

Standards Alignment: Common Core English Language Arts and Literacy / Health Science

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
<i>Standard 1: Academic Foundation</i>			
1.1 Human Structure and Function			
1.11 Classify the basic structural and functional organization of the human body.	RST 9-10.1, RST 9-10.4, RST 9-10.5, RST 11-12.1, RST 11-12.3, RST 11-12.4, RST 11-12.5, L 11-12.6		Draw an outline of a body, label basic structures and main organs.
1.12 Recognize body planes, directional terms, quadrants, and cavities.	RST 9-10.1, RST 9-10.4, RST 9-10.5, RST 11-12.1, RST 11-12.3, RST 11-12.4, RST 11-12.5, L 11-12.6		Draw an outline of a body, label planes, quadrants, and cavities.
1.13 Analyze the basic structure and function of the human body.	RST 9-10.1, RST 9-10.4, RST 9-10.5, RST 11-12.1, RST 11-12.3, RST 11-12.4, RST 11-12.5, L 11-12.6		Identify each body system, with its main functions and organs.
1.2 Diseases and Disorders			
1.21 Describe common diseases and disorders of each body system (prevention, pathology, diagnosis, and treatment).	RST 11-12.1, RST 11-12.2, RST 11-12.4, RST 11-12.7, L 11-12.6, WHST 9-12.2.A-F, WHST 9-12.4, WHST 9-12.9, SL 11-12.2, SL 11-12.4		Identify common diseases and disorders of each system. Write a paper on how diseases begin (i.e., lung cancer).

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1.22 Recognize emerging diseases and disorders.	L 11-12.6		Analyze case studies of microorganisms or symptoms to determine diseases or disorders. Analyze medical diseases that emerge following a natural disaster (i.e., tsunamis, hurricanes, earthquakes, etc.).
1.23 Investigate biomedical therapies as they relate to the prevention, pathology, and treatment of disease.	RST 9-10.1, RST 9-10.2, RST 9-10.4, RST 9-10.5, RST 9-10.9, RST 11-12.1, RST 11-12.2, RST 11-12.4, RST 11-12.7, RST 11-12.8, RST 11-12.9 ,SL 11-12.2, WHST 11-12.7.8.9, WHST 9-10.7.8.9, RI 11-12.7		Choose a biomedical therapy; research and write a paper describing the therapy and rationale for usage.
1.3 Medical Mathematics			
1.31 Apply mathematical computations related to healthcare procedures (metric and household, conversions and measurements).			
1.32 Analyze diagrams, charts, graphs, and tables to interpret healthcare results.	RI 11-12.7		Graph vital signs. Document on in-take and output record.
1.33 Record time using the 24-hour clock.			

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
<i>Standard 2: Communications</i>			
2.1 Concepts of Effective Communication			
2.11 Interpret verbal and nonverbal communication.	SL 9-10.1.C, SL 11-12.1.C, SL 11-12.1.C, SL 11-12.1.D		Communicate with patients in a variety of ways (sign board, speaking, pointing, sign language, etc.). Students contribute to a mind map of nursing concepts/topics and discuss.
2.12 Recognize barriers to communication.			Demonstrate communication skills when speaking to non-English speaking patients. Communicate with patients with any physical or cultural barriers (patients with stroke, blindness, deafness, etc.). Demonstrate a professional demeanor (i.e., attitude). Give directions to a physically disabled individual.
2.13 Report subjective and objective information.	SL 9-10.4, SL 11-12.4, WHST 9-10.2.A-F, WHST 11-12.2.A-E, WHST 9-10.4, WHST 11-12.4, WHST 9-10.10, WHST 11-12.10		Report information about a patient to a charge nurse (subjective – what patient states; objective – feel, hear, see, touch). Demonstrate a holistic perspective (i.e., taking a patient’s religious views into account). Journal on clinical experiences. Focus free writing in the classroom that day.

