Ohio CTE

Family and Consumer Sciences (2020): Grades 9, 10, 11, 12

Adopted 2020

Career Development

1. **Develop skills in professionalism, leadership and communication, as applied to career planning and entrepreneurship, to succeed in educational and professional settings.** S.1
    1. Develop personal and professional skills to transition through life. 1.1
        1. Identify the knowledge, skills and abilities necessary to succeed. 1.1.1
        2. Describe the role and function of professional and community organizations, industry associations and organized labor. 1.1.2
        3. Develop a networking plan to build and maintain professional relationships. 1.1.3
        4. Explain the importance of work ethic, accountability and responsibility and demonstrate associated behaviors in fulfilling personal, community and workplace roles. 1.1.4
        5. Apply problem-solving and critical-thinking skills to issues when making decisions and formulating solutions. 1.1.5
        6. Identify the correlation between emotions, behavior and appearance and manage those to establish and maintain professionalism. 1.1.6
        7. Give and receive constructive feedback to improve personal and professional habits. 1.1.7
        8. Adapt personal coping skills to adjust to life and workplace demands. 1.1.8
        9. Recognize different cultural beliefs and practices and demonstrate respect for them. 1.1.9

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2. Explore career opportunities that reflect personal interests, strengths, values, personalities, skills and abilities. 1.2
    1. Develop a personal career inventory. 1.2.1
    2. Identify career pathways related to interests and talents. 1.2.2
    3. Research career opportunities and occupational trend projections. 1.2.3
    4. Develop a career plan. 1.2.4
    5. Determine the education, training, certification, licensure and experience requirements for selected careers. 1.2.5
    6. Set educational and volunteer goals that support progress toward meeting career goals. 1.2.6
    7. Develop strategies for self-promotion. 1.2.7
    8. Write professional correspondence, job applications and resumés. 1.2.8
3. Develop leadership, team-building and communication skills to promote collaboration. 1.3
    1. Extract relevant, valid information from materials and cite sources of information. 1.3.1
    2. Deliver and critique formal and informal presentations. 1.3.2
    3. Identify and use verbal, nonverbal and active listening skills to communicate effectively. 1.3.3
    4. Use negotiation and conflict-resolution skills to reach solutions. 1.3.4
    5. Communicate information for an intended audience and purpose. 1.3.5
    6. Use proper grammar and expression in all aspects of communication. 1.3.6
    7. Use consensus-building techniques to draw conclusions and determine next steps. 1.3.7
    8. Compare the strengths, weaknesses and characteristics of leadership styles that influence personal versus professional relationships. 1.3.8
    9. Identify advantages and disadvantages involving digital and/or electronic communications. 1.3.9
    10. Use interpersonal skills to provide group leadership, promote collaboration and work in a team. 1.3.10
    11. Use technical writing skills to complete forms and create reports. 1.3.11
    12. Use motivational strategies to accomplish goals. 1.3.12

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4. Demonstrate current and emerging strategies and technologies used to collect, analyze, record and share information in personal and professional settings. 1.4
    1. Use home office equipment to communicate. 1.4.1
    2. Select and use software applications to locate, record, analyze and present information. 1.4.2
    3. Use system hardware to support software applications. 1.4.3
    4. Apply safety and security rules and regulations (e.g., parental controls, identity protection, password protection, Health Insurance Portability and Accountability Act [HIPAA], custodial rights). 1.4.4
    5. Use information technology tools to maintain, secure and monitor records. 1.4.5
    6. Use personal organization management and productivity applications to optimize assigned tasks. 1.4.6
    7. Use electronic media to communicate, following online etiquette guidelines. 1.4.7
5. Evaluate how beliefs, values, attitudes and behaviors influence personal and professional goals. 1.5
    1. Describe the interdependence of cultural understanding and cultural intelligence skills. 1.5.1
    2. Describe how cultural intelligence skills influence the overall success and survival of a community. 1.5.2
    3. Use continual awareness to interact and exchange ideas with individuals from diverse cultural settings. 1.5.3
    4. Recognize barriers in cross-cultural relationships and implement behavioral adjustments. 1.5.4
    5. Recognize the ways in which bias, stereotypes and discrimination may influence self-worth and group dynamics. 1.5.5
    6. Analyze tasks for understanding and interpretation from a different cultural perspective. 1.5.6
    7. Identify how multicultural teaming and globalization can foster recognition of new opportunities. 1.5.7
    8. Compare multigenerational characteristics. 1.5.8

