

Randleman High School

Health Science I

Spring 2022

INSTRUCTOR INFORMATION:

Molly Welch, CPhT, AAS

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School phone: (336) 498-2682 ext. 45121

Planning block: Second Block

Available before or after school as needed

General Information

Course Description: This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Biology is recommended as preparation for this course.

Course Objectives/Competencies

More specifically, upon completion of this course, the student should be able to:

1.00 Understand structural organization of the body and initial roles of the first responder.

- 1.01 Understand types of body tissues.
- 1.02 Understand anatomical structural organization.
- 1.03 Understand how to recognize and respond to emergencies as a first responder.

2.00 Understand the body's support exchange systems.

- 2.01 Understand the structures, functions, and disorders of the skeletal system.
- 2.02 Understand the structures, functions, and disorders of the muscular system.
- 2.03 Understand the structures, functions, and disorders of the integumentary system.

3.00 Understand the body's nutrient exchange and communication systems.

- 3.01 Understand the structures, functions, and disorders of the digestive system.
- 3.02 Understand the structures, functions, and disorders of the urinary system.
- 3.03 Understand the structures, functions, and disorders of the nervous system.
- 3.04 Understand the structures, functions, and disorders of the sensory system.

4.00 Understand the body's hormone control systems.

- 4.01 Understand the structures, functions, and disorders of the lymphatic system.
- 4.02 Understand the structures, functions, and disorders of the endocrine system.
- 4.03 Understand the structures, functions, and disorders of the male and female reproductive systems.

Materials:

- One 3-ring 1" binder
- Dividers with tabs for each specific unit
- Loose-leaf paper
- Highlighters
- Pencils
- Pens
- Colored pencils
- 200 3x5 index cards

Category	Description	Percentage of Grade
Major Assignments	Unit Tests and projects	60%
Minor Assignments	Classwork assignments, partner work, quizzes, participation	40%

Your final exam will be given at the end of the semester and counts as 25% of your final course grade. It is a STATE EXAM and cannot be exempted.

GRADING SCALE:	A	90-100
	B	80-89
	C	70-79
	D	60-69
	F	Below 60

Notebook Check: Notebook checks will occur at the end of every objective and will be included in your grade. The following will be evaluated:

- Organization of class work, worksheets, study guides, and handouts for each objective.

*****Notebook must be in order upon review to receive full credit.***

Projects: There are several projects during the semester that you will be expected to present. Participation in all parts of the project, including the presentation, is expected.

ATTENDANCE POLICY: Refer to RCSS and RHS policies in the student handbook. Please be here every day.

LATE WORK: All late work will be accepted until the end of the grading period. You will have 1 day grace period after the due date with no points taken off. After 2 days, all work will be accepted for 50% credit.

Expectations and Goals: For the student who is interested or might be interested in the medical field, this course provides the student the opportunity to prepare themselves for perspective careers. The expectation for the individual student is to always try his/her very best and seek out every possible learning opportunity with the goal being successful completion of the course. Respect is always expected and if the individual student has a specific issue they are encouraged to discuss with the teacher at an appropriate time.

CLASSROOM EXPECTATIONS: In addition to the rules listed in the Student Handbook, the following expectations will apply in my class and behavior will determine the need for additional classroom management strategies:

- Always be on time, on task, and prepared to learn EVERY DAY.
- Always respect me, the classroom, other students, and yourself.
- Always be involved, your participation is expected EVERY DAY.
- Always be responsible for your own learning.
- Clean up after yourself and your peers.

Mrs. Welch's Cell Phone Policy: There is a time and a place for the use of technology in my classroom. Cell phones are not permitted for use during instructional time. There will be times when you will be allowed to use them for learning, research, study games, etc. I will let you know when use of a cellular device is appropriate. In addition, there should be no use of any social media platform during class. Cell phones will be put in the cell phone holder during class time. If you do not feel comfortable placing them in the holder, they may also go in the box underneath it.

Mrs. Welch's Honesty Policy: If you are caught cheating on an exam or classwork, you, and the student you are sharing work with will automatically receive a zero on the assigned work. In addition, your parents/guardians will be notified. There will be no opportunity to do any extra credit.

Success for each student is attainable. If you have any questions, feel free to contact me via school email (m1welch@randolph.k12.nc.us) or school phone (336.498.2682 Ext. 45121).

I am looking forward to a great semester with each one of you! ☐