills and abilities needed to function within a sophisticated and sometimes complicated agricultural environment. CDN.3B.6
7. demonstrate awareness of the importance of safety and accident prevention in all agricultural situations. CDN.3B.7

Arts/Humanities

1. demonstrate a solid base of knowledge/skills in one or more of the disciplines and the related professions of visual art, dance, music, theater, and humanities. CDA.3B.1
2. demonstrate the reading, writing, listening, speaking, graphic and multimedia skills necessary to participate effectively in one or more of the arts/humanities professions. CDA.3B.2
3. demonstrate the ability to express informed judgments about the arts/humanities and related professions. CDA.3B.3
4. demonstrate the skills necessary to function and interact effectively in a variety of settings within the arts/humanities. CDA.3B.4
5. demonstrate a repertoire of experience when presenting an exhibition, performance, portfolio, or publication. CDA.3B.5
6. create an ongoing portfolio that demonstrates the competencies and creative processes delineated in the preceding key ideas. CDA.3B.6