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2.14 Recognize the elements of communication using a sender-receiver model.			Participate in the telephone game and analyze process. Simulation activities for speaking and listening.
2.15 Apply speaking and active listening skills.	SL 9-10.1, SL 9-10.2, SL 9-10.3, SL 9-10.4, SL 9-10.5, SL 9-10.6, SL 11-12.1, SL 11-12.2, SL 11-12.3, SL 11-12.4, SL 11-12.5, SL 11-12.6		Telephone game and analyze process. Simulation activities for speaking and listening.
2.2 Medical Terminology			
2.21 Use roots, prefixes, and suffixes to communicate information.	L 11-12.6, L 11-12.5.B, L 11-12.4.A-D, RST 11-12.4, WHST 1.1.C		Recognize roots, prefixes, and suffixes as presented (i.e., flash cards). Play medical spelling games (i.e., sparkle).
2.22 Use medical abbreviations to communicate information.	RST 11-12.4, L 11-12.6		Make flash cards with abbreviations and symbols. Decipher abbreviations in a scenario.
2.3 Written Communication Skills			
2.31 Recognize elements of written and electronic communication (spelling, grammar, and formatting).	WHST 11-12.6, WHST 11-12.10		Spelling tests. Write a research paper in APA format.
<i>Standard 3: Systems</i>			
3.1 Healthcare Delivery System			
3.11 Understand the healthcare delivery system (public, private, government, and non-profit).	RST 11-12.2, RST 11-12.9		Focus free writing to identify health care delivery systems. Discuss healthcare delivery systems.
3.12 Explain the factors influencing healthcare delivery systems.	SL 11-12.4, WHST 11-12.4		Focus free writing to identify health care delivery systems. Discus healthcare delivery systems.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
3.13 Describe the responsibilities of consumers within the healthcare system.	SL 11-12.4, WHST 11-12.4		Discuss consumers' responsibilities in the healthcare system. Focus free writing on responsibilities of consumers in the healthcare system.
3.14 Explain the impact of emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare delivery systems.	SL 11-12.4, WHST 11-12.2.A-E, WHST 11-12.4, RST 11-12.4		Write a research paper on emerging issues.
3.15 Discuss common methods of payment for healthcare.	SL 11-12.4, WHST 11-12.2.A-E, WHST 11-12.6, WHST 11-12.7, RST 11-12.4		Discuss Diagnosis Related Group (DRG) codes, Medicaid, Medicare, and insurance. Divide class into groups to present (orally or in writing) information on Medicaid, Medicare, insurance, etc.
Standard 4: Employability Skills			
4.1 Personal Traits of Healthcare Profession			
4.11 Classify the personal traits and attitudes desirable in a member of the healthcare team.	WHST 11-12.10		Conduct a role play of personal traits and attitudes. Focus free writing on personal traits and attitudes of healthcare professionals. Write a journal entry on self-assessment (traits possessed and traits that still need to be developed).

