

**Health Science Technology –Pathophysiology Class Syllabus  
Ben Barber Innovation Academy – Room A204**

**INSTRUCTOR**      **Patricia Johnson, DC, MHA**  
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 Tutoring by appointment Tuesday and Thursday 2:45-3:15 pm

**Course Description:** This course is for 11<sup>th</sup> and 12<sup>th</sup> graders. The prerequisites for the course are Biology, Chemistry, and any intro or intermediate level Health Science Course. A non- weighted course designed where students will study disease processes, and how human systems are affected. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal physiology. This is a **non-certification course**, however, is considered as part of the requirements to be eligible for future certification courses in health science. Students will receive a **Science Credit** for this course on successful completion of this course. Students are encouraged to participate in Skills USA), which is a co-curricular youth organization. Currently Skills USA officer elections will occur at the beginning of the spring semester but is subject to change pending approval by campus administration

**General Course Outline:**

At a minimum the course will cover the following subject areas. The schedule is tentative and subject to change due to progress within the class and circumstances outside the classroom.

Pathophysiology					
1st/4th Grading Period		2nd/5th Grading Period		3rd/6th Grading Period	
<b>Unit of Study:</b>	History, Trends, and the Future (The Study of Pathophysiology, Medical History, New Developments), Laboratory Safety and the Tools of Investigation (Laboratory Safety and Precautions, Safety Contract, Scientific Method).	<b>Unit of Study:</b>	Process of Pathophysiology (Cardiovascular System Diseases and Disorders, Respiratory System Diseases and Disorders, Lymphatic System Diseases and Disorders)	<b>Unit of Study:</b>	Process of Pathophysiology (Reproductive System Diseases and Disorders, Integumentary System Diseases and Disorders)
<b>Unit of Study:</b>	Fundamentals of Pathophysiology (Introduction to Human Diseases), Mechanisms of Pathophysiology (Mechanisms of Disease), Process of Pathophysiology (Neoplasms, Inflammation and Infection)	<b>Unit of Study:</b>	Process of Pathophysiology (Digestive System Diseases and Disorders, Liver, Gallbladder, Pancreas Diseases and Disorders, Urinary System Diseases and Disorders)	<b>Unit of Study:</b>	Epidemiology (Origin and Transmission of Disease, Control of Infectious Disease, Hospital Epidemiology), Pathology Across the Life Span (Genetic and Developmental Diseases and Disorders, Childhood Diseases and Disorders)
<b>Unit of Study:</b>	Process of Pathophysiology (Immune System Diseases and Disorders, Musculoskeletal System Diseases and Disorders, Blood and Blood Forming Organs Diseases and Disorders)	<b>Unit of Study:</b>	Process of Pathophysiology (Endocrine System Diseases and Disorders, Nervous System Diseases and Disorders, Eye and Ear Diseases and Disorders)	<b>Unit of Study:</b>	Pathology Across the Life Span(Changes Related to Aging),Disease Prevention(Wellness and Preventive Health Care, Health Care Systems, National Health Goals)

**TEXTBOOK**

***Human Diseases 2<sup>nd</sup> edition*** – Please check out the textbook with the instructor before removing a copy of our classroom set of textbooks.

## Course Policies and Class Expectations:

1. **Be on Time:** When the bell rings, be in your seat and ready to begin. We will begin promptly! The school has a zero tolerance for tardiness. You are officially tardy if you are not in the room by 7 am or 11:30, and absent at 20 minutes. Official entry is when you have signed in. At the end of class, wait at your seat to be dismissed.
2. **Be Considerate:** Show respect to others. Once class begins, talking should only be to answer a question or participate in class discussion or group work. We will have many visitors during the year, please be polite, respectful, and courteous. Texting, messaging, or game playing once class has begun will be considered disrespectful and discourteous behavior.
3. **Be Supplied:** When you come to this class, plan ahead and have everything, you will need. Bring your iPad, paper and pen to take notes, etc.
4. **Behave:** *You have chosen to be here* as part of this Program of Study (POS). You were chosen from several applicants to be part of this program. I will treat you as professionals. I expect professionalism in return. With this in mind, **Academic Dishonesty** will not be tolerated. Plagiarism or cheating will result in a grade of zero.

### **Daily Work**

- Every Offense
  - Academic and Disciplinary Consequences
  - Assign grade of zero
  - Write a referral
  - Teacher contacts parents
  - Consequence from administrator would be a minimum of AC placement

### **Exams or Other Major Assessments**

- Every Offense
  - Academic and Disciplinary Consequences
  - Assign grade of zero
  - Write a referral
  - Teacher contacts parents
  - Consequence from administrator would be a minimum of AC placement
  - An alternative exam or major assessment can be completed for a maximum grade of 70%
  - Academic Associate is notified and will schedule a meeting with student, parent and teacher

5. **Once you are in, you're in!:** Please attend to thirst, toileting, food and hydration needs, and other personal needs prior to entering the classroom. Do not drop your stuff off and leave. Please attend to your makeup and grooming needs before you enter.
6. **Electronics/Food:** Any electronics, other than MISD issued, should be silent and not in use, unless otherwise instructed. Please refrain from use of your cell phone or electronic music devices, unless the instructor gives you permission to use them (rare, but it could happen!). You may bring water to class, but no fountain drinks, no bottled or canned soft drinks, no energy drinks, and no food, should enter the class. Plan your time to complete eating prior to arrival!

