Student Profile – Health Science 3 -5552

Student Name _____ Teacher Name _____

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

Course Description:
Health Science 3 acquaints students with basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. This is a very "hands on" course and students will learn through projects and activities in the classroom. Skill procedures and foundation standards are reviewed and integrated throughout the program. Job shadowing is encouraged .This course does not count as a lab science.

General Requirements: This course is recommended for students in grades 11 or 12. Required pre-requisites are: Health Science 1 or Sports Medicine 1. Students are recommended to be First Aid and CPR certified prior to this course. Students should be familiar with general medical terminology as well as technical skills associated with vital signs. (Skills learned in HS2 or SM1). This is the third course in a 4 course sequence for Health Science.

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. _____Classify the basic structural and functional organization of the human body (tissue, organ, and system).
2. _____ Recognize body planes, directional terms, quadrants, and cavities.
3. _____ Analyze the basic structure and function of the human body.
4. _____ Research common diseases and disorders of each body system (prevention, pathology, diagnosis, and treatment).
5. _____ Research emerging diseases and disorders.
6. _____ Investigate biomedical therapies as they relate to the prevention, pathology, and treatment of disease.

7. _____ Apply mathematical computations related to healthcare procedures (metric and household, conversions and measurements).
8. _____ Analyze diagrams, charts, graphs, and tables to interpret healthcare results.
9. _____ Record time using the 24-hour clock.
10. _____ Complete Labs – dissections – clay models – class presentations as assigned.

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. **_____Use medical terminology and medical math to communicate information. Oral and written.**
2. **_____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.

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** 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 i**n 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. **_____Apply** procedures for accurate documentation and record keeping.
2. **_____Apply** 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. _____Discuss **bioethical issues** related to disease.
2. **_____Apply ethical behaviors** in healthcare including personal, professional, and organizational ethics.
3. _____Apply **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 using standard precautions in relation to the disease process and prevention.
2. _____Comply with safety signs, symbols and labels.

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. _____Describe strategies for **prevention of diseases** including health screenings and examinations.
2. **_____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. _____**Revisit** procedures for **measuring and recording vital signs** including recognition of normal ranges and understanding what the data means in relation to body systems and disease.

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.