2023-2024
Liberty Middle School
281 Dock Murphy Drive, Madison, AL 35758
Mrs. Morgan Dew, CPNP-PC, RN, MSN
Orientation to Health Science

Teacher Contact Information	**Email:** medew@madisoncity.k12.al.us **Classroom Phone:** 256-430-0001 ext: 2237
Course Digital Platforms	**Webpage Link:** https://www.madisoncity.k12.al.us/domain/2597 **Schoology:** https://madisoncity.schoology.com/home **Parent Communication:** ***Power Schools will be used for parent contact. Please make sure all contact information is up to date in powerschool.***
Textbook Information	Classroom copies of *Introduction to Health Care* 5th Edition ISBN: 978-0-357-12313-3
Course Description	Orientation to Health Science is a course designed for eighth grade middle school students, to help guide their decision making process regarding pursuing healthcare as a college or career goal. Exposing middle school students to the healthcare field earlier in their education can help guide decision making for their future. Students will be given the opportunity to learn medical terminology, explore careers in healthcare, research the history of healthcare, learn basic CPR skills and first aid, etc. Instruction and learning activities will be provided throughout the 18 weeks 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.
Course Prerequisites	None
Course Objectives	• **Recognize progress in healthcare services** • **Demonstrate an understanding of the sciences in the healthcare field.** • **Demonstrate communication and leadership skills.** • **Demonstrate occupational safety.** • **Perform basic mathematical calculations and demonstrate problem solving skills in healthcare.** • **Identify life stages and the healthcare needs of each stage.** • **Explore the multiple facets of health, wellness, and disease.** • **Research various professions and careers within the health science cluster.** • **Perform basic healthcare skills.**
Course Goals	**Students Will:** 1. **Be able to describe different health science careers.** 2. **Identify skills required to successfully enter careers in different health science career pathways.** 3. **Learn and use standard safety practices.** 4. **Demonstrate effective leadership and communication skills.** 5. **Be able to describe and perform proper techniques of vital signs, first aid, aseptic technique, etc.** 6. **Be able to convert weights, measure, and volumes to metric as applied in the healthcare setting.** 7. **Be able to define and use proper medical terminology.**
Instructional Delivery Plan, Course Outline	**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

& **Culminating Project**	discussions, and teacher led simulations. **Course Outline:**

Instructional Delivery Plan, Course Outline & Culminating Project	**Week One & Two- Welcome to Class**
	Introduction to the course and classmates
	- Syllabus Review
	- Introductions to teacher and classmates
	- Team Building Activities
	Unit 1: Healthcare Today
	- Today's Healthcare System
	- Future of Healthcare
	- Challenges in Healthcare
	- Health Care Economics
	- Laws, Ethics, & Professionalism in Health Care
	  - Identify ethical, legal, and security issues faced by healthcare professionals.
	- Personal Qualities & Professional Skills for Success
	Lab Safety Review & Exam
	- **Lab Safety Exam-**
	
	Week Three & Four
	Unit 2:
	- Medical Terminology
	  - Prefix
	  - Suffix
	  - Root Words
	  - Abbreviations
	- Medical Math
	  - Pharmacists & Pharmacy Technicians
	  - Pharmacy technician for a day
	
	Medical Terminology Test TBD
	
	Week Five & Six
	Unit 3: The Human Body
	- Organization of the Human Body
	- Structure & Function of Human Body
	- Growth & Development
	- Vital Signs Introduction
	Culminating Project
	
	Week Seven & Eight
	Unit 4: Personal & Workplace Safety
	- Infection Control
	- Environmental Safety
	- Personal Protective Equipment
	- Proper Gloving & Transmission
	- Biomedical Engineers
	
	Week Nine & Ten
	Unit 5: Communication
	- The Communication Process
	- Written Communication
	- Technology in Healthcare
	- Documentation & Medical Records
	- Radiologists
	
	Unit 4 & 5 Test TBD
	
	Week Eleven, Twelve, & Thirteen
	Unit 6: Health Care Skills
	- Physical Assessment
	- Vital Sign Continuation
	- Cardiopulmonary Resuscitation (CPR)

	- First Aid
	- Careers:
	  - Nurses
	  - Surgeons
	  - Physicians
	  - Medical Assistants
	  - EMT
	
	Unit 6 Exam TBD
	
	## Week Fourteen & Fifteen
	Unit 7: Employment
	- How to Search for Jobs
	- Resumes
	- Cover Letters
	- Interviews
	
	## Week Sixteen & Seventeen
	Unit 8: Lifestyle Management
	- Lifestyle Management
	- Professionalism
	- Professional Development
	
	## Week Eighteen
	- **Review**
	
	TBD Weekly Career Guest Speakers
	
	Community Service Project: TBD
	
	Culminating Project:
	
	Exploring the Human Body: A Health Science Adventure
	
	Students will delve into the fascinating world of health science, integrating literacy, numeracy, and science skills to explore the human body's functions, systems, and overall well-being. By the end of this assignment, students should be able to demonstrate an understanding of various health science concepts and communicate their findings effectively.
	
