



Correlation of
Health Science Concepts and Skills, Jacquelyn Rhine Marshall and Sue C. Roe
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to the
National Consortium for Health Science Education's
National Health Science Standards

STANDARD		CORRELATING PAGES
Foundation Standard 1: Academic Foundation Understand human anatomy, physiology, common diseases and disorders, and medical math principles.		
1.1	Human Anatomy and Physiology	
1.1.1	Describe the organization of the human body and directional terms.	
1.1.1a	Identify Levels of Organization <ul style="list-style-type: none">• Chemical• Cellular• Tissue• Organ• System• Organism	369-373
1.1.1b	Demonstrate anatomical position.	350-352, 364 (Multiple Choice #7, Short Answer #4)
1.1.1c	Identify body planes <ul style="list-style-type: none">• Sagittal• Midsagittal• Coronal / Frontal• Transverse / Horizontal	353-354, 364 (Short Answer #6)
1.1.1d	Use directional terms <ul style="list-style-type: none">• Anterior / Posterior• Medial / Lateral• Proximal / Distal• Superficial / Deep• Superior / Inferior• Ventral / Dorsal• Cephalic / Caudal	352-353
1.1.1e	Identify body cavities <ul style="list-style-type: none">• Abdominal• Cranial• Dorsal• Pelvic• Spinal• Thoracic• Orbital• Nasal	349-350, 356 (Multiple Choice #3)

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> • Oral 	
1.1.1f	Identify the components of the abdominal quadrants <ul style="list-style-type: none"> • Right upper • Right lower • Left upper • Left lower 	355
1.1.2	Identify basic structures and describe functions of human body systems.	
1.1.2a	Skeletal <ul style="list-style-type: none"> • Structures of the skeletal system <ul style="list-style-type: none"> ○ Distinguish between axial and appendicular skeletons ○ Describe long bone anatomy ○ Identify joint types and movement ○ Name and classify all bones (206) • Functions of the skeletal system <ul style="list-style-type: none"> ○ Structure and support ○ Muscle attachment and movement ○ Mineral storage ○ Hematopoiesis ○ Ossification 	379-384, 416 (Multiple Choice #5, #13), 417 (Critical Thinking #5, Language Skills)
1.1.2b	Muscular <ul style="list-style-type: none"> • Structures of the muscular system <ul style="list-style-type: none"> ○ Identify types of muscle tissue ○ Identify major muscle groups of neck, shoulder, chest, abdomen, back, arms, and legs • Functions of the muscular system <ul style="list-style-type: none"> ○ Body movement ○ Posture ○ Protection 	379-384, 416 (Multiple Choice #6)
1.1.2c	Integumentary <ul style="list-style-type: none"> • Structures of the integumentary system <ul style="list-style-type: none"> ○ Identify integumentary components ○ Label the layers of skin • Functions of the integumentary system <ul style="list-style-type: none"> ○ Vitamin D production 	377-379, 416 (Multiple Choice #7-8)

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> ○ Sensory organ ○ Infection protection ○ Temperature regulation ○ UV light protection 	
1.1.2d	<p>Cardiovascular</p> <ul style="list-style-type: none"> ● Structures of the cardiovascular system <ul style="list-style-type: none"> ○ Identify cardiovascular organs ○ Label the parts of the heart ○ Distinguish blood components ● Functions of the cardiovascular system <ul style="list-style-type: none"> ○ Blood flow through the heart and body ○ Transports nutrients, waste, antibodies, hormones, and gases ○ Cardiac conduction system 	395-400, 416 (Multiple Choice #12)
1.1.2e	<p>Lymphatic / Immune</p> <ul style="list-style-type: none"> ● Structures of the lymphatic system <ul style="list-style-type: none"> ○ Identify lymphatic organs ● Functions of the lymphatic system <ul style="list-style-type: none"> ○ Provide protection against disease ○ Movement of lymph fluid 	401-405, 415 (Multiple Choice #3, Short Answer #2)
1.1.2f	<p>Respiratory</p> <ul style="list-style-type: none"> ● Structures of the respiratory system <ul style="list-style-type: none"> ○ Identify respiratory organs ● Functions of the respiratory system <ul style="list-style-type: none"> ○ Gas exchange 	393-395, 416 (Multiple Choice #9)
1.1.2g	<p>Nervous</p> <ul style="list-style-type: none"> ● Structures of the nervous system <ul style="list-style-type: none"> ○ Identify organs of the nervous system ○ Identify structures of the special sense organs ○ Differentiate CNS and PNS ○ Differentiate sympathetic and parasympathetic ● Functions of the nervous system <ul style="list-style-type: none"> ○ Sensation ○ Movement ○ Processing 	385-387, 387-391
1.1.2h	Endocrine	392-393, 416 (Short Answer #3)

