Liberty Middle School

281 Dock Murphy Drive, Madison, Alabama 35758

Mrs. Alysa Simpson RN

Health Science Discovery

Teacher Contact Information	**Email:** alsimpson@madisoncity.k12.al.us **Classroom Phone:** 256-430-0001 ext. 83129
Classroom Digital Platforms	**Webpage Link:** **https://www.madisoncity.k12.al.us/Page/1503** **Schoology Link:** Can be accessed through MCS account
Textbook Information, Required Texts, and Other Instructional Materials	ISBN: 978-0-357-12307-2 Classroom *Parents and* copies of *Introduction to Health Care & Careers* Enhanced Edition *guardians can access other supplementary materials through the Schoology platform.*
Course Description	Health Science Discovery introduces concepts and skills needed in a variety of professions in healthcare, including nursing, physical therapy, emergency medicine, medical laboratory technology, respiratory therapy, environmental sciences, and informational services. Course content presents basic skills, education, training, and job requirements in selected healthcare professions to help students make informed decisions regarding their college and career goals. The course includes information concerning practices that promote health and wellness and prevent disease. Students will also be introduced to legal and medical ethics, communication, medical math, medical terminology, and technical skills related to healthcare. The course is designed to encourage hands-on learning using equipment, materials, and technology appropriate to the course content in accordance with current practices.
Course Objectives	1. Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces. 2. Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork. 3. Explore the range of careers available in the field and investigate their educational requirements and demonstrate job-seeking skills including resume-writing and interviewing. 4. Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway. 5. Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork. 6. Demonstrate effective infection control techniques as defined by the Centers for Disease Control and Prevention (CDC) and The Joint Commission guidelines. 7. Describe a variety of healthcare professions, indicating the purpose and scope of practice of each one. a. Research and report on the historical development of the healthcare industry, its leaders, and its response to major scientific advancements. b. Research and report on the impact of medical research on the healthcare industry. c. Investigate and present information about a healthcare career area of interest.
Course Outline/Program Instructional Delivery Plan	**Instructional Delivery Plan:** Multiple delivery methods will be used during our instructional time these include but are not limited to: lecturing, modeling, interactive lectures, demonstrations, recap sessions, group discussions, and teacher led simulations. **Units will be integrated into each other with overlapping concepts and terms.**

	A. Introduction to the course and classmates 1. Introductions to teacher and classmates 2. Team Building Activities 3. Syllabus Introduction 4. Lab Safety Review & Exam: ***Must have a 100% pass rate*** 5. Lab Safety Exam **B. Unit 1: Healthcare Today** 1. Your Career in Healthcare 2. Healthcare Yesterday, Today and Tomorrow 3. Ethical and legal Responsibilities **C. Unit 2: The Language of Healthcare** 1. Medical Terminology 2. Medical Math **A. Unit 3: The Human Body** 1. Organization of the Human Body 2. Structure and Function of the Human Body 3. Growth and Development **B. Unit 4: Personal and Workplace Safety** 1. Body Mechanics 2. Infection Control 3. Environmental Safety **C. Unit 5: Behaviors for Success** 1. Lifestyle Management 2. Professionalism 3. Professional Development and Lifelong Learning **D. Unit 6: Communication in the Healthcare Setting** 1. The Patient as an Individual 2. The Communication Process 3. Written Communication 4. Computers and Technology in Healthcare 5. Documentation and Medical Records **E. Unit 7: Health Care Skills** 1. Physical Assessment 2. Emergency Procedures **F. Unit 8: Business of Caring** 1. Paying for Healthcare 2. Quality Control and Customer Service **G. Unit 9: Securing and Maintaining Employment** 1. Job Leads and the Resume 2. Interview, Portfolio, and Application 3. Successful Employment Strategies ***This course outline is subject to change at any time.***
Credentialing	**N/A**
Classroom Expectations	1. Have a positive attitude. 2. Be responsible. 3. Be respectful to others and their opinions. 4. Set high expectations for yourself. 5. Follow all school rules **All students must follow the Madison City Schools Code of Conduct.**
Technology & Cell Phone/Digital Device Procedures	Effective July 1, 2025, the use, operation, or possession of Wireless Communications Devices including but not limited to cellular telephones, tablet computers, laptop computers, pagers, gaming devices, smart watches, earphones or headphones in school buildings or on school grounds during the Instructional Day, is prohibited. Violation of Board policy with respect to such use, operation, or possession of Wireless Communication Devices will constitute a Class II violation. Madison City Schools has outlined an Electronic/Wireless Device Policy (Policy 6.20) on page 137 of the MCS Policy Manual.

