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| ***I.*** | ***Course Description:*** | Orientation to Health Science is a one credit course to assist students in making informed decisions regarding their college and career goals. Students will be given the opportunity to apply knowledge and skills related to the Health Science Cluster. The course also includes information concerning the practices for promoting health, wellness, and disease prevention. Instruction and learning activities are provided in a classroom laboratory setting using hands-on experiences with the equipment, materials, and technology appropriate to the course content and in accordance with current practices.  Career and technical student organizations are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.  Students will also gain a multitude of knowledge related to medical terminology as well as abbreviations in order to better understand the medical fields.  **No Prerequisite required for this course.** |
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| ***II.*** | ***Course Objectives:*** | Upon completion of this course the student will be able to:  1. Give an overview of health science and how it relates to their career goals.  2. The student will be able to utilize communication and leadership skills and identify characteristics of a health care professional.  3. The student will be able to identify strong work ethics and utilize soft and hard skills and discuss the importance of both.  4. The student will be able to correctly spell and identify meanings of medical terms and common medical abbreviations. |
| ***III.***  ***IV.*** | ***Course Goals:***  ***Essential Questions:*** | To introduce students to the healthcare system.  To assist students in making realistic career decisions.  To develop students’ leadership skills.  To prepare students for acceptance in postsecondary healthcare education programs and /or employment in healthcare positions.  1. What are the skills & knowledge needed for success as a healthcare worker in the 21st century?  2. What kinds of rewards and challenges do you expect from a career in healthcare?  3. Why are good communication techniques so important in healthcare?  4. What lifestyle activities support & influence community health?  5. What are the most commonly seen diseases & disorders across the lifespan?  6. What significant historical advances & trends influence current  healthcare?  7. How does one’s personal health behavior impact family &  community health?  8. Is it important for healthcare providers to have an understanding of their own values? |
| ***V.*** | ***Classroom Expectations:*** | 1. Be prepared and on time for class.  2. Respect the property of others.  3. Do not eat, drink, or chew gum in Health Science lab.  4. Keep up with make-up work and communicate with the teacher concerning the deadline.  5. Follow the instructions of the instructor at all times  6. Cell phones are to be kept at the top of your desk face down the entire duration of class. You will be informed if we will be using phones for research purposes or for class participation. Cell phones must be on SILENT AT ALL TIMES.  **The academic misconduct policy of the school will be followed for this course. The attendance policy of the school will be followed for this course. All requests for accommodations, for this course or any school event, are welcomed from students and parents. Any student who receives failing grades during this course is urged to discuss this with the teacher immediately**.  **Accommodations:** Requests for accommodations for this course or any school event are welcomed from students and parents.  **Concerning laptop utilization:**  1. Student laptops should not be hard wired to the network or have print capabilities.  2. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers.  3. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops.  4. Laptops and other electronic devices will be used at the individual discretion of the teacher. |
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| ***VI.*** | ***Grading Policy:*** | Test grades will account for 70% of the 9-weeks grade, with the remaining 30% determined by quiz/daily grades. Grades will be a reflection of mastery of the standards. Make sure all absences are excused as class work can be made up and graded for excused absences only. The Final Exam counts for 1/5 of final grade.   |  | | --- | | Students will be evaluated as follows:  Evaluation Criteria Method of Evaluation Percent    Daily Grades Participation (lab skills) 30%  Presentations, Worksheets  Projects, Reports  Tests; Clinical Unit Tests, Clinical 70%    ***Employability/Professionalism grades*** reflect behavior in classroom and lab, class preparation, appropriate dress and overall professionalism befitting a healthcare worker. Students will begin with 2 points per day, and this will total a **100 point test grade** each 9 week grading period**.**    **Grading Scale:**  A 90-100  B 80-89  C 70-79  D 65-69  F Below 65 |   **Late Work Policy: Five points per day** (including weekends and holidays) **will be deducted** from assignments submitted after the due date. |
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| ***VII.*** | ***Make-up Test Policy:*** | All make-up tests will be given at 7:15 a.m. or during refuel time. No make-up tests will be administered during class time. Students must take a make-up test within 5-7 days after his or her return to school. When students make appointments for make-up tests, it must be kept unless the student notifies the teacher or the school of a valid cancellation. Students may receive a zero for an unexcused miss of a make-up test. This policy is for major tests, not quizzes or daily work. The academic assistant principal must approve exceptions to this policy. |
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| ***VIII.*** | ***Text and Other Required Reading:*** | Becoming a Healthcare Worker. First Edition, by Sherry Makely, Shirley A. Badasch, Doreen S. Chesebro  Dean Vaughn Learning System. Second Edition, by Dean E. Vaughn. |
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| ***IX.***  ***X.*** | ***Materials and Supplies Needed:***  ***Culminating Product:*** | Notebook (three ring binder), notebook paper, dividers, 1 Composition Science notebook, black ink pens, # 2 pencils, 1 roll of paper towels, 1 bottle of Hand Sanitizer or Hand Soap, and 1 Box of Kleenex. 1 container of Clorox wipes.  Students will be fully prepared for future Health Science and/or Biomedical courses offered within the James Clemens High School Medical Academy with a solid Introduction to the Medical Field.  Students who are age 15 or above are eligible for the Career Readiness Indicator, American Red Cross Lifeguarding. If you are interested, please see me privately. |