	HOSA Extemporaneous Health Poster
	
	Extemporaneous Health Poster provides Middle School members with the opportunity to gain knowledge and skills required for interpreting and communicating current health / HOSA-related issues in an artistic and creative manner.
	
	This course outline is subject to change at any time. I will keep students and parents informed of assignment changes if they arise.
	
	Culminating project likely to change based on projects released by the HOSA organization. TBD, update will be provided.

Credentialing	None

CTSO Integration ***(LMS 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. *TSA Based Activities relevant to Introduction to Careers in Healthcare include but are not limited Career Prep, Resumes, & Interviews* 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.
Embedded Numeracy Anchor Assignment *(Exploring the Human Body: A Health Science Adventure 10%)*	- 6.SP.B.4: Summarize numerical data sets in relation to their context. (MS-LS1-4),(MS-LS1-5) - 6.SP.B.5: Summarize numerical data sets in relation to their context. (MS-LS3-2)
Embedded Literacy Anchor Assignment *(Exploring the Human Body: A Health Science Adventure 10%)*	- The opportunity to gain knowledge and skills required for interpreting and communicating current health / HOSA-related issues in an artistic and creative manner. - RST.6-8.1: Cite specific textual evidence to support analysis of science and technical texts. (MS-LS1-4),(MS-LS1-5),((MS-LS3-1),(MS-LS3-2),(MS-LS4-5) - RST.6-8.2: Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions. (MS-LS1-5) - WHST.6-8.8: Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation. (MS-LS1-8)
Embedded Science Anchor Assignment *(Exploring the Human Body: A Health Science Adventure 10%)*	https://www.nextgenscience.org/ • 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) • MS-LS1-3.: Use arguments supported by evidence for how the body is a system of interacting subsystems composed of groups of cells. • Systems may interact with other systems; they may have sub-systems and be a part of larger complex systems. (MS-LS1-3)
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).
Classroom Expectations	**1. Have a Vision 2. Lean into Struggles. 3. Be a Learner, Not a Finisher** **4. Feed Your Passion 5. Own Your Education. 6. Be Respectful 7. Cheerful Collaboration** 1. Be seated and ready for class when the bell rings. *Detention for tardies will be assigned per DMS policy.* 2. Come prepared for class. Bring all necessary supplies. 3. Respect your teacher, your classmates, and yourself. 4. Listen and follow directions. 5. If it's not yours, don't touch it. Keep your hands and feet to yourself. 6. Follow all school rules. 7. The teacher dismisses the class, not the bell. 8. No food or drink around the computers and equipment 9. Do not visit gaming websites during class. Remain on our curriculum websites at all times. 10. Do not use your cell phone without permission, our class mimics the rules of the healthcare

	professional world.
Progressive Discipline ***(LMS Policy)***	**Step 1:** Verbal warning **Step 2:** Student/teacher conference **Step 3:** Parent contact/conference **Step 4:** Detention and a parent contact **Step 5:** Office referral
Grading Policy & Scale ***(MCS Policy)***	**60%** = Assessments (Tests, Mini-Assessment, Projects, Portfolio) **40%** = Daily Grades (Quizzes, Homework, Classwork, and Participation) **Grade Scale:** 90-100 = A; 80-89 = B; 70-79 = C; 65-69 = D; <64 = F
Late Work Policy	For work turned in late, the following policy will apply: • The assignment will drop one LETTER grade for each school day that passes. For example, if an assignment is turned in one school day late, the highest a student can receive is 89%; two days late, 79%, etc. 1 day late = maximum credit 89% 2 days late = maximum credit 79% 3 days late = maximum credit 69% 4 days late = maximum credit 59% 5-10 days late = maximum credit 50% • Half credit is always better than no credit! Until work has been made up, "Missing" (which counts as a zero) will be put in the grade book. This will be updated once work is completed and turned in.
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). Many times, missed quizzes and tests can be made up during school.
Technology Policy	Student laptops should not be hard-wired to the network or have print capabilities. Use of discs, flash drives, jump drives, or other USB devices will not be allowed on Madison City computers. Neither the teacher, nor the school is responsible for broken, stolen, or lost laptops. Laptops and other electronic devices will be used at the individual discretion of the teacher.
Accommodations	Requests for accommodations for this course or any school event are welcomed from students and parents.
Materials & Supplies	Spiral Notebook, Pencil, headphones with audio jack(not wireless) Wish List: clorox wipes, colored copy paper, cardstock, sharpies, bandaids, paper towels
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 For	***All Student assignments will be posted in Schoology; however, all grades will be posted in Powerschools. Thank you for your support and I encourage you to contact me with any questions or concerns . Students will return this signed copy and a digital version of this syllabus is available on schoology & my DMS website for reference. Please sign below that you have received and read the syllabus and will abide by all policies. Thank You! Morgan Dew, CPNP-PC*** **Signed Syllabus due: August 11, 2023.** _____ **STUDENT FULL NAME (Please Print)** **BLOCK** **DATE** _____ **PARENT SIGNATURE** **PARENT PHONE NUMBER(S)**

	Please include any concerns or notes to Mrs. Dew below: