Arkansas CTE

Introduction to Health Informatics: Grades 9, 10, 11, 12

Adopted 2009

Medical History and Events

1.1 Define terminology related to Health Informatics

1. Use terms appropriately in context 1.1.1

1.2 Describe the origin of healthcare institutions from ancient Greek/Roman times through the 21st century

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

1.3 Outline the major advances through the 21st century regarding healthcare

1. Discuss changes in the workforce 1.3.1
2. Research advances in the 20th and 21st century 1.3.2
3. Assess cultural roles and changes in the 20th and 21st centuries 1.3.3

1.4 Describe new and future developments in technology that will affect the healthcare industry

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

Exploring Health Informatics Occupations

2.1 Define terminology related to Health Informatics occupations

1. Use terms appropriately in context 2.1.1
2. Research careers in Health Informatics 2.1.2
3. Prepare a list of occupations in Health Informatics 2.1.3

2.2 Determine skills and education required for Health Informatics occupations

1. Explore job outlook to year 2020 2.2.1
2. Document average yearly salary for careers in Health Informatics 2.2.2

2.3 Identify local Health Informatics personnel

Skip to main content

1. Invite Health Informatics personnel to speak 2.3.1
2. Discuss various local job opportunities in Health Informatics 2.3.2
3. Take a field trip to explore Health Informatics occupations 2.3.3

Qualities of Successful Healthcare Workers

3.1 Define terminology related to qualities of a successful healthcare worker

1. Use terms appropriately in context 3.1.1

3.2 List personal qualities of a healthcare worker

1. Perform an inventory of personal qualities as they relate to a career in the healthcare field 3.2.1
2. Note desirable personal qualities of a healthcare worker 3.2.2

3.3 Describe appropriate clothing for a healthcare worker

1. Note possible risks of wearing inappropriate clothing 3.3.1
2. Differentiate between acceptable and unacceptable clothing for different healthcare workers 3.3.2

3.4 State the importance of good personal hygiene for the healthcare worker

1. Determine good personal hygiene habits 3.4.1
2. Discuss behaviors that would be considered poor personal hygiene 3.4.2
3. Predict the consequences to self and patients from poor personal hygiene 3.4.3

3.5 Identify professional appearance of a healthcare worker

1. Critique the appearance of healthcare workers in selected photographs 3.5.1
2. Predict possible ramifications of an unprofessional appearance 3.5.2

3.6 Identify employment skills that both males and females need in the healthcare field

1. Relate employment skills that both males and females need to cope in a constantly changing workplace 3.6.1
2. Determine desirable employment skills needed by both males and females in the healthcare field 3.6.2

Professionalism, Ethics, and Legalities

4.1 Define terminology related to professionalism, ethics, and legalities in Health Informatics

1. Use terms appropriately in context 4.1.1

4.2 Identify tort laws that affect healthcare

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

Skip to main content

4.3 Describe the effect of privileged communication in healthcare

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

4.4 Identify ethical considerations in the healthcare profession

1. Address the ethical and legal responsibilities of healthcare 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 healthcare 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 healthcare agencies 4.5.1
2. Prepare a living will 4.5.2

Safety

5.1 Define terminology related to safety in Health Informatics

1. Prepare a written list of terms and definitions related to safety 5.1.1

5.2 Outline the basic rules of good body mechanics

1. Demonstrate correct body mechanics 5.2.1

5.3 Identify safety regulations for equipment and solutions used in Health Informatics

1. List and define sections of the Material Safety Data Sheet (MSDS) 5.3.1
2. Demonstrate proper usage of medical equipment 5.3.2

5.4 Discuss regulations for patient safety when performing procedures in the laboratory or clinical area

1. Demonstrate proper patient safety procedures 5.4.1
2. List consequences of not following proper safety procedures 5.4.2

5.5 Discuss regulations to observe for personal safety

1. Create posters promoting safety regulations 5.5.1
2. Formulate specific safety regulations for the classroom 5.5.2

Skip to main content

Identify three elements needed to start a fire

1. List the three elements needed to start a fire 5.6.1

5.7 Describe the main classes of fire extinguishers

1. List and describe the main classes of fire extinguishers 5.7.1

5.8 Outline fire safety and evacuation guidelines

1. Simulate the operation of a fire extinguisher 5.8.1
2. Illustrate a fire evacuation plan/route for the classroom 5.8.2

Infection Control

6.1 Define terminology associated to infection control

1. Prepare a written list of terms and definitions related to infection control 6.1.1

6.2 Discuss classification of microorganisms

1. List different classifications of micro-organisms 6.2.1
2. Give examples for each different classification 6.2.2
3. Identify shapes and characteristics of common microorganisms 6.2.3
4. View slides of various microorganisms 6.2.4

6.3 Discuss elements in the chain of infection

1. Determine ways to break the chain of infection 6.3.1

6.4 Distinguish between antisepsis, disinfection, and sterilization

1. Define antisepsis, disinfection, and sterilization 6.4.1
2. Differentiate between antisepsis, disinfection, and sterilization 6.4.2

6.5 Describe how pathogens affect the body

1. List effects pathogens have on the body 6.5.1

6.6 Outline the correct procedure for washing hands

1. Demonstrate the correct procedure for washing hands 6.6.1

6.7 Outline universal blood and body fluid precautions

1. Demonstrate universal precautions 6.7.1
2. Discuss health risks associated with not following precautions 6.7.2

6.8 Discuss methods of infection control

1. Demonstrate a method of infection control 6.8.1
2. List and describe methods of infection control 6.8.2
3. Discuss the healthcare worker's role in infection control 6.8.3