Arkansas CTE

Introduction to Medical Professions: Grades 9, 10, 11, 12

Adopted 2006

Medical History and Events

1.1 Define terminology related to personal medical history

1. Use terms appropriately in context 1.1.1

1.2 Describe the origin of health care institutions from ancient Greek/Roman times through the 19th century

1. Prepare and present a paper on a chosen era/invention/inventor/discovery 1.2.1
2. Discuss changes in health care and how these changes influence today's health care 1.2.2

1.3 Outline the major advances in the 20th century regarding health care

1. Discuss changes in the workforce 1.3.1
2. Research advances in the 20th century 1.3.2
3. Assess cultural roles and changes in the 20th century 1.3.3

1.4 Describe new and future developments and technology that will affect the health care industry

1. Investigate a recent health care issue, development, or technology and its implications 1.4.1

Health Care Systems

2.1 Define terminology related to health care systems

1. Use terms appropriately in context 2.1.1

2.2 Describe the major types of health care facilities and agencies at the local, state, national, and international level

1. Distinguish among health care facilities according to their services 2.2.1
2. Assess a community's responsibility for the health of its citizens 2.2.2
3. Compare the basic differences between a for-profit and not-for-profit organization 2.2.3

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4. Discuss the roles of the major national and international health care agencies 2.2.4

2.3 Explain health insurance plans

1. Analyze different health care plans, including HMO, PPO, Medicare, Medicaid, Worker's Compensation, and managed care 2.3.1

2.4 Identify the purpose of organizational structures for health care facilities

1. Prepare an organizational chart for a local health care facility 2.4.1
2. Show the responsibilities of each department in a particular health care facility 2.4.2

Health Care Careers

3.1 Define terminology related to health care careers

1. Use terms appropriately in context 3.1.1

3.2 Describe the education requirements for health care professionals

1. Differentiate between secondary and postsecondary education 3.2.1
2. Distinguish among the requirements to earn associate's, bachelor's, master's, and doctoral degrees 3.2.2

3.3 Distinguish among the different types of certification, registration, and licensure

1. Analyze the differences in certification, registration, and licensure 3.3.1
2. Research health care regulatory agencies 3.3.2
3. Determine which health care professionals need to maintain certification, registration, or licensure 3.3.3

3.4 Name available health care career opportunities

1. Prepare and present a paper on a selected health care profession 3.4.1
2. Predict changes in health care and how these changes will impact the medical profession workforce 3.4.2
3. Note nontraditional occupations 3.4.3
4. Research and compare the future job outlook for various health care careers 3.4.4

3.5 Identify abbreviations used in health occupations

1. Prepare a list of common health care professionals and their abbreviations 3.5.1

3.6 List the occupational environment, job duties and responsibilities, and personal attributes associated with different health care careers

1. Determine the working conditions of various health care professionals 3.6.1
2. Show personal characteristics and attributes needed by different health care workers 3.6.2

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Professionalism, Ethics, and Legalities

4.1 Define terminology related to professionalism, ethics, and legalities

1. Use terms appropriately in context 4.1.1

4.2 Identify tort laws that affect health care

1. Discuss the effects of tort laws on health care 4.2.1
2. Predict the legal consequences of tort laws that are not upheld 4.2.2

4.3 Describe the effect of privileged communication in health care

1. Research articles dealing with legalities in the health care profession 4.3.1
2. Analyze the ramifications of sharing privileged communication with individuals who are not privy to such information 4.3.2
3. Differentiate between what is and what is not privileged communication information 4.3.3

4.4 Identify ethical considerations in the health care profession

1. Address the ethical and legal responsibilities of health care workers 4.4.1
2. Simulate a situation that depicts ethical and unethical conduct 4.4.2
3. Develop a code of ethics for the classroom 4.4.3
4. Develop a code of ethics that would apply to any health care worker 4.4.4
5. Address the legal, employment, and professional consequences of unethical or illegal conduct 4.4.5

4.5 Identify the rights of the patient

1. Compare copies of patients' rights from local health care agencies 4.5.1
2. Prepare a living will 4.5.2

Qualities of a Successful Health Care Worker

5.1 Define terminology related to qualities of a successful health care worker

1. Use terms appropriately in context 5.1.1

5.2 List personal qualities of a health care worker

1. Perform an inventory of personal qualities as they relate to a career in the health care field 5.2.1
2. Note desirable personal qualities of a health care worker 5.2.2

5.3 Identify factors that contribute to good health

1. Evaluate personal health 5.3.1
2. Predict the personal health consequences of unhealthy lifestyle choices 5.3.2
3. Prepare a list of unhealthy lifestyle choices 5.3.3

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Describe appropriate clothing for a health care worker

