

Grades K, 1, 2, 3, 4, 5

Adopted 2013

HSF/Health Science Foundations

HSF1. Academic Foundations in Health Science: Students will apply the academic subject matter required for proficiency within their area. HSF1

- a. Relate the knowledge of structures to the functions of the human body. HSF1.A
 - e. Identify parts of the human body. HSF1.A.1.E
 - e. Name basic directional terms in relation to the human body. HSF1.A.2.E
 - e. Match individual organs to the correct body systems. HSF1.A.3.E
- b. Identify diseases and disorders which affect the human body and related biomedical therapies. HSF1.B
 - e. Describe signs of illness. HSF1.B.1.E
 - e. Identify methods that promote recovery from human diseases and disorders. HSF1.B.2.E
- c. Use appropriate mathematical tools as they apply to the practice of healthcare. HSF1.C
 - e. Demonstrate accurate measurement of length, volume, and mass of discrete objects. HSF1.C.1.E
 - e. Read information contained in diagrams, charts, graphs and tables. HSF1.C.2.E
 - e. Tell time using a 12-hour clock. HSF1.C.3.E
- d. Use knowledge of life stages to interact effectively with patients, clients, and residents. HSF1.D
 - e. Identify life stages throughout develop. HSF1.D.1.E
 - e. Identify ways in which people grow and develop. HSF1.D.2.E
 - e. Identify basic human needs. HSF1.D.3.E

HSF2. Communications within Healthcare Settings: Students will apply various methods of giving and obtaining health care information and communicate effectively both orally and in writing. HSF2

- a. Apply the concepts of effective verbal and nonverbal communication in the healthcare industry. HSF2.A
 - e. Identify types of verbal and nonverbal communication used with patients. HSF2.A.1.E
 - e. Identify barriers to communication with patients and healthcare workers (i.e. body language, interrupting). HSF2.A.2.E
 - e. Discuss why knowing the difference between opinions vs. factual information is important when dealing with illness. HSF2.A.3.E
 - e. Identify the sender and the receiver in communication between a doctor and a patient. HSF2.A.4.E
 - e. List qualities of a good listener and speaker in healthcare scenarios. HSF2.A.5.E
- b. Utilize medical terminology appropriate to a specific health science occupation. HSF2.B
 - e. Identify roots, prefixes and suffixes in words related to healthcare. HSF2.B.1.E
 - e. Find simple abbreviations used by medical professionals. HSF2.B.2.E
 - e. Describe illness or injury. HSF2.B.3.E
- c. Develop written communication skills to meet healthcare industry standards. HSF2.C
 - e. Use correct spelling, grammar and punctuation writing medical stories. HSF2.C.1.E
 - e. Read charts of health information. HSF2.C.2.E

HSF3. Systems in Healthcare: Students will illustrate how a healthcare worker's role fits into a department, an organization, and the overall healthcare environment, identifying how key systems influence services performed and quality of care. HSF3

- a. Delineate elements and examples of healthcare delivery systems focusing on funding sources, organizational mission and purpose and types of facilities and services. HSF3.A
 - e. Identify healthcare facilities within their communities and tasks performed by people who work there. HSF3.A.1.E
- c. Describe the responsibilities of consumers within the healthcare system (respect rights of healthcare workers and other patients, responsible healthcare habits, becoming an educated advocate for yourself). HSF3.C
 - e. Identify ways in which people appropriately use consumer healthcare. HSF3.C.1.E
- e. Discuss common methods of payment for healthcare. HSF3.E
 - e. Recognize payment is made for exchange of health care services. HSF3.E.1.E

HSF4. Employability Skills for Healthcare Workers: Students will demonstrate how employability skills enhance their employment opportunities and job satisfaction. HSF4

