



Health Science 1

South Carolina 5550

This document provides the correlation between HealthCenter21 interactive e-learning curriculum, and the Health Science 1 standards, published by the state of South Carolina.



Engage.Learn.Succeed
www.aeseducation.com

312 E Walnut Street
Lancaster, PA 17602
1-800-220-2175



HealthCenter21 Template

South Carolina Health Science 1 5550

Medical Mathematics

Basic Math Review Worksheet
Number Basics
Key Calculations
Measurement Systems
Medications
Temperature and Time
Charts and Graphs
Reflection Questions and Discussion
Review Worksheet
Current Event

Medical Terminology

Word Search Puzzle
Word Parts: Roots
Word Parts: Suffixes and Prefixes
Abbreviations
Anatomic References
Reflection Questions and Discussion
Worksheet & Crossword Puzzle
Current Event

Communications

Communications Game
Basic Communication
Interpersonal Communication
Communication Barriers
Communicating with Patients
Documentation
Communication Technology
Reflection Questions and Discussion
Communication Skits
Culture/Religion Presentation
Taking Phone Messages
Communication Diversity Skit
Current Event

Written Communication

Written Communication Activity
Processing Incoming Mail
Written Communication
Types of Written Communication
Outgoing Mail
Reflection Questions
Creating Written Communication Activity
Current Event

Health Care Systems

Analyze Health Care Facilities
History of Health Care
Systems in Health Care
Health Care Delivery Systems
Health Insurance
Reflection Questions and Discussion
Write a Goal Using System Theory
Talk Show
Health Care Innovations Debate
Comparison Infograph
Payment Methods
Current Event

Insurance and Coding

The Importance of Health Insurance
Insurance
Government Programs
Coding
Claims
Reflection Questions and Discussion
Insurance and Coding Scenario
Current Event

Personal Qualities

Work Attire
Personal Characteristics
Health Care Team
Personal Management Skills
Reflection Questions and Discussion
Health Care Problem Solving Scenarios
Team Invention
Conflict Resolution Scenarios
Health Care Team Meeting
Current Event

Health Care Careers

Research Jobs Wanted Ads
Careers in Health Care
Choosing a Career in Health Care
Reflection Questions and Discussion
Career Research & Presentation
Career Profiles
Health Care Careers History
Professional Traits
Current Event



HealthCenter21 Template

South Carolina Health Science 1 5550

Legal and Ethical Responsibilities

Confidentiality Role Play
Civil and Criminal Law
Privacy and Security
Advance Directives and Client Rights
Liability and Ethics
Workplace Law
Reflection Questions and Discussion
Advanced Directives (Create a Living Will)
Ethics Debate
Code of Ethics
Scope of Practice
Current Event

Health Information Technology

Health Information Technology Overview
Electronic Health Records
Health Insurance Portability and Accountability Act (HIPAA)
Current Event

Infection Control

Hand Washing
Introduction to Infection Control
Standard Precautions
Transmission-Based Precautions
Sterile Technique
Reflection Questions and Discussion
Hand Washing
Observing Microorganism Growth
Chain of Infection Poster
Current Event

Safety Precautions

Greet, Identify & Explain a Procedure
Body Mechanics
Safety Guidelines and Regulations
Environmental Safety
Reflection Questions and Discussion
Safety Guideline Poster
Current Event

Wellness and Nutrition

Wellness Role-play and Discussion
Wellness
Nutrition
Health Care
Stress and Planning for Wellness
Reflection Questions and Discussion
Wellness Campaign
Stress Reduction
Create a Board Game
Public Service Reminder
Current Event

Client Status

Explore
Vital Signs and Body Measurements
Temperature
Pulse
Respiration
Blood Pressure
Reflection Questions and Discussion
Examining Vital Signs
Current Event

Physical Exams

Use and Care of Lab Equipment
Introduction to Physical Exams
Eye and Ear Examinations
Physical Examinations
Gynecological and Obstetrical Exams
Reflection Questions and Discussion
Wellness Campaign
Current Event

Emergency Care

Explore
Introduction to Emergency Care
Injury Care Techniques
Shock and Bone/Joint Injuries
Wounds and Burns
Foreign Bodies and Poison
Extreme Temperatures
Sudden Illnesses
Reflection Questions and Discussion
Emergency Scenarios
Current Event

Office Equipment

Office Equipment Guessing Game

Computers

Other Equipment

Maintenance and Troubleshooting

Office Supplies

Reflection Questions

Inventory and Purchasing Activity

Current Event

1. Foundation Standard 1: Academic Foundation - Healthcare professionals will know the academic subject matter required for proficiency within their area. They will use this knowledge as needed in their role. The following accountability criteria are considered essential for students in a health science program of study.	5 / 5
1. Identify components and solve computations of the metric and household systems of measure.	Medical Mathematics
2. Calculate mathematical conversions of temperature and weights and measures related to healthcare.	Medical Mathematics
3. Record time using 24-hour clock.	Medical Mathematics
4. Recognize and convert traditional numbers to roman numerals.	Medical Mathematics
5. Define and recognize entry level Medical Terminology and terms related to healthcare.	Medical Terminology
2. Foundation Standard 2: Communications - Healthcare professionals will know the various methods of giving and obtaining information. They will communicate effectively, both orally and in writing.	5 / 5
1. Interpret verbal and nonverbal communication.	Communications
2. Recognize cultural and religious barriers to communication.	Communications
3. Recognize elements of communication using a sender-receiver model.	Communications
4. Apply speaking and active listening skills.	Communications
5. Recognize elements of written and electronic communication (spelling, grammar, formatting, and confidentiality).	Written Communication