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> • Structures of the endocrine system <ul style="list-style-type: none"> ○ Identify endocrine glands • Functions of the endocrine system <ul style="list-style-type: none"> ○ Production of hormones ○ Regulation of body processes ○ Controls metabolism ○ Regulates growth, development, and maturation 	
1.1.2i	Digestive <ul style="list-style-type: none"> • Structures of the digestive system <ul style="list-style-type: none"> ○ Identify digestive organs in sequence ○ Differentiate between alimentary and accessory organs • Functions of the digestive system <ul style="list-style-type: none"> ○ Chemical and mechanical digestion ○ Absorption of nutrients ○ Excretion of waste 	405-407
1.1.2j	Urinary <ul style="list-style-type: none"> • Structures of the urinary system <ul style="list-style-type: none"> ○ Identify urinary organs ○ Identify gross and microscopic anatomy of the kidney • Functions of the urinary system <ul style="list-style-type: none"> ○ Process of urine formation ○ Urine composition ○ Homeostatic balance 	407-409, 416 (Short Answer #4)
1.1.2k	Reproductive <ul style="list-style-type: none"> • Structures of the reproductive system <ul style="list-style-type: none"> ○ Identify female reproductive organs ○ Identify male reproductive organs • Functions of the reproductive system <ul style="list-style-type: none"> ○ Formation of gametes ○ Production of hormones 	409-412, 416 (Multiple Choice #10, #14)
1.2	Diseases and Disorders	
1.2.1	Describe etiology, pathology, diagnosis, treatment, and prevention of common diseases and disorders, including, but not limited to the following:	394 (Extend Your Knowledge), 412, 426 (Did You Know?), 428-432, 433 (Multiple Choice #5), 435-439, 440-442, 444 (Multiple Choice #4), 436 (Extend Your Knowledge), 453

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> • Arthritis • Asthma • Cancer • Cataracts • Concussion / Traumatic Brain Injury (TBI) • Cystic Fibrosis • Diabetes mellitus • Dementia • Gastric ulcer • Hepatitis • Hypertension • Melanoma • Muscular Dystrophy • Myocardial Infarction • Sexually Transmitted Infection (STI) • Stroke / Cerebrovascular Accident (CVA) • Tuberculosis • Urinary Tract Infection (UTI) • Depression • Anxiety • Bipolar Disorder 	(Multiple Choice #4), 454 (Multiple Choice #12), 476-478, 505, 578-579
1.2.2	Describe biomedical therapies as they relate to the prevention, pathology, and treatment of disease. <ul style="list-style-type: none"> • Gene editing • Gene testing • Gene therapy • Immunotherapy • Immunizations • Stem cell research 	10, 438, 448-450
1.3	Medical Mathematics	
1.3.1	Demonstrate competency using basic math skills and mathematical conversions as they relate to healthcare.	
1.3.1a	Metric system <ul style="list-style-type: none"> • Kilo- • Centi- • Deci- • Milli- • Micro- 	323-327, 333 (Short Answer #4), 335 (Converting Measurements #1-10)
1.3.1b	Mathematical <ul style="list-style-type: none"> • Average • Ratios • Fractions 	300-309, 317-321, 332 (Multiple Choice #5, 10, and 13), 333 (Math Skills #4 and Language Skills), 334 (Decimals #5, Percentages #1-10, Ratios #1-5), 718-728, 729-730, 731 (Multiple

