

Student Profile – Health Science 2 -5551

Student Name _____ Teacher Name _____

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

Description: Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about **“Transmission Based Precautions”** and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn about the stages of life and **Maslow’s Hierarchy** of needs. Students will learn how law and ethics are **applied** in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in **First Aid and CPR** in this course. Career pathways and scenarios are introduced through each section. Students in this course should further their knowledge of healthcare careers and future goals by participating in a **job shadowing experiences**. This course provides a foundation for further advancement in Health Science. It is recommended that students should score an 80% or higher in this course to advance to Clinical Study. **General Requirements:** This course is recommended for students in grades 11-12. The pre-requisites to this course are successful completion of Health Science 1, Sports Medicine 1, or EMS 1.

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. _____ **Analyze** diagrams, charts, graphs, and tables to interpret healthcare results.
2. _____ **Perform** mathematical applications to determine vital sign applications and basic pharmacology equations.
3. _____ **Recognize** physical, mental, social, and emotional development through the life span and identify patient needs at each developmental stage.
4. _____ **Identify** stages of death and dying.

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. _____ **Report** subjective and objective information.
2. _____ **Use medical terminology and medical math to communicate information. Oral and written.**
3. _____ Recognize elements of written and electronic communication (spelling, grammar, formatting, and confidentiality).
4. _____ **Document, report, and communicate** in a straightforward, understandable, accurate, and timely manner. (understanding how to correct errors, read labels and report information and data)
5. _____ **Apply** active speaking and listening skills.

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. _____ **Explain** factors influencing healthcare delivery systems. (Example: Affordable Care Act, aging populations etc..)
2. _____ **Discuss** common methods of payment for healthcare to include Medicaid, Medicare, TRICARE, private insurance, worker's compensation, etc.
3. _____ **Describe responsibilities of consumers** within the healthcare system related to admission, discharge, and follow-up.
4. _____ **Explain the impact** of emerging issues such as technology, epidemiology, genetics, bioethics, and socioeconomics on healthcare delivery systems.

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. _____ **Demonstrate** process for obtaining employment.
1. _____ **Demonstrate** employability skills (as they apply to hygiene, dress, language, confidentiality, behavior and work ethic)
2. _____ Expand components of a personal **portfolio** (letter of introduction, resume, healthcare project, writing sample, work-based learning, oral presentation, service learning, credentials, technology, and leadership experience).
3. _____ **Participate** in healthcare **work-based learning** experiences (guest speakers, virtual tours, job shadowing, blood drives, community service projects, etc.).

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. _____ Analyze legal responsibilities and explain laws governing harassment, labor and **scope of practice**.
2. _____ **Apply** procedures for accurate documentation and record keeping.
3. _____ **Apply** standards for Health Insurance Portability and Accountability Act (**HIPAA**).
4. _____ **Describe advance directives**, informed consent and explore the Patient's and Residents Bill of Rights.

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. _____ Discuss **bioethical issues** related to healthcare.
2. _____ **Apply ethical behaviors** in healthcare including personal, professional, and organizational ethics.
3. _____ Discuss **procedures for reporting** activities and behaviors that affect health, safety, and welfare of others.

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. _____ **Demonstrate** principles of infection control related to **Transmission Based** Precautions (gowns, gloves, masks, etc). Recognize the difference between Transmission Based Precautions and Standard Precautions.
2. _____ Define and **understand language** associated with Infection control, including medical and surgical asepsis.
3. _____ **Apply** principles of body mechanics and patient safety during transfers and positioning and in all areas of healthcare activities.
4. _____ Discuss implications of **hazardous materials** and recognize Safety Data Sheets (SDS).
5. _____ Comply with safety signs, symbols and labels.
6. _____ Summarize principles of **basic emergency response in natural disasters** or other emergencies

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. _____ Act responsibly as a team member

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. _____ **Apply** behaviors that promote **health and wellness**.
2. _____ Describe strategies for **prevention of diseases** including health screenings and examinations.
3. _____ **Apply** practices that promote prevention of disease and injury.

***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. _____ **Apply** procedures for **measuring and recording vital signs** (blood pressure, height, and weight) including recognition of normal ranges and understanding what the data means.
2. _____ **Apply** skills to obtain training or certification in adult, child, and infant cardiopulmonary resuscitation (**CPR**) and automated external defibrillator (**AED**).
3. _____ Demonstrate **First Aid** skills for certification if needed or not received 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. _____ Identify records and files common to the healthcare setting. (including electronic health record -EHR).
2. _____ Use health record data collection tools (such as input screens, document templates)
3. _____ Create documentation in the health record that reflects timeliness, completeness, and accuracy while adhering to information systems policies and procedures at the local, state, and national and organizational level.
4. _____ Recognize technology applications in healthcare. (including file storage)
5. _____ Differentiate types and content of health records. (patient, pharmacy, laboratory etc.)
6. _____ Demonstrate appropriate methods to correct inaccurate information/errors personally entered into EHR.