- a. Demonstrate personal traits of healthcare professionals and positive work behaviors for retaining employment in the healthcare industry. HSF4.A
 - e. Describe clothing worn and hygiene behaviors of a variety of healthcare workers. HSF4.A.1.E
 - e. Identify traits of a good healthcare worker. HSF4.A.2.E
 - e. Demonstrate appropriate behavior in varied settings (i.e., classroom, home, clinics and hospitals). HSF4.A.3.E
- b. Examine healthcare opportunities to develop a quality career plan. HSF4.B
 - e. Identify different kinds of medical jobs. HSF4.B.1.E
 - e. Describe jobs in healthcare. HSF4.B.2.E
 - e. Describe the difference between on-the-job training and formal education for a medical career. HSF4.B.3.E
 - e. Identify personal interests, skills and aptitudes that lead to success in healthcare careers. HSF4.B.4.E
- c. Demonstrate skills related to seeking and applying for employment to find and obtain a healthcare job. HSF4.C
 - e. Name examples of sources for locating healthcare job openings. HSF4.C.1.E

HSF5. Legal Responsibilities of Healthcare Providers: Students will identify the legal responsibilities, limitations and implications of actions within the healthcare delivery setting, performing duties according to regulations, policies, laws and legislated rights of clients. HSF5

- a. Interpret and evaluate legal responsibilities and implications in a variety of healthcare settings. HSF5.A
 - e. Describe right and wrong in medical stories. HSF5.A.1.E
 - e. Recognize laws and legal responsibilities of citizens and healthcare workers. HSF5.A.2.E
- b. Examine and assess standards for Health Insurance Portability and Accountability Act (HIPAA). HSF5.B
 - e. Identify circumstances that require privacy. HSF5.B.1.E
 - e. Determine situations in which sharing private information is necessary and/or beneficial. HSF5.B.2.E
- c. Defend patient responsibilities and rights in the healthcare setting. HSF5.C
 - e. Differentiate between responsibilities and rights for self and medical workers. HSF5.C.1.E

HSF6. Ethical Practices for Healthcare Environments: Students will apply accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare environment and perform quality healthcare delivery. HSF6

- a. Develop practices within the school, community and healthcare setting that respect ethical boundaries. HSF6.A
 - e. Identify right from wrong in personal health. HSF6.A.1.E
 - e. Recognize that people have differing opinions, beliefs and feelings about healthcare. HSF6.A.2.E
 - e. Recognize appropriate boundaries for various roles (i.e., student, teacher, parent, doctor, nurse). HSF6.A.3.E
- b. Demonstrate respect and appreciation for diversity of individuals within the healthcare setting. HSF6.B
 - e. Discuss ways in which medical patients are similar and different. HSF6.B.1.E
 - e. Demonstrate respectful behavior toward others in a healthcare setting. HSF6.B.2.E
 - e. Accept personal differences when interacting with others in school, home, community, or healthcare environments. HSF6.B.3.E

HSF7. Safety within Healthcare Settings: Students will analyze the existing and potential hazards to clients, co-workers, and self, working to prevent injury or illness through safe work practices and follow health and safety policies and procedures. HSF7

- a. Explain principles and practices of infection control in healthcare. HSF7.A
 - e. Describe how germs can make people ill. HSF7.A.1.E
 - e. Name body fluids that can carry germs. HSF7.A.2.E
 - e. Explain the importance of hand washing and cough/sneeze etiquette. HSF7.A.3.E
- b. Describe personal safety procedures and equipment used in healthcare settings. HSF7.B
 - e. Identify personal safety equipment used in healthcare settings. HSF7.B.1.E
- c. Analyze environmental safety practices within the healthcare setting. HSF7.C
 - e. Demonstrate safety techniques used in healthcare settings. HSF7.C.1.E
- d. Discuss common safety hazards impacting the healthcare industry. HSF7.D
 - e. Recognize signs, symbols, and labels related to safety. HSF7.D.1.E
 - e. Identify hazardous materials and unsafe situations. HSF7.D.2.E
- e. Examine emergency procedures and protocols within the healthcare setting. HSF7.E
 - e. Develop a fire prevention and safety practices plan for clinic and hospital. HSF7.E.1.E
 - e. Recognize when a medical emergency exists. HSF7.E.2.E

HSF8. Teamwork Skills for Healthcare Workers: Students will identify the roles and responsibilities of individual members as part of the healthcare team, including their ability to promote the delivery of quality healthcare, interacting effectively and sensitively with all members of the healthcare team. HSF8