1. Note possible risks of wearing inappropriate clothing 5.4.1

2. Differentiate between acceptable and unacceptable clothing for different health care workers 5.4.2

5.5 State the importance of good personal hygiene for the health care worker

1. Determine good personal hygiene habits 5.5.1
2. Discuss behaviors that would be considered poor personal hygiene 5.5.2
3. Predict the consequences to self and patients from poor personal hygiene 5.5.3

5.6 Identify professional appearance of a health care worker

1. Critique the appearance of health care workers in selected photographs 5.6.1
2. Predict possible ramifications of an unprofessional appearance 5.6.2

5.7 State the importance of relationship skills in the health care field

1. Note desired qualities of a team player 5.7.1
2. Assess the positive outcomes of desirable relationship skills 5.7.2

5.8 Describe ways to build working relationships with staff members

1. Role-play strategies that can help a health care worker deal with stressful situations in the workplace 5.8.1

5.9 Identify employment skills that both females and males need in the health care field

1. Relate employment skills that both males and females need to cope in a constantly changing workplace 5.9.1
2. Determine desirable employment skills needed by both females and males in the health care field 5.9.2

5.10 Differentiate between stereotyping and discrimination

1. Discuss strategies to overcome stereotyping and discrimination on the basis of race, gender, and disability 5.10.1

Nutrition and Health

6.1 Define terminology related to nutrition and health

1. Use terms appropriately in context 6.1.1

6.2 Describe the effects of nutrition on health

1. Show the beneficial effects of proper nutrition on health 6.2.1
2. Predict the ill effects of improper nutrition on health 6.2.2
3. Show the components of proper nutrition 6.2.3
4. Differentiate among different types of eating disorders 6.2.4
5. Use different types of body composition indicators appropriately 6.2.5

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Discuss diseases or health problems that can be prevented by good nutrition

1. Show the more common nutrition-related diseases that can be prevented by proper nutrition 6.3.1
2. Differentiate between obesity and overweight 6.3.2
3. Determine factors that contribute to obesity 6.3.3

6.4 Name essential nutrients and their functions

1. Give examples of essential nutrients and their functions 6.4.1
2. Predict the health risks associated with inadequate and excessive intake of each essential nutrient 6.4.2

6.5 Identify sources of nutrients

1. Analyze the nutritional value of personal daily intake for any inadequate or excessive intake of a nutrient 6.5.1
2. Associate nutrients with their food sources 6.5.2

6.6 List simple and complex carbohydrates

1. Define simple and complex carbohydrates 6.6.1
2. Determine sources of simple and complex carbohydrates 6.6.2
3. Differentiate among the functions of each type of carbohydrate 6.6.3

6.7 Select saturated and unsaturated fats

1. Distinguish among the effects saturated and unsaturated fats have on the body 6.7.1
2. Demonstrate the body's role in producing cholesterol 6.7.2
3. Predict and describe the health risks associated with excessive intake of cholesterol 6.7.3
4. Discuss the effects of cholesterol on the body 6.7.4

6.8 Describe functions and sources of cholesterol

1. Show sources of cholesterol 6.8.1
2. Discuss the body's role in producing cholesterol 6.8.2
3. Predict and describe the health risks associated with excessive intake of cholesterol 6.8.3
4. Explain the functions of cholesterol in the body 6.8.4

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6.9 Describe proteins and the role they play in contributing to good health

1. Identify complete and incomplete proteins 6.9.1
2. Give examples of sources that contain complete proteins 6.9.2
3. Produce combinations of complementary proteins 6.9.3
4. Predict health risks associated with inadequate or excessive intake of protein 6.9.4

6.10 Describe the functions of vitamins

1. Illustrate good food sources of each vitamin 6.10.1
2. Differentiate between water-soluble and fat-soluble vitamins 6.10.2
3. Compare vitamins, their sources, and the role each plays in contributing to good health 6.10.3
4. Predict possible health risks associated with inadequate or excessive intake of each vitamin 6.10.4

6.11 Describe the functions of minerals

1. Plan a day's menu that incorporates foods high in an assigned mineral 6.11.1
2. Analyze minerals 6.11.2
3. Discover the functions of minerals 6.11.3
4. List minerals, their sources, and the role each plays in keeping the body healthy 6.11.4
5. Predict possible health risks associated with inadequate or excessive intake of each mineral 6.11.5
6. Select and describe the two classifications of minerals 6.11.6

6.12 State the importance of water in the diet

1. Explain the need for adequate daily intake of water 6.12.1
2. Distinguish between under-hydration and over-hydration 6.12.2
3. Predict the health risks associated with hydration 6.12.3
4. Discuss symptoms of dehydration 6.12.4