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6. Develop skills and knowledge to transition a strength into a business. 1.6
    1. Create a list of strengths, values, skills and abilities needed to be successful as an entrepreneur. 1.6.1
    2. Identify business opportunities and develop a plan to produce a competitive product or service. 1.6.2
    3. Explain the role of profit as an incentive to become an entrepreneur. 1.6.3
    4. Identify the factors that contribute to the success and failure of entrepreneurial ventures. 1.6.4
    5. Assess the roles of nonprofit and for-profit businesses. 1.6.5
    6. Explain pathways used to become an entrepreneur. 1.6.6
    7. Identify resources available to entrepreneurs (e.g., Small Business Administration, mentors, information resources, educational opportunities). 1.6.7
    8. Follow compliance regulations for intellectual property and knowledge (e.g., copyright, patent, trademark, trade secrets). 1.6.8
    9. Propose alternatives when entrepreneurial goals are not achieved. 1.6.9

Family Development

2. **Develop personal attributes that contribute to healthy families, community involvement and workplace productivity.** S.2
    1. Examine the effects of family units on individuals and society. 2.1
        1. Identify the structure of family units and the impact on society. 2.1.1
        2. Evaluate the effects of change on family units at each life cycle stage. 2.1.2
        3. Explain the importance of cultural traditions in a family unit. 2.1.3
        4. Evaluate how a family unit builds the independence, interdependence and commitment of its members. 2.1.4
        5. Analyze the impact of factors that influence individual growth and family development. 2.1.5

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2. Evaluate parenting roles and responsibilities at each developmental stage and within different cultures. 2.2
    1. Differentiate among the parenting roles of support, nurturance and guidance. 2.2.1
    2. Explain how parents provide for a child's basic needs, health and safety. 2.2.2
    3. Identify parenting strategies to accommodate children's personalities and special needs. 2.2.3
    4. Compare theories of how to develop a child's morals, values and self-esteem. 2.2.4
    5. Explain how to develop mutual respect between a parent and child. 2.2.5
    6. Compare the effects of parental involvement on a child's education. 2.2.6
    7. Compare the benefits and consequences of different discipline practices. 2.2.7
    8. Describe the role of available services (e.g., Department of Job and Family Services, community education classes) in supporting parenting roles and responsibilities. 2.2.8
3. Analyze the parenting styles needed to assume parenting roles and responsibilities. 2.3
    1. Compare the types of parenting styles and the impact they have on child growth and development. 2.3.1
    2. Describe the impacts of emotional, intellectual and physical nurturing on human growth and development. 2.3.2
    3. Evaluate impacts of abuse and neglect based on signs and symptoms. 2.3.3
    4. Determine methods and resources needed to address signs of abuse or neglect. 2.3.4
    5. Explain the positive and negative impacts technology has on family relationships. 2.3.5
    6. Identify a parenting style that reflects personal strengths, beliefs and values. 2.3.6

