

Health Science Careers I

Rationale Statement:

This course is designed to empower high school students to take charge of and set a course for their future. It will also prepare them to graduate with marketable skills and real-world work connection. The Department of Labor predicts that 8 of the 20 fastest growing occupations are in healthcare service. The need for healthcare professionals in the US is expected to increase by 27% by the year 2014. The course allows students to recognize their unique abilities relating to healthcare careers and assists them to find a pathway to success.

Suggested Grade Level: 10-12

Topics covered:

- Career exploration
- Healthcare delivery system
- Communication in healthcare
- Legal / Ethical responsibilities of a healthcare worker
- Safety practices in the healthcare environment

Indicator # 1: Identify health career options, characteristics and key employability skills using the career decision-making process.	
Bloom's Taxonomy Level	Standard and Examples.
Analyzing	HC1 1.1 Compare careers within the health science career pathways. Examples: <ul style="list-style-type: none">• Identify pathways within health science cluster• Classify careers in each pathway• Report on a career in each pathway
Analyzing	HC1 1.2 Examine levels of education, credentialing requirements, employment opportunities, workplace environments, and career growth potential. Examples: <ul style="list-style-type: none">• Identify two health science careers of interest and compare job duties and benefits• Select a health science career of interest and shadow a healthcare worker in that career• Analyze careers of interest to match student personality and talent

Understanding	<p>HC1 1.3 Classify personal traits or attitudes desirable in a member of the healthcare provider.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Define respectful and empathetic behavior appropriate in a healthcare setting • Discuss solutions to problems using critical thinking skills independently and in teams • Explain the benefits and potential consequences of accepting responsibility for own actions
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Indicator # 2: Examine the healthcare delivery system and teamwork.	
Bloom's Taxonomy Level	Standard and Examples.
Understanding	<p>HC1 2.1 Understand the healthcare delivery system.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Describe an organizational chart of a healthcare facility • Identify the career roles within various healthcare facilities • Explain impact of emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare delivery systems • Discuss common methods of payment for healthcare, including third party payers, managed care, and governmental programs.
Applying	<p>HC1 2.2 Demonstrate roles and responsibilities of team members.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Communicate verbally and non-verbally with team colleagues to assure a best outcome for the client • Collaborate with others to formulate team objectives • Complete assigned tasks in a timely and effective manner as a responsible team member • Actively listen to other team members • Recognize characteristics of effective teams

Indicator # 3: Apply communication skills needed in a healthcare setting.

Bloom's Taxonomy Level	Standard and Examples.
Applying	<p>HC1 3.1 Examine subjective and objective information to communicate patient status.</p> <p>Examples:</p> <ul style="list-style-type: none">• Utilize SOAP charting format to interpret communication• Dramatize a situation where a patient is in pain and interpret subjective symptoms• Discuss problems that occur when healthcare workers write incorrect information in the patient's record
Understanding	<p>HC1 3.2 Comprehend speaking and listening skills using the sender-receiver model.</p> <p>Examples:</p> <ul style="list-style-type: none">• Illustrate the sender-receiver model in a communication poster or through role playing• Discuss the potential of problems to occur when information is not received as it was intended• Give an example of a patient/healthcare provider communication barrier• Explain how to use listening techniques in patient care• Explain correct reflection, restatement, and clarification techniques when listening to a patient

Indicator # 4: Examine legal / ethical responsibilities and limitations of the healthcare worker.	
Bloom's Taxonomy Level	Standard and Examples.
Understanding	<p>HC1 4.1 Explain practices that could result in malpractice, liability, and/or negligence.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Define privileged communication and confidentiality • Discuss Professional Standards • Understand scope of practice
Understanding	<p>HC1 4.2 Explain the Health Insurance Portability and Accountability Act (HIPAA).</p> <p>Examples:</p> <ul style="list-style-type: none"> • Define implication of HIPAA law • Dramatize a situation showing implications of a breach of confidentiality • Prepare a presentation explaining the HIPAA law
Analyzing	<p>HC1 4.3 Examine ethical and legal issues and the implications on health care.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Dramatize a legal or ethical situation • Draw a Venn Diagram illustrating medical ethical and legal issues • Describe implications of unethical behavior • Dramatize a situation that requires use of one of the rights from the Patients' Bill of Rights • Discuss implications of failure to use the Patients' Bill of Rights
Analyzing	<p>HC1 4.4 Examine religious and cultural values as they impact ethical issues in healthcare.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Discuss the impact of religions and cultures on those giving and receiving health care • Illustrate what one believes are some of the more prominent values in today's society • Demonstrate respect of an individual's cultural, social, and ethnic diversity

Indicator # 5: Apply safety practices in the healthcare environment.	
Bloom's Taxonomy Level	Standard and Examples.
Applying	<p>HC1 5.1 Demonstrate methods of controlling microorganism growth (standard precautions).</p> <p>Examples:</p> <ul style="list-style-type: none"> • Demonstrate handwashing with aseptic techniques • Demonstrate use of personal protective equipment including isolation procedures • Demonstrate donning and removing sterile gloves and setting up a sterile treatment tray • Demonstrate cleaning of a hard surface contaminated with body fluid and disposal of contaminated waste • Illustrate an exposure incident with correct safety actions using protocol for exposure incidents
Applying	<p>HC1 5.2 Apply principles of body mechanics and ergonomics in the healthcare environment.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Interpret the acronym STABLE • Demonstrate proper body mechanics to prevent injury • Identify injuries that occur when proper body mechanics are not utilized