6.13 Outline the processes of digestion, absorption, and metabolism

1. Analyze digestion, absorption, and metabolism 6.13.1
2. Show the sites of digestion and absorption 6.13.2
3. Diagram the role of enzymes in digestion and absorption 6.13.3
4. Discuss common digestive enzymes 6.13.4

4 Outline the process of calculating a total day's energy need/Estimated Energy Requirement (EER)

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1. Compute EER 6.14.1
2. Discuss how sex, weight, age, and height affect EER 6.14.2
3. Calculate EER 6.14.3
4. Determine personal EER 6.14.4

6.15 Identify the food pyramid

1. Plan a day's menu that incorporates food groups from the pyramid and the appropriate number of servings according to personal calorie needs 6.15.1

6.16 List the guidelines regarding calorie needs

1. Calculate personal daily calorie needs 6.16.1
2. Discover factors that affect an individual's calorie needs 6.16.2

6.17 Identify the various therapeutic diets, fad diets, and their purposes

1. Compare and describe different types of therapeutic diets 6.17.1
2. Discuss the purposes of various therapeutic diets 6.17.2
3. Give examples of disease states appropriate for each type of therapeutic diet 6.17.3
4. Discuss fad diets 6.17.4
5. Evaluate and compare different diet plans 6.17.5

Career and Technical Student Organizations (SkillsUSA/HOSA)

7.1 Define terminology related to student organizations

1. Use terms appropriately in context 7.1.1

7.2 Outline a self-assessment, and identify individual learning styles

1. Show individual strengths 7.2.1
2. Show areas in need of improvement 7.2.2

7.3 Describe self-motivation techniques, and establish short-term goals

1. Prepare a list of short-term goals 7.3.1
2. Discuss ways to change or improve lifestyle, appearance, and behavior 7.3.2

7.4 Give examples of individual time-management skills

1. Prepare and maintain a time journal 7.4.1
2. Outline ways to improve time-management skills 7.4.2

7.5 Predict future occupations

1. Research the Internet to explore career opportunities within specified fields of study 7.5.1
2. Prepare a presentation on a specified career area 7.5.2

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7.6 Identify the customer

1. Differentiate between external and internal customers 7.6.1
2. Identify factors that contribute to poor customer relationships 7.6.2

7.7 Identify the benefits of doing a community service project

1. Outline ways to become involved in the community 7.7.1
2. Develop a community service project 7.7.2

7.8 Describe effective communication with others

1. Note personal barriers to listening 7.8.1
2. Relate a personal plan to overcome barriers to listening 7.8.2

7.9 Give locations for a shadowing activity

1. Summarize and relate an experience of job shadowing activity 7.9.1

7.10 Identify the components of an employment portfolio

1. Present parts of a portfolio 7.10.1
2. Compile a personal employment portfolio for an interview 7.10.2

7.11 List proficiency in program competencies

1. Construct an interpersonal competency assessment 7.11.1

7.12 Describe how to measure/modify short-term goals

1. Discuss how to pursue short-term goals 7.12.1

7.13 Identify stress sources

1. Prepare a list of personal stress sources 7.13.1
2. Outline techniques to cope with individual sources of stress 7.13.2

7.14 Identify characteristics of a positive image

1. List behaviors and traits that lead to a positive image 7.14.1
2. Note behaviors and traits that lead to a negative image 7.14.2

7.15 Describe how team skills can be applied to a group project

1. Form a team to develop a class project 7.15.1

7.16 Outline how to observe and critique a meeting

1. Attend a formal meeting held in the community 7.16.1
2. Prepare a critique of the meeting attended 7.16.2

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7 List business meeting skills

1. Relate the basic rules required to ensure an orderly and business-like meeting 7.17.1
2. Demonstrate with role-playing appropriate meeting skills 7.17.2

7.18 Outline a survey for employment opportunities

1. Compile information on a particular employment opportunity of interest 7.18.1
2. Perform an Internet search of a specific career area 7.18.2

7.19 Select a professional journal for review, and develop a three- to five-minute presentation

1. Prepare a presentation on the content, purpose, and distribution of a particular professional journal 7.19.1

7.20 Identify customer expectations

1. List customer expectations 7.20.1
2. Discover the consequences of unmet customer expectations 7.20.2

7.21 List parts of a job application

1. Prepare a job application from various businesses in the community 7.21.1
2. Demonstrate a mock job interview 7.21.2

7.22 Outline your employment portfolio

1. Construct a personal employment portfolio 7.22.1

7.23 Identify supervisory and management roles in an organization

1. Prepare an organizational chart 7.23.1
2. Outline the responsibilities of managers and supervisors 7.23.2

7.24 Outline safety issues

1. Research safety issues within a given career area 7.24.1