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4. Analyze prenatal healthcare needs and the effects on family planning. 2.4
    1. Identify alternate methods of becoming a parent (e.g., adoption, artificial insemination, surrogacy). 2.4.1
    2. Identify signs, symptoms and stages of pregnancy. 2.4.2
    3. Explain physical and psychological characteristics of pre-pregnancy mothers and fathers that contribute to a healthy birth. 2.4.3
    4. Discuss the father's role in prenatal care. 2.4.4
    5. Summarize the stages of fetal development. 2.4.5
    6. Determine how to meet the nutritional requirements for a healthy mother and baby based on prenatal conditions. 2.4.6
    7. Identify the medical procedures conducted during prenatal care. 2.4.7
    8. Describe the effects of adverse medical and environmental prenatal conditions on a healthy delivery. 2.4.8
5. Examine birth and postpartum care. 2.5
    1. Discuss the advantages of participating in childbirth preparation classes. 2.5.1
    2. Explain the stages of labor and methods of delivery. 2.5.2
    3. Describe the signs of preterm labor and consequences of preterm delivery. 2.5.3
    4. Identify medical procedures conducted during labor and delivery. 2.5.4
    5. Identify common fears and misconceptions about labor and delivery. 2.5.5
    6. Explain the importance of a postpartum health examination. 2.5.6
    7. Describe the physical changes of the mother following delivery. 2.5.7
    8. Describe the initial post-delivery care provided to newborns and mothers. 2.5.8
    9. Explain emotional responses and warning signs of depression during the postpartum period. 2.5.9
    10. Explain the role of a support network in postpartum care. 2.5.10

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6. Analyze the developmental needs of an infant and provide care. 2.6
    1. Develop a schedule to meet an infant's nutritional and physical needs. 2.6.1
    2. Compare infant feeding options. 2.6.2
    3. Demonstrate safe infant care techniques. 2.6.3
    4. Describe diet- and sleep-related illnesses and soothing techniques. 2.6.4
    5. Identify community infant care support resources (e.g., Women, Infants and Children [WIC]; health department; children's services). 2.6.5
    6. Identify an infant's characteristics and behaviors. 2.6.6
    7. Describe how to respond to abnormalities in an infant. 2.6.7
    8. Explain the importance of bonding with an infant. 2.6.8
    9. Examine the role and responsibility of fathers in infant care. 2.6.9
7. Promote child growth and development across the lifespan. 2.7
    1. Explain research findings on current and emerging trends in human growth and development. 2.7.1
    2. Compare the characteristics and milestones of each developmental stage. 2.7.2
    3. Assess a child's abilities at each developmental stage based on developmental milestones. 2.7.3
    4. Determine a child's learning styles and the teaching strategies needed to support the child's intellectual development. 2.7.4
    5. Promote a child's self-development through the use of parenting strategies and techniques. 2.7.5
    6. Compare the effects of cultural, socioeconomic and environmental contributions on a child's intellectual growth and development. 2.7.6
    7. Compare peer influences experienced at various developmental stages. 2.7.7
    8. Identify interventions, resources and support systems that enhance growth and development. 2.7.8
    9. Identify learned and innate behaviors. 2.7.9
8. Evaluate safe and healthy childcare services. 2.8
    1. Differentiate among child development theories and their implications for childcare practices. 2.8.1
    2. Evaluate quality indicators for childcare options. 2.8.2
    3. Compare childcare services, facilities, curriculum and providers. 2.8.3
    4. Describe how to evaluate in-home childcare providers. 2.8.4
    5. Discuss mandated reporting laws for child abuse, neglect and abduction. 2.8.5
    6. Describe parental consent and custody issues that affect childcare. 2.8.6