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> Percentages Addition / Subtraction Multiplication / Division 	Choice #1-7), 732 (Multiple Choice #8-15, Short Answer #1-5, Critical Thinking #1-6)
1.3.1c	Conversions <ul style="list-style-type: none"> Height (inches/meters) Weight/mass (pounds/grams) Length (inches/meters) Volume (ml/cc) Temperature (F/C) Household measurements (Tbsp/tsp/cup/oz) 	324-327, 335 (Converting Measurements #1-10)
1.3.2	Demonstrate the ability to analyze diagrams, charts, graphs, and tables to interpret healthcare results.	319-321, 333 (Critical Thinking #3)
1.3.3	Demonstrate use of the 24-hour clock/military time.	327-328, 329 (Multiple Choice #5-6), 332 (Short Answer #1), 333 (Critical Thinking #2 and 4), 335 (The 24-Hour Clock #1-15)
Foundation Standard 2: Communications		
Demonstrate methods of delivering and obtaining information, while communicating effectively.		
2.1	Concepts of Effective Communication	
2.1.1	Model verbal and nonverbal therapeutic communication. <ul style="list-style-type: none"> Active listening Silence Summarizing Reflecting 	230-261
2.1.2	Identify common barriers to communication.	236-240, 249-251, 253-254, 260 (Short Answer #1)
2.1.2a	Physical disabilities <ul style="list-style-type: none"> Aphasia Hearing loss Impaired vision Developmental level 	237-239
2.1.2b	Psychological barriers <ul style="list-style-type: none"> Attitudes Bias Prejudice Stereotyping 	236-237
2.1.2c	Language barriers	240
2.1.3	Distinguish between subjective and objective information.	254-255, 260 (Multiple Choice #7)
2.1.4	Interpret elements of the communication process using basic sender-receiver-message-feedback model.	240-241, 260 (Multiple Choice #15, Short Answer #4)

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STANDARD		CORRELATING PAGES
2.1.5	Modify communication to meet the needs of the patient/client and to be appropriate to the situation.	235, 239-240, 249-251, 261 (Critical Thinking #3)
2.1.6	Describe appropriate interactions with patients throughout various stages of psychosocial development.	100, 236-240
2.2	Medical Terminology	
2.2.1	Use common roots, prefixes, and suffixes to communicate information.	338-343
2.2.2	Interpret medical abbreviations to communicate information.	346-348, 364 (Medical Terms and Abbreviations #1-12), 704
2.3	Written Communication Skills	
2.3.1	Use proper elements of written and electronic communication (spelling, grammar, and formatting).	254-256, 696-713, 714 (Multiple Choice #1-7), 715 (Multiple Choice #8-15, Grammar Review #1-13, Critical Thinking #1-2)
2.3.2	Prepare examples of technical and informative writing.	255-256
2.3.3	Demonstrate appropriate use of digital communication in a work environment, such as email, text, and social media.	255-256
Foundation Standard 3: Systems		
Identify how key systems affect services performed and quality of care.		
3.1	Healthcare Delivery Systems	
3.1.1	Differentiate healthcare delivery systems and healthcare related agencies.	18-33, 35 (Multiple Choice #3 and 10, Short Answer #1)
3.1.1a	Types of practice settings <ul style="list-style-type: none"> • Acute care • Ambulatory care • Behavioral and mental health services • Home care • Long-term care • Medical and dental practices 	26-32
3.1.1b	Specialty medical and dental practices <ul style="list-style-type: none"> • Cosmetic surgery • Pulmonology • Surgical • Orthodontics 	29, 53-54, 421 and 423
3.1.1c	Government agencies <ul style="list-style-type: none"> • Centers for Disease Control and Prevention (CDC) • Centers for Medicare & Medicaid Services (CMS) • National Institutes of Health (NIH) 	18-33, 36 (Short Answer #7), 109-111, 532

