

HEALTH SCIENCE PACING

Health Science 1

Week 1

Class Orientation
Student / Teacher Expectations
School Safety Instructions
Teamwork (Standards 8.1 – 8.5)
Employability (Standards 4.1 – 4.4, 8.1, 8.2)

Week 2

Promotion of Safety – Chapter 10
(Standards 7.3 – 7.10)
Applying Body Mechanics and Ergonomics
Preventing Accidents and Injuries
Observing Fire Safety
Review School Safety Procedures

Week 3 – 5

History and Trends of Health Care –
Chapter 1
(Standard 3.1, 9.1-9.2)
History of Health Care
Trends in Health Care
Complementary and Alternative Health Practices

Week 6

Health Care Systems – Chapter 2
(Standard 3.2 – 3.4, 8.1)
Private Health Care Facilities
Government Agencies
Health Insurance Plans
Organizational Structure

Weeks 7 – 10

Careers in Health Care – Chapter 4 & Chapter 9
(Standards 4.1 – 4.4, 11.2)
Introduction of Health Careers
Levels of Education, Advancements
Health Science Career Pathways
Individual Career Research

Weeks 11 – 12

Personal Qualities of a Health Care Worker Chapter 3
(Standards 2.1 – 2.5, 4.1 – 4.2, 8.1 – 8.6, 9.1, 11.1)
Personal Appearance
Personal Characteristics
Effective Communication
Teamwork

Weeks 13 – 14

Legal & Ethical Responsibilities – Chapter 5
(Standards 5.1 – 5.2, 6.1 – 6.2)
Legal Responsibilities
HIPAA
Ethics

Week 14

Culture and Diversity – Chapter 6
(Standards 6.3)
Culture, Ethnicity, and Race

Weeks 15

Infection Control – Chapter 11
(Standards 7.1 - 7.2)
Major Classes of Microorganisms
Hand Washing and Basic Gloving
OSHA and CDC Regulations and Standards

Week 16 – 17

Vital Signs – Chapter 12
(Standards 10.1 – 10.2)
Measuring and Recording – Temperature, Pulse, and
Respiration
Measuring Visual Acuity (Snellen Chart)

Week 18

Review of Course Content

**Medical Terminology – Chapter 7
(Standards 1.5)
Medical Abbreviations
Word Parts

**Medical Math – Chapter 8
(Standard 1.1 – 1.4)
Roman Numerals
Systems of Measurement
Conversions of Temperature and Weights and
Measures Related to Healthcare
Military Time

HEALTH SCIENCE PACING

Health Science 2

Week 1

Class Orientation
Student / Teacher Expectations
School Safety Instructions
Teamwork (Standards 8.1 – 8.5)
Employability (Standards 4.1 – 4.3, 8.1 – 8.5)

Week 2 – 4

Promotion of Safety & Infection Control – Chapters 13 & 14
(Standards 7.1 – 7.4, 9.1-9.3)
Applying Body Mechanics
Preventing Accidents and Injuries
Understand Principles of Infection Control
Washing Hands
Observing Standard Precautions
Maintaining Transmission-Based Isolation Precautions
Implications of hazardous materials
Principles of basic emergency response in natural disasters or other emergencies

Week 5

Legal & Ethical Responsibilities – Chapter 5
(Standards 5.1 – 5.4, 6.1 – 6.4)
Legal Responsibilities
Ethics and Ethical Behaviors
Bioethical Issues Related to Healthcare
HIPAA
Advanced Directives
Patient's/Resident's Bill of Rights
Scope of Practice
Accurate Documentation and Record Keeping

Weeks 6

Health Care Systems – Chapter 2
(Standards 3.1 – 3.4, 11.1 – 11.4)
Factors Influencing Healthcare Delivery Systems
Responsibilities of Consumers

Impact of Emerging Issues
Organizational Structures in Healthcare

Week 7

Communication – Chapter 4:3
(Standards 1.1, 1.3, 2.1 – 2.4, 11.2)
Subjective and Objective Information
Elements of Written and Electronic Communication
Documentation and Reporting
Use of Medical Terminology and Medical Math in Communication

Weeks 8 – 11

Human Growth and Development – Chapters 8 & 10
(Standards 1.4 – 1.5, 2.1, 9.1 – 9.3)
Life Stages
Death and Dying
Human Needs
Geriatric Care
Introduction of Nursing Assistant Skills

Week 12 – 14

Vital Signs – Chapter 15
(Standards 1.1 – 1.3, 2.2, 10.1, 11.3)
Measuring and Record Vital Signs
(Blood Pressure, Height, and Weight)
Review of Previously Learned Vital Signs
(Temperature, Pulse, Respiration)
Recognizing Normal Ranges and Understanding the Data

Weeks 15 – 16

First Aid and CPR – Chapter 16
(Standards 7.5, 10.2 -10.3, 11.4)
Community Awareness Adult, Child, and Infant CPR

Automated External Defibrillator (AED)
First Aid Skills

** Will be taught throughout semester.

***Basic First Aid/CPR will be covered in Health Science 2**Medical Terminology – Chapter 7
(Standards 1.5)
Medical Abbreviations
Word Parts

**Medical Math – Chapter 8
(Standard 1.1 – 1.4)
Roman Numerals
Systems of Measurement
Conversions of Temperature and Weights and Measures Related to Healthcare
Military Time