

**HEALTH SCIENCES I (CORE)**  
**DeSoto County Schools**  
**Career and Technology Center East**  
**8890 Deerfield Dr.**  
**Olive Branch, MS 38654**

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**Course Description:**

Health Sciences I (Core) introduces students to the theory and practical applications of tasks related to employment in the field of health science. Students will cover topics such as safety in the workplace, infection control, health care systems, and the vital organs of the human body. The course offers insight into careers in health care as well as educational requirements and the professional, legal, and ethical responsibilities involved. This course is taught for 2 semesters, and earns 1.0 Carnegie unit each semester

The two year Health Sciences program includes a minimum of 100 hours of clinical-type experience to be obtained by the program's completion. This clinical-type experience can include: tours of health-care facilities, guest speakers, participation in health fairs or community service, laboratory practice, demonstration in the classroom, and observation or job shadowing experiences in medical facilities.

**Course Content for Health Sciences 1 (Core):**

Unit	Unit Name	Hours
1	Course Orientation and Professional Organizations	7
2	Safety and Infection Control	35
3	Health Care Systems, Legal and Ethical Practices	25
4	Communication and Teamwork	28
5	Body Organization, Covering, Support, and Movement	45
6	Vital Organs and Protection	42
7	Intake and Elimination	40
8	Control, Regulation, and Coordination	33
9	Reproduction and Health Maintenance Practices	25

**Required Materials:**

- 1" binder with dividers to be kept in the classroom
- 2"-3" binder for class notes and PowerPoint presentations
- Pen or pencil and paper
- 2 packs of index cards (3x5)
- Occasionally students will need poster board or tri-fold board for projects

- 1 box Kleenex
- 1 bottle of disinfecting wipes such as Lysol or Clorox
- 1 package of either plates, cups, or plastic silverware (or hand sanitizer)
- Optional power/charging cord for student's cellphone

**Additional Learning:**

Students will be instructed on American Heart Association Basic Life Support for Health Care Providers (CPR) and will be given the opportunity to pay for certification. Certification is optional. We also take a field trip in the spring to Medical Educational Research Institute (MERI) in Memphis, TN.

**Assessment and Grading Scale:**

Assessments will include written and oral tests, medical terminology quizzes, individual and group projects, homework, class/lab participation, bellwork, guest speakers, current events, and clinical journal/clinical papers. There are plenty of opportunities in my class to earn grades.

Tests comprise a large portion of the student's grade. The tests can be oral, written, or on computer. They will include multiple choice and matching questions, fill-in-the blank questions, and short answer questions. The test itself focuses not only on basic understanding of the information, but will also focus on application of the information. So for example, the students will learn about blood pressure, what it is/definition and how the body creates it (physiology). They will learn about diseases related to each body system (pathophysiology). Then, they should be able to apply the information to a situation such as if Bob's bp is 180/95, what can happen to the body, how would you expect it to be treated, and Bob's prognosis. We teach very specific information and it can be found in our main textbook, *Diversified Health Occupations, 8<sup>th</sup> Ed.* Each desk will be assigned a textbook, and if the student needs to take it home, they must check-out the book daily.

Medical terminology is an 18-week series in which students will learn medical terminology roots, prefixes, and suffixes, along with abbreviations and meanings. On Monday, they will receive that lesson's information. On Friday, the students will have a quiz on the information.

Bellwork is a daily assignment that they students receive as soon as they come to class. The purpose of bellwork is to use all instructional time. Bellwork is related to the previous day's information or information for that day's class. Bellwork allows the student approximately 10 minutes to arrive to class, get settled, and then focus on this class's topics. Bellwork is a cumulative grade for each 9 weeks. The student starts with a 100 and as long as they do the required bellwork assignments, they will continue to earn the 100. Should they not do the bellwork, at the end of each 9 week's, their "Bellwork" grade will reflect the lack of effort and work.

Letter grades will be determined using the guideline set forth in the handbook. Grades will be weighted by percentages according to the assigned work category, in second column below.

<u>Letter Grades</u>		<u>Weighted Percentages</u>	
A	90-100	9 weeks test	20%
B	80-89	Tests	50%
C	70-79	Quizzes	30%
D	65-69	Projects	30%
F	below 65	Participation	30%

Late work will be accepted within 2 days of the assignment due date. After 2 days, the student and teacher must have discussed and made arrangements. **Assignments have due dates and those dates are not arbitrary nor are they at the will of the student to change.** Late work will have a 15 point penalty, meaning that an 85 is the highest grade the student can earn.

Each student is responsible for their own work, supplies, ect. **Each student is responsible to get assignments for work missed if they are absent.** Each student will have their own folder in a cabinet located in the back of the room. Their folder will have missed work, returned work, graded work, and letters home. They are responsible for checking this daily and when they miss class. I will **NOT** remind them of their responsibilities.

**Attendance to my class is essential.** Our information builds upon itself, just as the human body builds itself from cell to body systems. It is difficult for students to “keep up” in class if they routinely miss information and therefore miss key components of the topics. I post all my PowerPoint presentations on my teacher website through CTCE. (The students have access to this information all year long. They should utilize this resource, the textbook, and their classmates when they miss class. I briefly review previous information but I will **NOT** repeat a day’s lecture due to absenteeism.) If the student needs help, please come see me and I will do the best I can. Student attendance is specifically addressed in the Student and Parent Handbook that each student receives at the beginning of the school year. **Caregivers are supposed to sign and return an acceptance letter that the student handbook was received and read.**

All Health Science Core students will take the MS-CPAS2, or the Mississippi Career Planning and Assessment System, Edition 2 in mid-April. This is a statewide test given to Career Technical Education students. The results are used to measure technical-skill attainment. Students must pass the CPAS with a 70 in order to return for the second year of the program.