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
4.12 Summarize professional standards as they apply to hygiene, dress, language, confidentiality, and behavior.	SL11-12.4, WHST 11-12.4		Demonstrate improper attire and behavior (dress, nails, hair, etc.). Focus free writing on personal traits and attitudes of healthcare professionals. Write a journal entry on self-assessment (traits possessed and traits that still need to be developed).
4.2 Employability Skills			
4.21 Apply employability skills in healthcare.	WHST 11-12.4, WHST 11-12.5, SL 11-12.6		Develop a professional portfolio including documentation, professional letters, resume, etc. Revise portfolio as additional skills and experiences are acquired.
4.3 Career Decision-making			
4.31 Discuss levels of education, credentialing requirements, and employment trends in healthcare.	SL 11-12.4, WHST 11-12.4		Compare and contrast college and university programs.
4.32 Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development).	WHST 11-12.2.A-E, WHST 11-12.6, WHST 11-12.7, RST 11-12.4, RST 11-12.7, SL 11-12.4, L 11-12.6		Compare and contrast a minimum of two health science career pathways.
4.4 Employability Preparation			
4.41 Develop components of a personal portfolio.	WHST 11-12.4, WHST 11-12.5, WHST 11-12.6		Develop a professional portfolio including documentation, professional letters, resume, etc. Revise portfolio as additional skills and experiences are acquired. Present PowerPoint presentation of portfolio.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
4.42 Demonstrate the process for obtaining employment.	SL 11-12.4, WHST 11-12.4, L 11-12.6		Self-assessment career inventory. Practice interview skills through role plays or mock interviews. Demonstrate job application skills (completing job applications, present resume, cover letter, etc.).
<i>Standard 5: Legal Responsibilities</i>			
5.1 Legal Implications			
5.11 Analyze legal responsibilities.	RST 11-12.4, RST 9-10.8, SL 11-12.4, WHST 11-12.9		Understand legal terminology and definitions. Analyze legal/ethical case studies on medical concerns (i.e., transplants). Analyze resident and patient rights.
5.12 Apply procedures for accurate documentation and record keeping.	WHST 11-12.4, L 11-12.1.A-B, L 11-12.2.A-B		Maintain correct documentation on patient charts and records.
5.2 Legal Practices			
5.21 Apply standards for Health Insurance Portability and Accountability Act (HIPAA).			Present a HIPAA presentation.
5.22 Describe advance directives.	RST 11-12.4, SL 11-12.4, WHST 11-12.4		Review and discuss advance directive documents.
5.23 Summarize the Patient's Bill of Rights.	RST 11-12.4, SL 11-12.4, WHST 11-12.4		Review and discuss Patient's Bill of Rights.
5.24 Understand informed consent.	RST 11-12.4, SL 11-12.4, WHST 11-12.4		Review and discuss informed consent documents.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
5.25 Explain laws governing harassment, labor and scope of practice.	SL 11-12.4, WHST 11-12.4		Complete a sexual harassment and violence in the workplace training.
<i>Standard 6: Ethics</i>			
6.1 Ethical Boundaries			
6.11 Differentiate between ethical and legal issues impacting healthcare.	RST 11-12.4, RST 9-10.8, SL 11-12.4, WHST 11-12.9		Analyze legal/ethical case studies on medical concerns (i.e., transplants). Analyze resident and patient rights. Debate euthanasia.
6.12 Recognize ethical issues and their implications related to healthcare.	RST 11-12.9		Analyze legal/ethical case studies on medical concerns (i.e., transplants). Analyze resident and patient rights. Debate euthanasia.
6.2 Ethical Practice			
6.21 Apply procedures for reporting activities and behaviors that affect the health, safety, and welfare of others.	WHST 11-12.3, RST 11-12.3, SL 11-12.4		Apply the procedures for difficult situations (i.e., when a patient falls). Understand and apply emergency procedures.
6.3 Cultural, Social, and Ethnic Diversity			
6.31 Understand religious and cultural values as they impact healthcare.	SL 11-12.3		Demonstrate a holistic perspective (i.e., taking a patient's religious views into account).
6.32 Demonstrate respectful and empathetic treatment of ALL patients/clients (customer service).	SL 11-12.1.D, SL 11-12.4, SL 11-12.6		Role play customer service situations (i.e., phone calls, visitors, giving directions, etc.). Simulations/games of customer service responses.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
<i>Standard 7: Safety Practices</i>			
7.1 Infection Control			
7.11 Explain principles of infection control.	SL 11-12.4, WHST 11-12.4, WHST 11-12.7, RST 11-12.4, L 11-12.6		Focus free writing on PPE (personal protective equipment). Demonstrate proper PPE usage.