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Food and Nutrition

3. **Develop knowledge of food and nutrition to make informed choices that support safe, affordable and sustainable food practices.** S.3
    1. Analyze nutritional information to guide food choices. 3.1
        1. Describe sources of nutrients and their contributions to dietary needs. 3.1.1
        2. Identify the role of the digestive system in nutrient absorption. 3.1.2
        3. Identify symptoms of nutrient deficiencies and toxicity. 3.1.3
        4. Calculate nutrient values of meals based on the food labels of products and ingredients. 3.1.4
        5. Identify suitable ingredient substitutes to meet special dietary needs. 3.1.5
        6. Compensate for nutritional deficiencies. 3.1.6
        7. Evaluate the nutritional effects of fad diets, food addictions and eating disorders on individual wellness. 3.1.7
    2. Manage weight throughout the lifecycle. 3.2
        1. Identify factors that influence body weight. 3.2.1
        2. Explain the criteria for determining healthy body weight. 3.2.2
        3. Describe eating disorder warning signs, prevention methods and management techniques. 3.2.3
        4. Evaluate the effectiveness of weight management programs. 3.2.4
        5. Explain the importance of portion control and eating behaviors in weight management. 3.2.5
        6. Calculate the energy output needed to balance caloric input. 3.2.6
        7. Compare the benefits and detriments of nutrient supplements used in weight management. 3.2.7
    3. Analyze safe and affordable foods that promote a healthy lifestyle. 3.3
        1. Justify the use of prepackaged versus from scratch foods based on cost, time, nutrition and ease of preparation. 3.3.1
        2. Evaluate challenges that prevent individuals from obtaining nutritious food choices. 3.3.2
        3. Evaluate meat and poultry based on cuts and grading standards. 3.3.3
        4. Identify quality standards used to select food products. 3.3.4
        5. Select nutritious food choices at home and when dining out. 3.3.5
        6. Describe the impact of social and cultural influences on dietary patterns. 3.3.6
        7. Create daily food plans that meet current United States Department of Agriculture (USDA) dietary guidelines and contribute to healthy eating habits. 3.3.7
        8. Create menus for special occasions and events that reflect knowledge of special dietary and nutritional needs. 3.3.8

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4. Promote food safety and sanitation using proper food handling and storage. 3.4
    1. Identify major foodborne illnesses, causes, preventions and entrances into the food supply. 3.4.1
    2. Prevent food safety risks by controlling conditions under which bacteria grow. 3.4.2
    3. Compare the effects of food labeling, preservation, packaging and storage on food safety, freshness and longevity. 3.4.3
    4. Compare food preservation methods (e.g., freezing, drying, canning) used to optimize shelf life. 3.4.4
    5. Regulate food temperatures throughout purchase, storage, handling, cooking and serving. 3.4.5
    6. Apply personal, food safety and sanitation processes and procedures to prevent contamination and cross-contamination at home and in the workplace. 3.4.6
5. Prepare foods through different cooking methods to preserve nutrient values. 3.5
    1. Evaluate the physical, biological and chemical makeup of foods and the effects on food preparation. 3.5.1
    2. Develop recipes that preserve nutrient values and promote healthy eating patterns. 3.5.2
    3. Identify seasonings, oils, flavor enhancers and food additives by type, class or purpose. 3.5.3
    4. Calculate solid and liquid measurements and apply ratios and equations to convert U.S. and metric measurements. 3.5.4
    5. Adjust and convert recipes to achieve specific serving sizes and ingredient substitutions. 3.5.5
    6. Select cooking methods to retain nutritional values of fruits, vegetables, grains, protein and dairy. 3.5.6
    7. Adjust cooking time and temperature based on convention, convection and microwave ovens. 3.5.7
    8. Prepare sauces and gravies using thickening agents. 3.5.8
    9. Adjust to weather and altitude conditions when preparing baked products. 3.5.9
    10. Prepare a variety of confections, pastries and baked products. 3.5.10

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6. Analyze dining etiquette, settings and service styles that enhance the food experience. 3.6
    1. Compare formal and informal dining settings. 3.6.1
    2. Identify the components of place settings. 3.6.2
    3. Create and place table decorations based on the event. 3.6.3
    4. Decorate or garnish plated foods to enhance presentation. 3.6.4
    5. Apply social and dining etiquette rules that reflect the setting. 3.6.5
    6. Serve foods according to the selected serving style. 3.6.6
    7. Apply tipping etiquette when calculating services rendered. 3.6.7
    8. Explain the responsibilities of a host and guest. 3.6.8
7. Analyze key components of local, healthy, sustainably-grown foods. 3.7
    1. Identify available resources that ensure adequate, secure food supplies. 3.7.1
    2. Use seasonal foods to support local economies and help reduce carbon footprints. 3.7.2
    3. Plan a food garden. 3.7.3
    4. Identify the role of local producers, food distributors and current farm practices to support sustainable agriculture. 3.7.4
    5. Explain research findings on current and emerging trends in the food industry. 3.7.5
    6. Compare renewable and non-renewable resource practices, related to food and food packaging waste. 3.7.6
    7. Compare community-based food systems and resources. 3.7.7