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> • Occupational Safety and Health Administration (OSHA) • U.S. Department of Veterans Affairs (VA) • U.S. Food and Drug Administration (FDA) • U.S. Public Health Service (USPHS) 	
3.1.1d	Related organizations <ul style="list-style-type: none"> • American Cancer Society (ACS) • American Heart Association (AHA) • American Red Cross (ARC) • March of Dimes • World Health Organization (WHO) 	25-26, 36 (Short Answer #1), 602-603
3.1.2	Examine the healthcare consumer's rights and responsibilities within the healthcare system <ul style="list-style-type: none"> • Self-advocacy • Compliance • Patient's Bill of Rights 	32, 37 (Critical Thinking #4), 88-89, 105 (Critical Thinking #7), 127
3.1.3	Analyze the impact of emerging issues on healthcare delivery systems <ul style="list-style-type: none"> • Behavior/Mental Health • Bioethics • Epidemiology • Socioeconomics • Technology 	16-17, 421, 480-484, 526-527, 539
3.1.4	Analyze healthcare economics and related terms.	
3.1.4a	The history and role of health insurance and employer/employee benefits	18-23, 35 (Multiple Choice #2-3), 36 (Multiple Choice #10, Short Answer #6), 37 (Critical Thinking #2)
3.1.4b	Fundamental terms related to health insurance <ul style="list-style-type: none"> • Claim • Coinsurance • Co-payment • Explanation of Benefits (EOB) • Fraud • HIPAA • Medical Coding • Premium 	18-23, 36 (Short Answer #6), 91, 295 (Career Exploration)
3.1.4c	Types of insurance plans <ul style="list-style-type: none"> • Private health insurance • Managed care <ul style="list-style-type: none"> ○ Health Maintenance Organization (HMO) 	20-21, 21-22, 37 (Critical Thinking #2)

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> ○ Independent Practice Association (IPA) ○ Preferred Provider Organization (PPO) ● Government programs <ul style="list-style-type: none"> ○ Affordable Care Act (ACA) ○ Medicaid ○ Medicare ○ Tricare ○ Workers' Compensation 	
Foundation Standard 4: Employability Skills		
Use employability skills to enhance employment opportunities and job satisfaction.		
4.1	Personal Traits of the Health Professional	
4.1.1	Identify personal traits and attitudes desirable in a member of the career ready member of a health team. <ul style="list-style-type: none"> ● Acceptance of criticism ● Competence ● Dependability ● Empathy ● Enthusiasm ● Honesty ● Initiative ● Integrity ● Patience ● Positive attitude ● Responsibility ● Self-motivation ● Social and cultural competence ● Tact ● Team player ● Willingness to learn 	41, 79 (Critical Thinking #4), 83, 90-91, 256, 265-273, 276-293, 295 (Multiple Choice #3-4), 296 (Short Answer #1, 5, and 7)
4.1.2	Summarize professional standards as they apply to hygiene, dress, language, confidentiality and behavior.	265, 271, 272-274, 295 (Multiple Choice #2), 296 (Short Answer #1, Critical Thinking #1)
4.2	Employability Skills	
4.2.1	Apply employability/soft skills in healthcare. <ul style="list-style-type: none"> ● Chain of command ● Communication Skills ● Customer service ● Decision making ● Emotional Intelligence ● Flexible ● Organization 	40, 43-45, 85, 98-99, 104 (Short Answer #4), 206-209, 228 (Short Answer #3), 230-261, 262-297, 460 (Extend Your Knowledge), 494 (Multiple Choice #6)