3. Foundation Standard 3: Systems - Healthcare professionals will understand how their role fits into their department, their organization, and the overall healthcare environment. They will identify how key systems affect services they perform and quality of care.	4 / 4
1. Describe healthcare history and medical advances.	Health Care Systems
2. Identify healthcare delivery systems (public, private, government, and nonprofit) and explain factors that influence them. (including emerging issues)	Health Care Systems
3. Describe responsibilities of consumers within the healthcare system.	Health Care Systems
4. Discuss common methods of payment for healthcare to include Medicaid, Medicare, TRICARE, private insurance, worker's compensation, etc.	Health Care Systems Insurance & Coding
4. Foundation Standard 4: Employability Skills - Healthcare professionals will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills, as needed.	4 / 4
1. Classify personal traits or attitudes desirable in a member of the healthcare team.	Personal Qualities
2. Summarize and demonstrate professional standards and characteristics as they apply to hygiene, dress, language, confidentiality, and behavior.	Personal Qualities
3. Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development).	Health Care Careers
4. Evaluate levels of education, credentialing requirements, employment opportunities, workplace environments, and career earnings.	Health Care Careers

<p>5. Foundation Standard 5: Legal Responsibilities - Healthcare professionals will understand the legal responsibilities, limitations, and implications of their actions within the healthcare delivery setting. They will perform their duties according to regulations, policies, laws, and legislated rights of clients.</p>	<p>2 / 2</p>
<p>1. Explain practices that could result in malpractice, liability, and/or negligence (to include civil law, criminal law, torts, and contracts.)</p>	<p>Legal & Ethical Responsibilities</p>
<p>2. Describe standards for Health Insurance Portability and Accountability Act (HIPAA).</p>	<p>Health Information Technology Legal & Ethical Responsibilities</p>
<p>6. Foundation Standard 6: Ethics - Healthcare professionals will understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment. They will perform quality healthcare delivery.</p>	<p>3 / 3</p>
<p>1. Differentiate between ethical and legal issues impacting healthcare.</p>	<p>Legal & Ethical Responsibilities</p>
<p>2. Recognize ethical and legal issues and their implications related to healthcare.</p>	<p>Legal & Ethical Responsibilities</p>
<p>3. Identify religious, cultural, economic, and ethnic values as they impact healthcare and demonstrate respectful and empathetic interactions within a diverse population.</p>	<p>Communications</p>
<p>7. Foundation Standard 7: Safety Practices - Healthcare professionals will understand the existing and potential hazards to clients, coworkers, and self. They will prevent injury or illness through safe work practices and follow health and safety policies and procedures.</p>	<p>5 / 5</p>

1.	Identify major classes of microorganisms and explain and demonstrate infection control principles. (hand washing and basic gloving)	Infection Control
2.	Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations and comply with safety signs, labels and symbols.	Safety Precautions
3.	Apply safety techniques in the work environment to include body mechanics and ergonomics.	Safety Precautions
4.	Apply standard precautions as described in the rules and regulations set forth by the Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC).	Safety Precautions
5.	Practice fire safety related to a healthcare setting.	Safety Precautions
8.	Foundation Standard 8: Teamwork - Healthcare professionals will understand the roles and responsibilities of individual members as part of the healthcare team, including their ability to promote the delivery of quality healthcare. They will interact effectively and sensitively with all members of the healthcare team.	5 / 5
1.	Explain roles and responsibilities of team members.	Personal Qualities
2.	Respect interdisciplinary roles of team members and act responsibly as a team member.	Personal Qualities
3.	Recognize characteristics of effective teams and methods for building positive team relationships.	Personal Qualities
4.	Collaborate with others to formulate team objectives.	Personal Qualities
5.	Explore attributes and attitudes of an effective leader and techniques for managing team conflict.	Personal Qualities
9.	Foundation Standard 9: Health Maintenance Practices - Healthcare professionals will understand the fundamentals of wellness and the prevention of disease processes. They will practice preventive health behaviors among the clients.	2 / 2
1.	Discuss complementary and alternative health practices.	Wellness & Nutrition

2.	Discuss behaviors that are beneficial to health and wellness.	Wellness & Nutrition
10.	Foundation Standard 10: Technical Skills - Healthcare professionals will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate.	3 / 3
1.	Introduction to procedures for measuring and recording vital signs (temperature, pulse, and respiration). (Students will apply what is learned about TPR and add Blood Pressure in HS2)	Client Status
2.	Demonstrate use of Snellen chart.	Physical Exams Wellness & Nutrition
3.	Demonstrate first aid procedures. (Certification optional in level 1)	Emergency Care
11.	Foundation Standard 11: Information Technology Applications - Healthcare professionals will use information technology applications required within all career specialties. They will demonstrate use as appropriate to healthcare applications.	2 / 2
1.	Communicate using technology (fax, e-mail, and Internet) to access and distribute data and other information. (including assignments and online assessments)	Office Equipment
2.	Recognize technology applications in healthcare.	Health Information Technology