Personal Finance and Consumerism

4. **Develop skills to achieve personal financial wellness and become an educated consumer.** S.4

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1. Achieve financial goals to establish financial stability. 4.1
    1. Identify the economic principles that affect the cost of living. 4.1.1
    2. Identify income sources and expenditures. 4.1.2
    3. Establish personal resources and evaluate their effects on earning potential. 4.1.3
    4. Compare gross and net income and identify the categories of deduction (e.g., union dues, retirement plans, garnishments). 4.1.4
    5. Evaluate the role of federal, state and local taxes in financial planning. 4.1.5
    6. Identify local, state and federal tax obligations and develop a tax payment plan. 4.1.6
    7. Prepare personal income tax filings. 4.1.7
    8. Set financial goals to influence current and future economic choices. 4.1.8
    9. Create a spending plan that reflects financial goals. 4.1.9
    10. Interpret personal financial documents to monitor financial goal progress. 4.1.10
    11. Adjust resource allocations based on financial goal progress. 4.1.11
    12. Measure and track financial wellbeing. 4.1.12
    13. Evaluate investments and calculate potential earnings. 4.1.13
2. Analyze financial institutions and services. 4.2
    1. Identify financial institutions and available services. 4.2.1
    2. List characteristics of reputable financial intuitions. 4.2.2
    3. Compare financial services based on lending terms and conditions. 4.2.3
    4. Evaluate the impact of government regulations, global economics and environmental conditions on investment and retirement plans. 4.2.4
    5. Compare and select retirement plans. 4.2.5
    6. Compare advantages and disadvantages of investment strategies. 4.2.6
    7. Create an investment plan to meet financial goals. 4.2.7
3. Analyze how credit and debt affect the achievement of financial goals. 4.3
    1. Identify credit types and purposes for establishing credit. 4.3.1
    2. Describe how reporting agencies use an individual's financial decisions to determine personal credit scores. 4.3.2
    3. Describe how to secure and maintain credit. 4.3.3
    4. Explain how credit ratings affect access to products, services and employment opportunities. 4.3.4
    5. Establish solutions to correct debt problems. 4.3.5

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4. Analyze risk management strategies used to protect assets. 4.4
    1. Identify the relationships among economy, society and environment that lead to financial stability. 4.4.1
    2. Describe the effects of inflation, recession and world crises and the impact on financial planning. 4.4.2
    3. Summarize types of insurance and identify how each mitigates financial risk and prevents loss. 4.4.3
    4. Identify how to reduce risk of identity theft and rectify a compromised identity. 4.4.4
    5. Describe how agencies (e.g., Attorney General's Office, Better Business Bureau, Food and Drug Administration, Federal Trade Commission) help protect consumers. 4.4.5
    6. Select risk management solutions to protect personal property and assets. 4.4.6
    7. Minimize risk through asset allocation, diversification and rebalancing. 4.4.7
5. Apply strategies to make purchasing decisions. 4.5
    1. Compare products based on features, costs and benefits. 4.5.1
    2. Compare the effects of a direct cost versus an indirect cost on a purchase. 4.5.2
    3. Explain the effects of economic trends and conditions on purchasing decisions. 4.5.3
    4. Describe the impact of supply and demand on product availability and pricing. 4.5.4
    5. Determine how purchasing decisions are influenced by brand identity and marketing techniques. 4.5.5
    6. Compare the advantages and disadvantages of online and in-store purchasing and the effects on the local economy. 4.5.6
    7. Summarize the terms of a sales contract for a product or service. 4.5.7
    8. Evaluate leasing and purchasing options for major purchases. 4.5.8
    9. Calculate interest rates to determine the projected cost of an item. 4.5.9
    10. Complete financial transactions using various purchasing methods. 4.5.10