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> • Problem Solving • Scope of practice • Time Management • Work Ethic 	
4.3	Career Decision-making	
4.3.1	Research levels of education, credentialing requirements, and employment trends in health professions.	45-48, 78-79 (Short Answer #7 and Critical Thinking #2) Education and credentialing requirements on pages 633-635, 655, 661, 669, 672, 677, 688
4.3.2	Distinguish differences among careers within a health science pathway. <ul style="list-style-type: none"> • Biotechnology research and development • Diagnostic services • Health informatics • Support services • Therapeutic services 	48-49, 50-62, 63-75, 78 (Short Answer #4-5)
4.4	Employability Preparation	
4.4.1	Develop components of a personal portfolio. <ul style="list-style-type: none"> • Community Service / Service Learning • Credentials • Leadership Examples • Mock Interview • Personal Statement • Professional/student organization memberships • Oral Report • Resume • Sample Projects • Technology Skills • Work-based Learning Documentation • Writing Sample 	277-283, 296 (Multiple Choice #6-8), 297 (Language Skills)
4.4.2	Identify strategies for pursuing employment <ul style="list-style-type: none"> • Employer websites • Internships • Personal networking • Social media 	282-284, 296 (Short Answer #8), 297 (Critical Thinking #4)
Foundation Standard 5: Legal Responsibilities		
Describe legal responsibilities, limitations, and implications on healthcare worker actions.		
5.1	Legal Responsibilities and Implications	

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STANDARD		CORRELATING PAGES
5.1.1	Analyze legal responsibilities and implications of criminal and civil law. <ul style="list-style-type: none"> • Abuse • Assault • Battery • Harassment • Invasion of privacy • Libel • Malpractice • Negligence • Slander • Tort 	85-86, 86 (Multiple Choice #5), 87-94, 100, 101 (Multiple Choice #4), 103 (Multiple Choice #3), 104 (Short Answer #1-2)
5.2	Legal Practices	
5.2.1	Apply standards for the safety, privacy and confidentiality of health information <ul style="list-style-type: none"> • HIPAA • Privileged communication 	91-92, 96
5.2.2	Describe advance directives.	89, 104 (Short Answer #5)
5.2.3	Summarize the essential characteristics of a patient's basic rights within a healthcare setting.	88-89
5.2.4	Differentiate informed and implied consent.	93, 104 (Short Answer #2)
5.2.5	Describe the concept of scope of practice.	98-99, 104 (Short Answer #4)
5.2.6	Interpret procedures for reporting activities and behaviors that affect the health, safety, and welfare of others (incident report).	155-156, 157 (Multiple Choice #5), 159 (Multiple Choice #1), 160 (Short Answer #4)
Foundation Standard 6: Ethics		
Understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.		
6.1	Ethical Practice	
6.1.1	Differentiate between ethical and legal issues impacting healthcare.	82-86, 86 (Multiple Choice #1)
6.1.2	Identify ethical issues and their implications related to healthcare. <ul style="list-style-type: none"> • Ethics committee • Euthanasia • Gene editing • Immunizations • In vitro fertilization • Organ donation/transplantation • Scope of practice 	10, 17 (Multiple Choice #6), 36 (Short Answer #4, Critical Thinking #1), 82-86, 98-99, 373 (Real Life Scenario), 439 (Extend Your Knowledge), 544, 549 (Critical Thinking #2)

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STANDARD		CORRELATING PAGES
6.2	Cultural, Social, and Ethnic Diversity	
6.2.1	Discuss religious, social, and cultural values as they impact healthcare. <ul style="list-style-type: none"> • Ageism • Ethnicity • Gender • Race • Religion 	100-101, 250-251, 461, 463 (Multiple Choice #4), 494 (Multiple Choice #11)
6.2.2	Demonstrate respectful and empathetic treatment of all patients/clients/families. <ul style="list-style-type: none"> • Civility • Customer service • Patient satisfaction 	59, 100, 101, 236-240
Foundation Standard 7: Safety Practices		
Identify existing and potential hazards to clients, co-workers, and self. Employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.		
7.1	Infection Control	
7.1.1	Explain principles of infection transmission.	164-174
7.1.1a	Identify classifications of pathogens <ul style="list-style-type: none"> • Bacteria • Fungi • Parasites • Protozoa • Viruses 	165-170, 171 (Multiple Choice #2-3), 195 (Multiple Choice #1 and 4), 196 (Multiple Choice #7, Short Answer #7, Critical Thinking #2)
7.1.1b	Describe characteristics of microorganisms <ul style="list-style-type: none"> • Aerobic • Anaerobic • Non-pathogenic • Pathogenic 	165-170, 196 (Multiple Choice #5)
7.1.1c	Recognize chain of infection	172-180, 196 (Multiple Choice #8, Short Answer #6)
7.1.1d	Describe mode of transmission <ul style="list-style-type: none"> • Common vehicle (air, food, water) • Direct • Healthcare-associated infections (nosocomial) • Indirect • Opportunistic • Vectors 	171, 172-174, 184-185, 196 (Short Answer #1)
7.1.2	Differentiate methods of controlling the spread and growth of pathogens.	174-180, 181-193