	Students should bring their MCS chromebooks and chargers to class each day. Teachers monitor student activity and participation; however, students are responsible for their activity on school-issued devices and using their MCS accounts.
Progressive Discipline	Liberty Middle School Classroom Management Plan: **Step 1:** Verbal warning **Step 2:** Student/teacher conference with parent notification **Step 3:** Parent contact/conference **Step 4:** Detention **Step 5:** Referral to administration for repeat Class I violations and initial Class II and Class III offenses (**Madison City Schools Code of Conduct**)
Grading Policy ***(MCS Policy)***	**60%** = Assessments (Tests, Essays, Projects) **40%** = Daily Grades (Quizzes, Homework, Classwork, and Participation) **70%** = High School Credit Assessments **30%** = High School Daily Grades
Late Work Policy	***Content areas / grade levels should adopt similar late work policies to ensure equity for students***
Make-up Work/Test Policy	Students with excused absences will be allowed to make-up all work within three days of returning to school. It is the student's responsibility to ask for make-up work. Students can get with a classmate or ask the teacher for help. Work that is not made up will become a zero (including quizzes/tests).
Homework	All assignments and projects will be given ample amounts of time to be completed during class time. Time management will be reviewed, then requested by all students. If poor time management in class is displayed, students will be expected to finish assignments at home to be brought back to school the following day.
Parent & Student Acknowledgment Form	***See Form.***
CTSO Integration (JMS Career Technical Student Organization is TSA)	Technology Student Association, TSA, is a career technical student organization and a fundamental part of this course. It is a national career and technical student organization of students engaged in science, technology, engineering, and mathematics (STEM). TSA is integrated into the program which includes competitions and leadership opportunities. TSA provides students with activities during their class time and after school with our local TSA Chapter. HOSA (Health Occupations Students of America): "HOSA is a global student-led organization recognized by the U.S. Department of Education and the Department of Health and Human Services and several federal and state agencies. HOSA's mission is to empower HOSA-Future Health Professionals to become leaders in the global health community, through education, collaboration, and experience. HOSA actively promotes career opportunities in the health industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health science instructors and students to affiliate and be actively involved in the HSE- HOSA Partnership." (HOSA.org)
Embedded Numeracy Anchor Assignment	Make sense of problems and persevere in solving them. These students start by explaining to themselves the meaning of a problem and looking for entry points to its solution. They analyze givens, constraints, relationships, and goals. They make conjectures about the form and meaning of the solution and plan a solution pathway rather than simply jumping into a solution attempt. These students consider analogous

	problems and try special cases and simpler forms of the original problem in order to gain insight into its solution. They monitor and evaluate their progress and change course if necessary.
Embedded Literacy Anchor Assignment	1. Utilize active listening skills during discussion and conversation in pairs, small groups, or whole-class settings, following agreed-upon rules for participation. 2. Use digital and electronic tools appropriately, safely, and ethically when researching and writing, both individually and collaboratively. 3. Thorough expression to produce clear, coherent narrative, argument, and informative/explanatory writing in which the development, organization, style, and tone are relevant to task, purpose, and audience, using an appropriate command of language. 4. Write informative or explanatory texts with an organized structure and a formal style, incorporating a focused point of view, a clear purpose, credible evidence, and technical word meaning. 5. Use academic vocabulary in writing to communicate effectively.
Embedded Science Anchor Assignment	1. https://www.nextgenscience.org/ 2. Gather, read, and synthesize information from multiple appropriate sources and assess the credibility, accuracy, and possible bias of each publication and methods used, and describe how they are supported or not supported by evidence. (MS-LS1-8) 3. Scientists and engineers are guided by habits of mind such as intellectual honesty, tolerance of ambiguity, skepticism, and openness to new ideas. (MS-LS1-3) 4. Engineering advances have led to important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems. (MS-LS1-1)
CTE Lab Safety Guidelines	Each student in a CTE/PLTW course will be required to complete a lab safety exam and score a 100% correct before being allowed to use any tools on projects. We expect students to responsibly and safely use the CTE equipment. Examples of equipment used in CTE courses may include and are not limited to the following: scissors, hot glue guns, box cutters, power tools, hand tools, measuring tools, electronic equipment, computers, medical supplies, adhesives, robotics equipment, food items (consumable and non-consumable).
Materials and Supplies	Required: notebook, pencils, erasers, colored pencils, glue sticks, scissors, highlighters, wired earbuds/headphones are optional. Wish List: Clorox wipes, colored copy paper, cardstock, sharpies, band aids, paper towels, expo markers, tissue boxes
This syllabus is subject to change.	