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6. Analyze how professional, ethical and legal behaviors contribute to continuous improvement in regulatory compliance. 4.6
    1. Describe how regulatory compliance affects the consumer. 4.6.1
    2. Use ethical character traits consistent with personal and professional standards. 4.6.2
    3. Explain how consumer protections laws (e.g., Equal Opportunity Act, Fair Credit Reporting Act, Consumer Protection Agency, Family and Medical Leave Act [FMLA], Family Educational Rights and Privacy Act [FERPA]) help safeguard individuals from fraud and potential loss. 4.6.3
    4. Access and implement safety compliance measures (e.g., recommended manufacturers' guidelines, product safety data sheets [PSDSs], United States Environmental Protection Agency [EPA], United States Occupational Safety and Health Administration [OSHA], American Association of Poison Control Centers) to maintain product warranty and protect the consumer. 4.6.4
    5. Identify fraudulent and deceptive practices (e.g., bait and switch, unlawful door-to-door sales, deceptive service estimates, misrepresentations) and their overall impact on the consumer. 4.6.5
    6. Identify the labor laws (e.g., Americans with Disabilities Act, Fair Labor Standards Acts, Equal Employment Opportunity Commission [EEOC]) that affect employment and the consequences of noncompliance for both employee and employer. 4.6.6
    7. Identify potential conflicts of interest between personal and professional ethical standards. 4.6.7
    8. Identify ways to advocate for public policies, legislation and government regulations. 4.6.8

Health and Wellness

5. **Develop wellness practices that promote a healthy lifestyle.** S.5

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1. Adopt wellness practices at each stage of the lifespan. 5.1
    1. Explain how the seven dimensions of wellness (i.e., emotional, environmental, intellectual, occupational, physical, social, spiritual) impact overall health. 5.1.1
    2. Identify how to prevent or reduce the risk of health problems. 5.1.2
    3. Explain the effects of engaging in healthy and unhealthy behaviors. 5.1.3
    4. Describe the effects of external factors on personal health. 5.1.4
    5. Evaluate overall health to determine present and future healthcare needs. 5.1.5
    6. Create a long-term personal health plan that promotes lifespan wellness. 5.1.6
    7. Describe environmental issues and lifestyle habits that lead to poor health. 5.1.7
    8. Explain the effect hygiene has on health and wellness. 5.1.8
    9. Describe the consequences of the use and misuse of health products. 5.1.9
    10. Explain the effect allergies and sensitivities have on overall health. 5.1.10
    11. Identify the principles of dental procedures and comprehensive dentalcare. 5.1.11
    12. Compare types of immunizations throughout the lifespan. 5.1.12
    13. Compare vaccination risks to the consequences of refusing vaccines. 5.1.13
2. Promote a healthy lifestyle through physical activity, relaxation and sleep. 5.2
    1. Describe the short- and long-term health benefits of physical activity, relaxation and sleep. 5.2.1
    2. Compare exercise guidelines across the lifespan. 5.2.2
    3. Compare strength, flexibility and endurance and describe the importance of each. 5.2.3
    4. Compare the advantages and disadvantages of aerobic activities versus a sedentary lifestyle. 5.2.4
    5. Describe each phase of the sleep cycle. 5.2.5
    6. Identify sleep disorder symptoms and effects on the phases of the sleep cycle. 5.2.6
    7. Execute techniques to improve sleep. 5.2.7
    8. Analyze the effects of stress and stress reducing activities on overall health. 5.2.8