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STANDARD		CORRELATING PAGES
7.1.2a	Asepsis <ul style="list-style-type: none"> • Sanitization • Antisepsis • Disinfection • Sterile technique • Sterilization 	179-180, 196 (Multiple Choice #12, Critical Thinking #3)
7.1.2b	Standard precautions <ul style="list-style-type: none"> • Handwashing • Gloving • Personal Protective Equipment (PPE) • Environmental cleaning 	174-179, 184, 185-189, 196 (Short Answer #8)
7.1.2c	Isolation precautions <ul style="list-style-type: none"> • Transmission-based contact 	182-183
7.1.2d	Bloodborne pathogen precautions	182
7.1.2e	Vaccinations	10, 167-168, 190, 404, 443, 455 (Critical Thinking #7)
7.2	Personal Safety	
7.2.1	Apply personal safety procedures based on Occupational Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations.	108-122, 123-129, 160 (Short Answer #7), 182, 185, 190-191, 193 (Multiple Choice #4), 196 (Multiple Choice #10, 13, 14, 15, Short Answer #2 and 5)
7.2.2	Demonstrate principles of body mechanics during patient care. <ul style="list-style-type: none"> • Ambulating • Lifting • Positioning 	124-127, 130-143, 143-154, 157 (Multiple Choice #1-3), 160 (Short Answer #5)
7.2.3	Demonstrate and apply the use of personal protective equipment (PPE).	185-189
7.3	Environmental Safety	
7.3.1	Apply safety techniques in the work environment.	73, 106-161, 539-540, 663, 695 (Short Answer #5)
7.3.1a	Ergonomics	124-127, 129 (Multiple Choice #1), 160 (Multiple Choice #11)
7.3.1b	Patient/client/employee safety measures	123-129
7.3.1c	Safe operation of equipment	109, 112-117, 121, 134, 142-144
7.4	Common Safety Hazards	
7.4.1	Observe all safety standards related to the occupational exposure to hazardous chemicals standard (safety data sheets [SDS]).	117-118, 129 (Multiple Choice #3), 160 (Multiple Choice #14, Short Answer #7)
7.4.2	Comply with safety signs, symbols, and labels.	114, 117, 120, 183
7.5	Emergency Procedures and Protocols	

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STANDARD		CORRELATING PAGES
7.5.1	Practice fire safety in a healthcare setting.	114-116, 159 (Multiple Choice #4), 160-161 (Short Answer #1, Critical Thinking #3)
7.5.2	Apply principles of basic emergency response in natural disasters and other emergencies (safe location, contact emergency personnel, follow facility protocols).	113-114, 119, 160 (Critical Thinking #1)
Foundation Standard 8: Teamwork		
Identify roles and responsibilities of individual members as part of the healthcare team.		
8.1	Healthcare Teams	
8.1.1	Evaluate roles and responsibilities of team members.	41, 268-269
8.1.2	Identify characteristics of effective teams. <ul style="list-style-type: none"> • Collaboration • Defined roles • Effective communication • Effective leadership • Measurable processes and outcomes • Mutual respect • Shared goals 	41, 206, 233, 235, 267-269, 296 (Short Answer #5)
8.2	Team Member Participation	
8.2.1	Recognize methods for building positive team relationships.	267-269
8.2.2	Analyze attributes and attitudes of an effective leader.	53, 268, 297 (Critical Thinking #7-8)
8.2.2a	Characteristics <ul style="list-style-type: none"> • Focused and driven • Interpersonal skills • Motivates and inspires • Organized and balanced 	267, 268
8.2.2b	Types <ul style="list-style-type: none"> • Autocratic • Democratic • Laissez faire 	268
8.2.2c	Roles <ul style="list-style-type: none"> • Communicates vision • Leads change • Manages accountability 	266, 268, 269
8.2.3	Apply effective techniques for managing team conflict. <ul style="list-style-type: none"> • Communicate assertively • Gather the facts • Mediate disputes 	268, 270-271