### **MATERIALS**

Three-ring notebook and paper	Blue or black pens
1 Red ink pen ( <i>for self-grading of assignments</i> )	#2 Pencils
Highlighter(s)	Box of Kleenex
IPad or other device with internet capability, if available	

**GRADING SCALE** Student grades may be reviewed by visiting [www.mansfieldisd.org](http://www.mansfieldisd.org) and creating an account through the *Skyward* grade book. . The following point system will be used to determine your grade:

Tests / Projects / Research Papers	50%
Labs	30%
Daily Work / Current Events/ Quizzes	20%
Semester Exam	20%

There will be a minimum of 10 grades, every 6 weeks, with at least 2 being exams.

Grading Scale:

A=90-100

B=80-89

C=70-79

F= Below 70

20% of your grade will be the final. The final will be comprehensive and is required to include an essay portion for per MISD policy.

**SEMESTER EXAMS** Each semester, specific exam schedules are designated for MISD high school and dual credit courses. These schedules must be followed. Neither mid-term nor final exams are given early. If a student is absent on the day of an exam he/she will take the exam at a date/time designated by the school.

### **PROJECTS**

There will be units of study in which the grade will be based upon completion of an assigned project. Students will receive a criteria sheet to identify the objectives and grading scale. Please follow these criteria closely when working on the project and turn in the criteria sheet as the top cover sheet of the assignment. Class time may be given for students to work on the project in the library and computer lab. During all times students are expected to demonstrate responsible behavior when not under the direct supervision of the instructor.

### **MAKE UP WORK**

- The teacher may assign the student makeup work based on the instructional objectives for the subject or course and the needs of the individual student in mastering the essential knowledge and skills or in meeting subject or course requirements.
- A student will be responsible for obtaining and completing the makeup work in a satisfactory manner and within the time specified by the teacher. When absent, the student is afforded the number of days missed plus one additional day to turn in makeup work. [A/B Block Example: A student misses Monday and Tuesday of the week and he/she returns on Wednesday of that same week. Student work from Monday's absence is considered late after Friday, and student work from Tuesday's absent is considered late after the following Monday.]
- A student who does not make up assigned work within the time allotted by the teacher will receive a grade of zero for the assignment.
- A student is encouraged to speak with his/her teacher if the student knows of an absence ahead of time, including absences for extracurricular activities, so that the teacher and student may plan any work that can be completed before or shortly after the absence.
- A student will be permitted to make up tests and turn in projects due in any class missed because of absence. . Teachers may assign a late penalty to any long-term project in accordance with time lines approved by the principal and previously communicated to students.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

### **TEST RETAKE POLICY**

- Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. This does not include semester examinations.
- Students are expected to make arrangements with the teacher to retake or correct a major test/assessment.
- Students are encouraged to participate in tutoring opportunities before retaking a test.
- Each teacher will communicate routine requirements for retakes and corrections in his/her course syllabus.
- All retakes or corrections must be completed prior to the end of each six week grading period unless the student is afforded time, after the six week grading period, as a result of the district's absent/make-up guidelines.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

## **LATE WORK**

- Teacher designates due date and time for assignment (Beginning of class period, End of class period, designated time of day)
- If student fails to meet the due date and time, then the student has till the next class period (next A day or B day) to turn in assignment to be considered one day late.
- Students will be assessed a penalty of 30% points for up to one class period late.
- Score of a zero may be given for work turned in after one day late.

## **STANDARDS FOR WORK**

All assignments must be handed in on white, loose leaf paper. No college / spiral paper will be accepted. Please use blue or black ink pen on all assignments. While this is not an English class, students are expected to use correct spelling and grammar on all written work. Frequently, people judge abilities based upon a sample of writing. Therefore, it should reflect the student's abilities and be neat in appearance. Headings should be in the upper, right corner of the first page and include student's full name, class name – block number, and the date.

## **PARTICIPATION**

Students will be expected to begin a daily warm-up activity once they have entered the classroom. The lesson may be a written and/or reading assignment that all students are expected to complete.

The class will be structured to allow students to master time management. This can be a positive experience if they are able to organize their time well. It requires students to take the responsibility for the time they spend in class. Students will have the opportunity to complete most of the work in class if they remain on task. Some of the materials we use will not be available outside of class, so they are encouraged to use class time wisely.