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3. Analyze emergency preparedness procedures. 5.3
    1. Identify the signs and symptoms of common illnesses. 5.3.1
    2. Describe what should be on hand for emergencies and treatment of common illnesses. 5.3.2
    3. Determine when to seek emergency medical care. 5.3.3
    4. Create an action plan for emergency situations. 5.3.4
    5. Assess the situation and administer necessary first aid procedures. 5.3.5
    6. Perform cardiopulmonary resuscitation (CPR), automated external defibrillation (AED) and the Heimlich maneuver. 5.3.6
4. Analyze strategies to maintain positive mental health. 5.4
    1. Describe mental health issues, symptoms and prevention methods. 5.4.1
    2. Identify symptoms and long-term effects of substance abuse and chemical dependency. 5.4.2
    3. Determine when to seek support, treatment and counseling resources. 5.4.3
    4. Identify suicidal tendencies and prevention methods. 5.4.4
    5. Identify barriers to seeking treatment and support for mental health issues. 5.4.5
    6. Describe the challenges of living with mental health issues or chemical dependencies. 5.4.6
    7. Create mental health management and substance abuse recovery plans. 5.4.7
    8. Identify the stages of grief and develop coping strategies. 5.4.8
5. Analyze the impact of human sexuality on health and wellness. 5.5
    1. Differentiate between the male and female reproductive system, structures and functions. 5.5.1
    2. Describe the decisions and responsibilities associated with sexual relationships. 5.5.2
    3. Identify types, effects and prevention methods of sexually transmitted diseases (STDs). 5.5.3
    4. Evaluate family planning techniques for the different lifecycle stages. 5.5.4
    5. Describe the effects of genetic disorders and fertility issues on family planning. 5.5.5

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6. Implement personal safety procedures. 5.6
    1. Identify threatening behaviors and corrective strategies. 5.6.1
    2. Identify the signs, symptoms and impacts of dating and domestic violence. 5.6.2
    3. Implement strategies to protect self and others from illness, injury, abuse and abduction. 5.6.3
    4. Identify resources, organizations and agencies committed to assisting victims. 5.6.4
    5. Implement methods needed to support victims and families. 5.6.5
    6. Describe the impact of initiating self-defense actions. 5.6.6
    7. Develop a personal safety plan. 5.6.7

Design

6. **Apply the principles of design to interior and exterior spaces and textiles.** S.6
    1. Apply principles of design to convey ideas. 6.1
        1. Identify the principles and elements of design. 6.1.1
        2. Evaluate the physiological and psychological ways humans interact with spaces and furnishings. 6.1.2
        3. Apply design elements and principles to develop and enhance visual effects. 6.1.3
        4. Evaluate the use of design in textiles, interiors or exteriors. 6.1.4
        5. Prepare sketches, patterns or elevations. 6.1.5
        6. Generate and manipulate two-dimensional (2D) and three-dimensional (3D) digital designs. 6.1.6
        7. Create a virtual rendering using design principles and elements. 6.1.7
    2. Evaluate fabrics and finishes for design, appearance, construction and performance. 6.2
        1. Categorize textile fibers and describe the uses for each. 6.2.1
        2. Explain how fiber, weave, texture, pattern and finishes affect the visual appearance and functionality of fabric. 6.2.2
        3. Evaluate performance characteristics of fabrics and finishes. 6.2.3
        4. Analyze the effects of textile characteristics on design and construction. 6.2.4
        5. Design textile products using design elements and principles. 6.2.5