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STANDARD		CORRELATING PAGES
	<ul style="list-style-type: none"> Negotiate resolutions Set clear expectations 	
8.2.4	Evaluate why teamwork is an important part of healthcare and how it improves patient care.	267-268, 296 (Short Answer #5)
Foundation Standard 9: Health Maintenance Practices		
Differentiate between wellness and disease. Promote disease prevention and model healthy behaviors.		
9.1	Healthy Behaviors	
9.1.1	Promote self-care behaviors of health and wellness. <ul style="list-style-type: none"> Exercise Nutrition Relationships Sleep habits Stress management Weight control 	458-461, 469-471, 483-484, 494 (Short Answer #2 and 5), 495 (Critical Thinking #1-2)
9.1.2	Examine various aspects of behavioral health. <ul style="list-style-type: none"> Anxiety Depression Substance abuse Suicide 	476-484, 494 (Multiple Choice #12 and 14, Short Answer #1 and 6)
9.1.3	Describe public health strategies for prevention of disease. <ul style="list-style-type: none"> Community health education outreach programs Immunizations Medical, dental, and mental health screenings Routine physical exams Self-care behaviors 	470-471, 486-487, 489-491, 495 (Critical Thinking #1, 2, and 4)
9.1.4	Investigate complementary and alternative health practices as they relate to wellness and disease prevention. <ul style="list-style-type: none"> Eastern medicine Holistic medicine Homeopathic medicine Manipulative medicine 	461, 487-488, 494 (Short Answer #4 and 7)
9.2	Healthcare Across the Lifespan	
9.2.1	Discuss physical, mental, social and behavioral development and its impact on healthcare.	496-523
9.2.2	Identify socioeconomic determinants of health and wellness.	19, 465

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STANDARD		CORRELATING PAGES
<p>*Foundation Standard 10: Technical Skills Apply and demonstrate technical skills and knowledge common to health career specialties. <i>*Additional technical skills may be included in a program of study based on career specialties.</i></p>		
10.1	Technical Skills	
10.1.1	Demonstrate procedures for measuring and recording vital signs in both normal and abnormal ranges – including but not limited to: <ul style="list-style-type: none"> • Blood pressure • Height and weight • Oxygen saturation • Pain • Pulse • Respirations • Temperature 	552-567, 568-577, 578-585, 586-593, 597 (Short Answer #2-4, Critical Thinking #1-2)
10.1.2	Obtain training or certification in: <ul style="list-style-type: none"> • Automated external defibrillator (AED) • Cardiopulmonary resuscitation (CPR) • First aid • Foreign body airway obstruction (FBAO) 	600-608, 610-619
<p>Foundation Standard 11: Information Technology in Healthcare Apply information technology practices common across health professions.</p>		
11.1	Key Principles, components and practices of Health Information Systems	
11.1.1	Identify components of an electronic health record (EHR) and/or electronic medical record (EMR). <ul style="list-style-type: none"> • Diagnostic tests • History and physical • Medications • Patient demographics • Progress notes • Treatment Plan 	530-532
11.1.2	Explore different types of health data collection tools. <ul style="list-style-type: none"> • Medical wearable devices • Patient monitoring equipment • Phone apps 	534-535
11.1.3	Create electronic documentation that reflect timeliness, completeness, and accuracy.	59, 109, 298, 530-532

**Correlation of *Health Science Concepts and Skills* to the National Consortium for Health Science Education's
National Health Science Standards—page 17**

STANDARD		CORRELATING PAGES
11.1.4	Examine information systems policies, procedures, and regulations as required by national, state, and local entities. <ul style="list-style-type: none">• Facility policies• HIPAA• Medical coding• Social media	59, 66-67, 91, 298, 528-529