Health Science Technology assignments are the only work to be done in class, unless the instructor gives permission to the contrary. Each violation will result in a deduction from your participation grade and the "off-task" assignment will be confiscated.

## **ADVANCEMENT**

Advancement in Health Science Technology Internship or Practicum level courses will be determined by your class participation, grade, conduct, attendance, attitude, and teacher recommendation. Please see the attached letter and Professional Evaluation Tool.

## **LABORATORY SAFETY PROCEDURES:**

- 1) Read the activity instructions before attempting any laboratory procedure.
- 2) Long hair must be tied back when working in the laboratory.
- 3) No horseplay/improper behavior is permitted.
- 4) No lab work may be conducted without prior approval or adult supervision.
- 5) Do not taste nor ingest any chemicals/materials.
- 6) Do not pour any unused chemicals back into the stock containers.
- 7) When heated, equipment should be pointed so that the open end is not aimed at anyone.
- 8) Broken glass should be immediately be cleaned up and discarded into the appropriate container.
- 9) All waste must be discarded in the appropriate container(s).
- 10) Wash the laboratory table surface after the activity is completed.
- 11) Clean all equipment and return it to the storage area before leaving the laboratory work area.
- 12) Wash hands before being dismissed from the class.
- 13) Report any accident or injury to the instructor immediately, and then follow emergency procedures as necessary.

## **EYE SAFETY PROCEDURES:**

Students are to wear approved eye safety devices (goggles/safety glasses) whenever instructional programs involve the use of hot solids or liquids, caustic or explosive materials, and certain tools or machinery. In short, eye protection must be worn in the laboratory at all times except when specifically told by the instructor that they are not needed.

## **CLASSROOM EXPECTATIONS REGARDING iPADS**

- 1) Close all applications on the iPad upon entering the classroom. You may only have open the apps to be used in class during that specific class period. **The opening of any additional app including any gaming, messaging or email feature will result in a disciplinary referral.**
- 2) iPads need to remain on your desk at all times. When they are not in use, you will need to have them **face down in the top right corner.**
- 3) iPads need to remain flat on your desk or slightly propped (using the stand) when in use so that your screen can be viewed by me at all times.
- 4) Make sure your device has the sound off. You will be instructed when it is necessary for the sound to be on. In that case, you will be asked to use headphones (see classroom materials).

## **BYOD**

Mansfield ISD has a BYOD policy in place; however, with access to iPads in the classroom daily, the use of any cellular device is only allowed with permission from the teacher. Having cell phones out in class without permission will result in disciplinary action.



**No lab work may be completed until both student and parent sign/return this form.**

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By signing this document, parents acknowledge reading the class syllabus and agree to support said student with required course work. Parents are hereby giving their son/daughter permission to participate in the MISD HST class activities and to use the internet for educational purposes during class.

Students will be given ongoing verbal instructions from the health science instructor concerning classroom procedures. In order to avoid injuries and damage to equipment, students must observe and obey classroom rules at all times. Students must realize that failure to observe laboratory instructions could result in serious injury and they must acknowledge responsibility towards the care to be used in handling all materials and equipment. If safety rules are neglected students may be removed from the laboratory portion of the HST course. A student's signature demonstrates an agreement to comply with course rules and guidelines.

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Student's Name

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Parent's Name

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Student Signature/Date

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Parent Signature/Date

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Parent Business/Cell Telephone #

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Parent Email Address

**\*Once completed, separate papers and return page four to the Instructor**

**Health Science Technology Education  
Ben Barber Career Innovation Academy  
2018 – 2019 Information Sheet**

Name \_\_\_\_\_  
Last First Middle Initial

Preferred Name \_\_\_\_\_ Cell Phone# \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Texas Zip Code \_\_\_\_\_

Grade \_\_\_\_\_ Age \_\_\_\_\_ Sex \_\_\_\_\_ DOB \_\_\_\_\_

Father's Name \_\_\_\_\_ Home Phone# \_\_\_\_\_

Address \_\_\_\_\_ Business/Cell Phone# \_\_\_\_\_

Mother's Name \_\_\_\_\_ Home Phone# \_\_\_\_\_

Address \_\_\_\_\_ Business/Cell Phone# \_\_\_\_\_

Other \_\_\_\_\_ Home Phone# \_\_\_\_\_

Address \_\_\_\_\_ Business/Cell Phone# \_\_\_\_\_

I am currently live with: (Circle all that apply) Parents Father Mother Other

**Present Class Schedule:** Ride Bus? Yes No HS Home Campus \_\_\_\_\_ ID# \_\_\_\_\_

Period 1 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 2 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 3 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 4 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 5 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 6 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 7 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 8 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Period 9 Subject \_\_\_\_\_ Teacher \_\_\_\_\_ Room \_\_\_\_\_

Identify extracurricular / co-curricular activities in which you participate: \_\_\_\_\_

How did you hear about Health Science Technology? \_\_\_\_\_

What are your career plans for the future? \_\_\_\_\_