- a. Identify roles and responsibilities of healthcare team members. HSF8.A
 - e. Describe what it means to belong to a group that protects and heals others. HSF8.A.1.E
 - e. Practice working as a team to help others. HSF8.A.2.E
 - e. Describe member roles of different teams. HSF8.A.3.E
- b. Recognize characteristics of effective team relationships. HSF8.B
 - e. Recognize characteristics of a positive team working in the medical field. HSF8.B.1.E
 - e. Explain situations in which conflict occurs in healthcare settings. HSF8.B.2.E
 - e. Participate in team building activities. HSF8.B.3.E
- c. Demonstrate leadership skills to accomplish organizational goals in a healthcare setting as well as a local HOSA chapter. HSF8.C
 - e. Identify leaders in the medical field. HSF8.C.1.E
 - e. Practice being a leader in classroom/school setting. HSF8.C.2.E

HSF9. Health Maintenance Practices: Students will analyze the fundamentals of wellness and the prevention of disease processes, practicing preventive health behaviors among clients. HSF9

- a. Apply health science concepts to identify behaviors that promote health and wellness. HSF9.A
 - e. Identify personal hygiene behaviors that promote health and wellness. HSF9.A.1.E
 - e. Identify food and physical activity choices that promote health and wellness. HSF9.A.2.E
- b. Describe and apply strategies for the prevention of diseases including health screenings and examinations. HSF9.B
 - e. Demonstrate proper hand washing and personal etiquette as it relates to disease prevention. HSF9.B.1.E
 - e. Identify ways to prevent the spread of germs that cause infectious disease through food, water, air, blood and touch. HSF9.B.2.E
- c. Analyze complementary (alternative) health practices as they relate to wellness and disease prevention. HSF9.C
 - e. Define alternative health practices. HSF9.C.1.E
 - e. Locate resources from home, school and community that provide valid health information. HSF9.C.2.E

HSF10. Technical Skills: Students will apply technical skills common to each health science career pathway, demonstrating skills and knowledge as appropriate. HSF10

- a. Apply diagnostic procedures for measuring and recording vital signs including the normal ranges. HSF10.A
 - e. Identify the four main vital signs. HSF10.A.1.E
 - e. Explain why vital signs are routinely measured in healthcare settings. HSF10.A.2.E
 - e. Identify equipment used to measure vital signs. HSF10.A.3.E
- b. Obtain training or certification in skills necessary to function as a healthcare professional. HSF10.B
 - e. Describe situations in which an emergency exists and identify sources of appropriate help. HSF10.B.1.E
 - e. Demonstrate correct steps for completing a 911 call. HSF10.B.2.E
 - e. Define and provide examples of technical skills used by healthcare professionals. HSF10.B.3.E
- c. Apply standard precautions to prevent the spread of infection. HSF10.C
 - e. Identify when and how to wash hands. HSF10.C.1.E
 - e. Explain the importance of covering a cough. HSF10.C.2.E
 - e. Identify protective equipment used in health care settings. HSF10.C.3.E
 - e. Explain the relationship between germs and illness. HSF10.C.4.E
- d. Apply health informatics skills to maintain accurate patient records. HSF10.D
 - e. Define the term medical record. HSF10.D.1.E
 - e. Identify data items found in a medical record. HSF10.D.2.E
 - e. Differentiate between fact and opinion. HSF10.D.3.E

HSF11. Health Information Technology for Healthcare Applications: Students will use information technology applications required within all career specialties. They will demonstrate use as appropriate to healthcare applications. HSF11

- a. Demonstrate Health Information Management knowledge and skills. HSF11.A
 - e. List questions asked when someone does not feel well. HSF11.A.1.E
- b. Support privacy and confidentiality of health information. HSF11.B
 - e. Differentiate between personal information and public information. HSF11.B.1.E
 - e. Explain importance of keeping passwords private and logging off at end of session for healthcare workers. HSF11.B.2.E
- c. Apply basic computer literacy skills to health science occupations. HSF11.C
 - e. Identify common computer hardware components and mobile devices used by healthcare professionals. HSF11.C.1.E
 - e. Use a mouse, touchpad screen and keyboard to interact with computer applications. HSF11.C.2.E
 - e. Locate information about patient care organized in a hierarchical outline structure. HSF11.C.3.E
 - e. Compare information from multiple sites to identify questionable medical information. HSF11.C.4.E
 - e. Identify times when it is inappropriate to access social media. HSF11.C.5.E