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3. Produce, alter and repair textile products. 6.3
    1. Select the type of production, alteration or repair needed based on the characteristics of woven, knit and non-woven textile products. 6.3.1
    2. Explain research findings on current textile-design and -production technologies and trends. 6.3.2
    3. Develop textile products using the production sequence. 6.3.3
    4. Alter and repair textile products. 6.3.4
    5. Repurpose, redesign and recreate a textile product. 6.3.5
    6. Determine the processes needed to protect and preserve products based on textile characteristics. 6.3.6
4. Design interior and exterior spaces. 6.4
    1. Determine available space based on blueprints or floorplans. 6.4.1
    2. Measure and estimate the dimensions of interior or exterior areas. 6.4.2
    3. Create a design that incorporates environmental psychology, architecture and product design elements. 6.4.3
    4. Draft space plans to scale using architectural symbols. 6.4.4
    5. Revise plans to improve aesthetics, function, safety and return on investment. 6.4.5
    6. Incorporate universal design principles, building codes and regulations in space planning. 6.4.6
    7. Develop a project scope of work. 6.4.7
    8. Compare quotes and select products or services based on project criteria. 6.4.8
    9. Estimate costs and value gains of a remodel or redesign. 6.4.9
5. Decorate interior and exterior spaces. 6.5
    1. Explain the roles of ergonomics and anthropometrics in product selection. 6.5.1
    2. Select floor and wall coverings, window treatments and lighting based on form and function. 6.5.2
    3. Select furnishings based on product longevity, product safety and maintenance. 6.5.3
    4. Select architectural décor and features to compliment the home's style and theme. 6.5.4
    5. Furnish spaces, according to principles of design, to accommodate traffic flow, activity and existing architectural features. 6.5.5
    6. Repair, reuse and repurpose home furnishings and décor. 6.5.6

1. Maintain a clean living environment. 7.1
    1. Compare and select cleaning products based on price, availability and sustainable practices. 7.1.1
    2. Describe the effects of cleaning products and methods on the environment and personal health. 7.1.2
    3. Clean textile products according to recommended manufacturers' instructions. 7.1.3
    4. Clean and treat stains on natural and synthetic surfaces (e.g., stone, wood, fabric) with cleaning solutions and materials recommended by industry guidelines. 7.1.4
    5. Describe procedures for safely handling, storing and disposing of hazardous materials and waste products, according to federal and state safety regulations. 7.1.5
    6. Create a seasonal cleaning plan, including checklists, job specifications and costs. 7.1.6
2. Organize a home and family by using technology and storage strategies. 7.2
    1. Use storage products to maximize space and improve home organization. 7.2.1
    2. Implement technologies to manage family organization and resources. 7.2.2
    3. Identify advanced technology needs based on price, style and purpose. 7.2.3
    4. Create a plan to implement home technology solutions. 7.2.4
3. Preserve the financial value of a home through property maintenance. 7.3
    1. Determine home and property maintenance needed to preserve financial value. 7.3.1
    2. Compare and select appliances based on price, availability and ease of use. 7.3.2
    3. Perform maintenance, repairs and replacements according to appliance manuals. 7.3.3
    4. Determine service schedules for equipment based on service contract and warranty recommendations. 7.3.4
    5. Create a property maintenance schedule. 7.3.5
    6. Compare quotes and references for maintenance services. 7.3.6
    7. Estimate costs and value gains of repairs versus replacements. 7.3.7

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4. Analyze environmentally-sustainable practices to maintain a home. 7.4
    1. Justify the use of eco-friendly versus traditional products and principles based on the environmental impact. 7.4.1
    2. Conduct an energy audit to determine the financial benefits of maintaining an energy efficient home. 7.4.2
    3. Select energy sources based on economic viability, sustainability and environmental impact. 7.4.3
    4. Apply household practices to reduce water and energy use. 7.4.4
    5. Apply green products and practices to clean and maintain property. 7.4.5
    6. Compare products and services from manufacturers who promote environmentally sustainable practices. 7.4.6
5. Implement measures to ensure a safe and secure living environment. 7.5
    1. Implement home safety and security measures to minimize risk. 7.5.1
    2. Identify animal owner responsibilities that ensure a safe and secure living environment. 7.5.2
    3. Create a home safety checklist and implement needed safety measures. 7.5.3
    4. Prepare, plan and stay informed for natural disasters. 7.5.4
    5. Prepare and plan for extended time away from home. 7.5.5
    6. Select, install and maintain fire detecting and gas monitoring systems. 7.5.6
    7. Determine extinguishing methods for each class of fire. 7.5.7