

Student Profile – Health Science 1 -5550

Student Name _____ Teacher Name _____

School Year/Semester _____ Date began _____ Date Completed _____ Grade _____

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to "**Standard Precautions**" and learn about confidentiality through HIPPA. As students are guided through healthcare **career exploration**, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses. To advance to Health Science 2, it is recommended that students should have an 80% score or higher in Health Science 1, or teacher recommendation

General Requirements – This course is recommended for students in grades 10-12. There are no pre- requisites required, however Biology is recommended as a pre or co-requisite. Students should have an interest in learning about all facets of healthcare.

Credit: CP - 1 unit =(120 hours) or 2 units = (240 hours).

Directions: Evaluate students using the applicable rating scales below:

3- Understands concept/can apply and perform **independently**

2- **Moderate** knowledge- understands the concept/can perform the task completely with **limited supervision**

1 – **Limited** knowledge /requires addition instruction and or **close supervision**

0 – Has not received instruction in this area / **no experience or knowledge of this task**

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.

1. _____ **Identify** components and solve computations of the metric and household systems of measure.
2. _____ **Calculate** mathematical conversions of temperature and weights and measures related to healthcare.
3. _____ **Record** time using 24-hour clock.

4. _____ **Recognize** and convert traditional numbers to roman numerals.
5. _____ **Define** and recognize entry level Medical Terminology and terms related to healthcare.

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.**

1. _____ **Interpret** verbal and nonverbal communication.
2. _____ Recognize barriers to communication.
3. _____ Recognize elements of communication using a sender-receiver model.
4. _____ **Apply** speaking and active listening skills.
5. _____ Recognize elements of written and electronic communication (spelling, grammar, formatting, and confidentiality).

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.

1. _____ Describe healthcare history and medical advances.
2. _____ **Identify** healthcare delivery systems (public, private, government, and nonprofit) and explain factors that influence them. (including emerging issues)
3. _____ Describe responsibilities of consumers within the healthcare system.
4. _____ **Identify** the importance of an **organizational structure** in health care.

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.

1. _____ Classify personal traits or attitudes desirable in a member of the healthcare team.
2. _____ **Summarize and demonstrate** professional standards and characteristics as they apply to hygiene, dress, language, confidentiality, and behavior.
3. _____ **Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development).**
4. _____ Evaluate levels of education, credentialing requirements, employment opportunities, workplace environments, and career earnings.

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.

1. _____ **Explain** practices that could result in malpractice, liability, and/or negligence (to include civil law, criminal law, torts, and contracts.)
2. _____ **Describe** standards for Health Insurance Portability and Accountability Act (HIPAA).

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.

1. _____ **Differentiate** between ethical and legal issues impacting healthcare.
2. _____ **Recognize** ethical and legal issues and their implications related to healthcare.
3. _____ **Identify** religious, cultural, economic, and ethnic values as they impact healthcare and demonstrate respectful and empathetic interactions within a diverse population.

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.

1. _____ **Identify** major classes of microorganisms and explain and demonstrate infection control principles. (hand washing and basic gloving)
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.
3. _____ **Apply** safety techniques in the work environment to include body mechanics and ergonomics.
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).
5. _____ **Practice** fire safety related to a healthcare setting.

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.

1. _____ **Explain** roles and responsibilities of team members.
2. _____ Respect interdisciplinary roles of team members and act responsibly as a team member.
3. _____ Recognize characteristics of effective teams and methods for building positive team relationships.
4. _____ **Collaborate** with others to formulate team objectives.
5. _____ Explore attributes and attitudes of an effective leader and techniques for managing team conflict.

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.

1. _____ **Discuss complementary and alternative health practices.**
2. _____ Discuss behaviors that are beneficial to health and wellness.

***Foundation Standard 10: Technical Skills**

Healthcare professionals will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate.

1. _____ **Introduction to** procedures for measuring and recording vital signs.
2. _____ **Demonstrate** procedure for taking and charting temperature and height and weight.
3. _____ **Demonstrate** use of Snellen chart.
4. _____ **Demonstrate** first aid procedures. (Certification optional in level 1)

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.

1. _____ **Communicate** using technology (fax, e-mail, and Internet) to access and distribute data and other information. (including assignments and online assessments)
2. _____ Recognize technology applications in healthcare.
3. _____ Evaluate the validity of web-based resources.