



Health Careers 2: Engagement Syllabus - 14002

Instructor

Brenda Merkel, DBA, RRT
11766 364th Ave
Leola, SD 57456

Cell Phone – (605)380.7015
Email: Brenda.Merkel@k12.sd.us

Course Description

Description:

Health Science Careers II: Engagement will help a student discover and develop marketable and real-world skills that are essential to all health care workers. This course will cover real world skills such as infection control, disease, diagnosis, treatment, hands on skills, and documentation.

Aim:

Health Science Careers II: Engagement is the second cluster course in the Health Science career cluster. Completion of Health Science Careers II: Engagement prepares a student to participate in Medical Terminology and/or a pathway courses in any of the Health Science pathways: Biotech Research and Development, Therapeutic Services, Health Informatics, Diagnostics or Support Services.

Topics Covered:

- Safety Practices
- Vital Signs
- Medical Math
- First Aid

Place within the program of study: Grade Level: 10, 11, 12

Length: Semester long, 50 minute periods, asynchronous

Prerequisite: None

Instructional Philosophy and Instructional Delivery Plan

Expectations for student performance: Students are expected to meet all of the course goals and be able to demonstrate their understanding of the underlying concepts.

Any work turned in post due date, shall have 10 points taken off immediately and then 10 points per week following. After two weeks of late work, the grade automatically goes to 50% and then if not turned in by the third week post due date, a 0 will be given.

How the instruction will be delivered: The class will be presented through Blackboard and supported with two interactive video sessions. The instruction will include video demonstrations done by students, class discussions, hands-on learning, activities and projects.

How students will work: Students will be assigned activities and projects that will require them to work independently and in groups.

How will students be evaluated: Activities and projects will be scored on rubrics, if applicable. A final written assessment will be given.

How late assignments will be graded:

All work assignments, activities, labs, etc. will be due on Fridays at 12:00 pm midnight.

Any work turned in post due date, assignments will be given an automatic 80% points After one week of late work, the grade automatically goes to 70% and then if not turned in by the second week following due date, a 0 will be given.

Plagiarism / Fabrication / Cheating, etc. listed in the DIAL Virtual School Student Policy:

- First offense: Student will be given a verbal warning and a chance to redo the assignment. The district e-mentor / facilitator will be notified.
- Second offense: Grade weights will be changed, tests are proctored, and will receive a zero on the assignment. The district e-mentor / facilitator will be notified.

Course Goals

Students will learn how to:

- A. Explore career options in the health science.
- B. Analyze careers in the health sciences in respect to job duties, training and qualifications needed.
- C. Identify safety issues within the healthcare environment.
- D. Demonstrate basic technical skills representative of entry level healthcare jobs.
- E. Analyze soft skills needed in healthcare careers.
- F. Apply skills to an authentic situation in a healthcare facility.

Health Care Skill Standards

HS2 1: Identify and apply principles of infection control.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 1.1 Understand and Investigate the chain of infection.
Four Extended Thinking	HS2 1.2 Apply the prevention of pathogen transmission.

HS2 2: Discuss disease, diagnosis, and treatment.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 2.1 Differentiate disease concept with reference to Centers for Disease Control and National Institute of Health.
Three Strategic Thinking	HS2 2.2 Evaluate and assess patient/residents' health.
Two Skill/Concept	HS2 2.3 Examine current treatment modalities for conditions including but not limited to obesity, heart disease, cancer, and respiratory.

HS2 3: Demonstrate hands-on patient/residents' care skills.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	HS2 3.1 Apply procedures for monitoring, measuring, and recording vital signs.
Two Skill/Concept	HS2 3.2 Apply First Aid/Cardiopulmonary Resuscitation (CPR), and Automated External Defibrillator (AED)
Four Extended Thinking	HS2 3.3 Demonstrate knowledge of direct patient/residents' care skills.

HS2 4: Demonstrate documentation standards and findings.

<i>Webb Level</i>	<i>Sub-indicator</i>
Three Strategic Thinking	HS2 4.1 Demonstrate use of technological documentation standards by entering data on the electronic medical record or paper.
Three Strategic Thinking	HS2 4.2 Differentiate between subjective and objective healthcare data to communicate patient/residents' status.

HS2 5: Utilize medical mathematics skills needed in healthcare work.

<i>Webb Level</i>	<i>Sub-indicator</i>
Two Skill/Concept	HS2 5.1 Apply mathematical computations related to healthcare procedures.
Three Strategic Thinking	HS2 5.2 Analyze diagrams, charts, graphs and tables to interpret healthcare data.

