Principles of Health Science

School Name | Academic Year: 2026–2027 | Length of Course: 1 Year • Fall **Semester:** S1
Number of Credit Hours 2 **Prerequisite:** None
Instructor: Susan McIntyre • **Email**:susan.mcintyre@midlandisd.net • **Conference Period**: 8:40-9:30

Course Description

MISD Course Catalog

> Principles of Health Science will provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Course Objectives

By the end of this course, students will be able to:

Objective 1	Students will exhibit the ability to cooperate, collaborate and contribute as members of a team
Objective 2	identify employer expectations such as punctuality, attendance, time management, communication, organizational skills, and productive work habits.
Objective 3	assess career options and the preparation necessary for employment in the health science industry.
Objective 4	apply mathematics, science, English language arts, and social studies in health science
Objective 5	describe biological and chemical processes that maintain homeostasis & identify the concepts of health and wellness throughout the life span

Instructional Materials & Supplies

- DHO Health Science
- Composition or spiral notebook, pens, pencils
- Google Classroom, zSpace

Course Outline

UNIT	TOPIC	APPROXIMATE TIME
Unit 1	Infection Control	2 weeks
Unit 2	Healthcare Careers	2 weeks
Unit 3	Stop the Bleed	2 weeks
Unit 4	Vital Signs	2 weeks
Unit 5	CPR/First Aid	2 weeks
Unit 6	Documentation	2 weeks
Unit 7	Health Skills	6 weeks

Grading Breakdown

Major assignments are those that allow you to demonstrate mastery of the course objectives. Minor assignments include skill checks, quizzes, homework, and other short assessments that contribute to your overall understanding of the course material.

Category	Percentage
Major Assignments(Tests, Projects)	60%
Minor Assignments (Quizzes / Skills Checks)	40%

Semester Exam / Project	15%

Grade Scale: A = 90–100 | B = 80–89 | C = 70–79 | F = < 70

Semester grades include a grade for each of the each nine-week periods and an exam or project that is weighted 15% of the overall semester grade.

Classroom Expectations

- Be on time, prepared, and respectful
- Follow safety protocols (PPE, tools, etc.)
- Use chromebook when instructed, bring chromebook daily
- Ask questions and engage actively

Attendance & Participation

Attendance is mandatory. You must:

- Attend scheduled classes and labs
- Make up missed work with 1 school day allowed for each excused absence

Late Work & Make-Up Policy

- Students are allowed one day of make-up time for each day of absence
- Late assignment penalties:
    - 1 School Day Late- Maximum Grade of 85
    - 2 School Days Late- Maximum grade of 70
    - No assignments will be accepted after 2 days late per MC policy
- Missed assessments must be rescheduled

Academic Integrity

Cheating or plagiarism is not tolerated. First offense may result in a zero and parent contact. Further violations follow district policy.

Industry-Based Certifications

This course aligns with--and prepares students for—the following credentials:

- **Pharmacy Tech, CNA, Patient Care Tech, ECG Tech, Phlebotomist, Medical Assistant, CPR/BLS, Health Informatics**
    - Offered: Junior and Senior years of high school
    - Required/Optional: Industry certifications testing available
    - Cost: No charge to student
    - Preparation: in-class instruction, online guides
- **Certification Name: Stop the Bleed**
    - Offered at Freshman Campus

Earning credentials enhances employability and may qualify for dual credit or advanced placement.

Career & Technical Student Organization (CTSO) Involvement

Students are encouraged to participate in:

- **HOSA**
    - *Description:*The purpose of HOSA-Future Health Professionals is to develop leadership and technical HOSA skill competencies through a program of motivation, awareness and recognition, which is an integral part of the Health Science Education instructional program.
    - *Activities:* Meetings are held 1-2 times per month. Students may attend Area, State and National competitions. We will participate in a blood drive and other community service projects.
    - *Requirements:* Attend & participate in two events per semester. Participate in 1 or more fundraisers.

Safety & Equipment Use

- Always follow safety instructions and wear required PPE
- Report damaged tools/equipment immediately
- Violation of safety protocols may result in removal from lab and disciplinary action

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Parent/Guardian Communication

- Progress reports sent every 3 weeks if grade is below 70.
- Grades available in PowerSchool
- Please email or call with questions or concerns

Acknowledgment of Understanding

Please return this signed page by [Date].

Student Name: _____ Signature: _____

Guardian Name: _____ Signature: _____

Preferred Contact (Email/Phone): _____