

MVLA
2025-26
COURSE INFORMATION SHEET

Course Title: **Body Systems and Health Careers**

CTE Pathway Sequence (if applicable)

School: **Alta Vista High School**

UC/CSU requirement: **(A-D) D- Science**

Textbook and/or other learning resources: **Paxton Patterson Health Science Careers- 17 modules**

Course Description/Student Learning Outcomes:

This course provides a **Lab Basics** introductory module and focuses on applying knowledge of the human body systems to 17 health science career fields: **Biomedical Engineering, Biotechnology R&D, Clinical Lab Practices, Dentistry, Environmental Health & Safety, Forensics, Health Information Management, Intro to Health Science Foundations, Medical Imaging, Mental Health, Nursing, Ophthalmology, Pharmacology, Speech Therapy, Sports Medicine, Therapeutic Services, Veterinary Medicine.** The course provides foundational knowledge and skills of a healthcare worker that include the following: various healthcare careers available, public health, medical terminology, human body pathologies, chain of infection, basic CPR and first aid, skills such as reading and interpreting vital signs (e.g. blood pressure) and test results (e.g. urinalysis), laboratory techniques (e.g. preparing bacterial cultures), etc. Weekly medical terminology tests are administered to ensure students are able to interact using relevant academic vocabulary during the laboratory activities.

Learning Objectives

Unit 1: Intro to Public Health & Health Science Careers

-Students will be able to identify, explain, and propose solutions for the genetic, ecological, socioeconomic, and political factors that affect public health in their community.

-Students are introduced to 17 health science fields and explore career options in each field.

-Students will demonstrate their understanding by participating in a daily check for understanding and completing a summative written assignment every 5 days.

Unit 2: Intro to Mental Health

Unit 3: Nervous System

Unit 4: Integumentary System

Unit 5: Skeletal System

Unit 6: Muscular System

Unit 7: Cardiovascular System

Unit 8: Respiratory System

Unit 9: Digestive System

Unit 10: Endocrine System

Unit 11: Urinary System

Unit 12: Reproductive System

Course Outline/Units of Study/CTE Industry Standards(If applicable to your course):

Module 1- Lab Basics (5 Days)

Module 2- Biomedical Engineering

Module 3- Biotechnology R&D

Module 4- Clinical Lab Practices

Module 5- Dentistry

Module 6- Emergency Medical Technician

Module 7- Environmental Health & Safety

Module 8- Forensics

Module 9- Health Information Management

Module 10- Intro to Health Science Foundations

Module 11- Medical Imaging

Module 12- Mental Health
Module 13- Nursing
Module 14- Ophthalmology
Module 15- Speech Therapy
Module 16- Sports Medicine
Module 17- Therapeutic Services
Module 18- Veterinary Medicine

Assessment and Grading ([BP 5121](#) / [AR 5121](#)): To ensure that every student has an equal opportunity to demonstrate their learning, the course instructors implement aligned grading practices and common assessments with the same frequency.

1. Grading categories and their percentage weights:

Class grade is based on Day 5 and 10 Assessment Scores. Credits are given based on completion of Lab activities, completion of "Evidence of Learning" writing prompts and questions, and a passing score of at least 70% on every assessment.

2. Achievement evidence collected within each grading category:

This is based on assessment scores and the "Evidence of Learning". There are two assessments in every module. Each module is broken up into 10 days which include 9 labs or activities that require a submission of work (Evidence of Learning). There are two Critical Writing assignments (short essays) in every module.

3. Grading scales:

A: 100-89.50% **B:** 89.49-79.50% **C:** 79.49-69.50% **D:** 69.49-50%

4. Homework/outside of class practices ([AR 6154](#)):

No homework assigned at AVHS, but students can complete unfinished assignments at home.

5. Excused absence make-up practices ([Education Code 48205\(b\)](#)):

Please see #7 below. Though excused absences during the final weeks of the semester can be made up through a special arrangement with the teacher and/or principal.

6. Academic integrity violation practices ([LAHS Academic Integrity Policy](#) / [MVHS Academic Integrity Policy](#)):

The Board expects that students will not cheat, lie, plagiarize, or commit other acts of academic dishonesty. Any work completed with unauthorized aid (**copying someone else's work**) will be considered cheating. Check with your teacher if you are unsure or unclear about their expectations regarding the use of the internet or any assignment guidelines.

Copying **notes** is acceptable but copying another student's **assignment** is **NOT ALLOWED**. "Working together" on an assignment is different from copying another person's paper. You may work together but you must write your own answer in your own words!

7. Late work practices:

-Late assignments will be accepted **up until the second to last week of the semester that they were assigned**, with no penalties.

-To make up a lab you **must speak with your teacher to schedule this during 6th period study hall**.

-Late lab and project make-ups are not **possible** during the **last week of the semester**.

-*Work Habits* points can only be made up by earning **extra** points, **through participation**, during other weeks.

-Points will be **"on hold"** if any unit test or assessment is incomplete. The points will be released once the assessment is made up. If the assessment is not made up, any points earned in that specific unit will be converted to **elective credit** instead of **science credit** if you need to be closed out of a class.

*Students should speak with the teacher promptly if they feel they have a special situation

8. Revision practices:

- Classroom Habits* cannot be “revised” or “submitted” late on google classroom. See above on how to make up the points.
- All other assignments can be revised for full credit.
- All revisions are due by the second to last week of the semester in which the assignment was assigned
(Students must follow directions for revisions given for the assignment.)

9. Extra credit practices:

- Extra credit given at the request of the student **only if all current assignments are completed** and submitted.
- Extra credit Elective points can be earned weekly through notetaking.
- Extra credit Science points can be earned through completing virtual labs and simulations. These are worth anywhere from 1-5 points depending on the amount of work required by the activity.

10. Additional grading practices:

Students can monitor their progress through the online learning system.

1 Completed module = 1 credit to be placed on your transcript (excluding the introductory “Lab Basics” module)

If you do not have a passing grade, you will be required to raise it to “passing” before the credits can be submitted for placement on your transcript.

11. LMS Used:

Paxton Patterson website- lms.paxpat.com

Instructors’ email addresses:

brandi.filbert@mvla.net

Additional information:

Please

- Respect your teacher and peers by **paying attention, listening,** and **positively contributing** to class discussions. This will create a better environment and experience for all of us.
- No headphone use unless listening to music during **independent work**.
- Limit use of electronic devices. Disregard for this will result in no *Classroom Habits* points for that day! Remember that these points are like extra credit and do have an affect on your grade, earning more can actually boost your grade.