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| **18 – WEEK PLAN\*** | |
| **Week 1** | Introduction to Healthcare |
| **Week 2** | Healthcare Professions Part 1  Dean Vaughn Medical Terminology 1 |
| **Week 3** | Healthcare Professions Part 2  Dean Vaughn Medical Terminology 2 |
| **Week 4** | Role of Science in Healthcare  Dean Vaughn Medical Terminology 3 |
| **Week 5** | Healthcare Service  Dean Vaughn Medical Terminology 4 |
| **Week 6** | History of Healthcare  Dean Vaughn Medical Terminology 5 |
| **Week 7** | Medical Math Conversions  Dean Vaugh Medical Terminology 6 |
| **Week 8** | Medical Math (oral suspension & po-by mouth)  Dean Vaughn Medical Terminology 7 |
| **Week 9** | Medical Math (IM & IV, drip rates)  Dean Vaughn Medical Terminology 8 |
| **Week 10** | Growth & Development  Dean Vaughn Medical Terminology 9 |
| **Week 11** | Communication in Healthcare  Dean Vaughn Medical Terminology 10 |
| **Week 12** | Health & Wellness  Dean Vaughn Medical Terminology 11 |
| **Week 13** | Nutrition  Dean Vaughn Medical Terminology 12 |
| **Week 14** | Occupational Safety  Dean Vaughn Medical Terminology 13 |
| **Week 15** | Healthcare Infection Control & Safety  Dean Vaughn Medical Terminology 14 |
| **Week 16** | Hands Only CPR-Madison Fire & Rescue |
| **Week 17** | Basic Healthcare Skills |
| **Week**  **18** | Semester Overview and Final Exam |

\* The syllabus serves as a guide for both the teacher and student; however, during the term it may become necessary to make additions, deletions, or substitutions. Adequate notice will be provided to students of any necessary changes.

**Regarding Health Science Internship**

**Health Science Internship is a senior level course and requires an application process. In order to be accepted into the Health Science Internship Course, students must be teacher recommended & complete the following requirements:**

* Earn an overall grade of 85% in Foundations of Health Science (Although recently, students accepted have had an overall grade of >87%).
* Successfully complete CPR requirements of the American Heart Association’s (AHA) Healthcare Provider (HCP) with an 84% the first time the written test is taken.
* Achieve an overall grade of 85% in Honor’s Human Anatomy & Physiology.
* Correctly and accurately perform the following skills:  Application and Removal of PPE, CPR on Infant and Adult, Vital Signs.
* Written test scores will specifically be analyzed for Infection Control and Safety, CPR Written Test, and Vital Signs.
* Excellent teacher recommendations from Foundations of Health Science Teacher, Honor’s Human Body Structures and Functions Teacher, and a teacher of your choice.
* Demonstrate great work ethic, excellent school attendance, professionalism, respectfulness, self-discipline, self-motivation, etc. at **ALL** times.
* Demonstrates **ALL James Clemens High School Core Values in everyday life (Jets are Resourceful, Respectful, and Responsible!  Are you TEAM JET?  ATTITUDE IS EVERYTHING!)**

Dear Parent/Guardian,

I look forward to having a great year! I feel fortunate to have your son/daughter in my class this semester and hope that you will contact me should you have any concerns about the progress of your son/daughter or any aspect of the instruction. With your son/daughter, please read the attached policies, then sign and date this signature page and have your son/daughter return this form. Please provide a current email address and phone number at which I can contact you should the need arise. Please contact me at school with any concerns.

Thank you,

Ashley H. Steinert RN, BSN

Health Science Instructor

National Technical Honor Society Co-Sponsor

HOSA Co-Sponsor

My child and I have read and discussed the classroom syllabus.

Student Name (Print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Name (Print)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

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