7.12 Describe methods of controlling the spread and growth of microorganisms.	SL.11-12.4, WHST 11-12.2.A-E, WHST 11-12.4, WHST 11-12.7, L 11-12.6		Research and write a paper on a selected microorganism.
7.2 Personal Safety			
7.21 Apply personal safety procedures based on OSHA and CDC regulations.	RST 11-12.4		Take 10-hour online OSHA course. Internet review of CDC regulations. Demonstrate appropriate hand washing procedures.
7.22 Apply principles of body mechanics.			Demonstrate proper body mechanics and transferring techniques.
7.3 Environmental Safety			
7.31 Apply safety techniques in the work environment.			Respond appropriately to safety questions.
7.4 Common Safety Hazards			
7.41 Comply with safety signs, symbols, and labels.	RST 11-12.4		Recognize signs and symbols as displayed (i.e., flash cards).
7.42 Understand implications of hazardous materials.	RST 11-12.4		Review fire and rescue hazardous materials.
7.5 Emergency Procedures and Protocols			
7.51 Practice fire safety in a healthcare setting.			Demonstrate appropriate use of fire extinguisher equipment.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
7.52 Apply principles of basic emergency response in natural disasters and other emergencies.	RST 11-12.3, SL 11-12.4		Create a public service announcement.
<i>Standard 8: Teamwork</i>			
8.1 Healthcare Teams			
8.11 Understand roles and responsibilities of team members.	WHST 11-12.4, WHST 11-12.10, SL 11-12.4,		Focus free writing on roles and responsibilities of healthcare team members.
8.12 Recognize characteristics of effective teams.	RST 11-12.9		Teambuilding activities (i.e., trust walks, untie knots, etc.).
8.2 Team Member Participation			
8.21 Recognize methods for building positive team relationships.	RST 11-12.9		Teambuilding activities (i.e., trust walks, untie knots, etc.). Discuss mentoring.
8.22 Analyze attributes and attitudes of an effective leader.	RST 11-12.9, WHST 11-12.9, SL 11-12.4		Analyze personal leadership style (e.g., Kuder, MO Connections). Compare and contrast leadership styles. Role play various leadership styles. Participate in a CTSO (Career and Technical Student Organization).
8.23 Apply effective techniques for managing team conflict.	RST 11-12.9		Role play conflict situations and solutions.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
<i>Standard 9: Health Maintenance Practices</i>			
9.1 Healthy Behaviors			
9.11 Apply behaviors that promote health and wellness.			Maintain up to date immunizations. Remain drug and alcohol free. Demonstrate proper nutrition and exercise behaviors.
9.12 Describe strategies for the prevention of diseases including health screenings and examinations.	SL 11-12.4, RST 11-12.4, WHST 11-12.2.A-E, WHST 11-12.4, L 11-12.6		Write an essay or speech describing prevention strategies.
9.13 Discuss complementary (alternative) health practices as they relate to wellness and disease prevention.	SL.11-12.4, RST 11-12.4, WHST 11-12.2.A-E, WHST 11-12.4, L 11-12.6		Discuss alternative therapies (i.e., acupuncture, holistic approaches, herbal supplements, etc.).
<i>Foundation 10: Technical Skills</i>			
10. 1 Technical Skills			
10.11 Apply procedures for measuring and recording vital signs including the normal ranges.	RST 11-12.3, WHST 11-12.3, L 11-12.6		Demonstration on measuring vital signs (i.e., heartbeat, blood pressure, etc.). Document recording procedures.
10.12 Apply skills to obtain training or certification in CPR, AED, FBAO and first aid.			Complete CPR and first aid training.

Healthcare Standards	Common Core Standards	Explanation or notes for alignment	Evidence of mastery Student should be able to:
<i>Foundation 11: Information Technology Applications</i>			
11.1 Health Information Management			
11.11 Utilize current computer hardware and software.	WHST 11-12.6, SL 11-12.5		Discuss electronic medical records (EMR). Utilize computer technology to complete research.
11.12 Identify records, files and technology applications common to healthcare.	WHST 11-12.6, SL 11-12.5		Discuss electronic medical records (EMR).
11.13 Enter data into computer files using reference tools to insure accuracy.	WHST 11-12.6		Explore technology used in various settings.
11.2 Information Technology			
11.21 Communicate using technology to access and distribute data and other information.	WHST 11-12.6, SL 11-12.5		Appropriately utilize email, fax, pagers, etc.
11.22 Maintain the security and confidentiality of electronic patient information adhering to workplace policies.			Explore and follow workplace policies regarding confidentiality of electronic patient information.

Codes for Common Core English Language Arts and Literacy are:

L = Language

RI = Reading for Informational Text

RST = Reading for Literacy in
Science and Technical Subjects

SL = Speaking and Listening

WHST = Writing for Literacy in
History/Social Studies, Science,
and Technical Subjects