



Deer Valley Unified School District

Mrs. Rodgers

Room C216

Voice Mail # 623-376-3044

Project Lead the Way

Website: <https://www.dvUSD.org/Domain/2873>

Human Body Systems Honors

This course examines the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

Standards

Human Body Systems Honors is aligned with Arizona Bioscience, Arizona College and Career Ready Standards and/or national standards which supports school-wide efforts to increase student achievement.

Course Objectives:

By the time the student completes this course of study; the student will know or be able to:

- Analyze similarities and differences in body tissues.
- Create body organs and systems from clay, while investigating relationships with other systems.
- Analyze energy inputs and outputs in the body to assess overall health.
- Measure peripheral pulses using Doppler ultrasound and calculate an ankle brachial index (ABI).
- Design an experiment to test the effect of feedback, coaching, or competition on muscle fatigue.
- Analyze simulated blood samples to determine blood type.
- Describe how the body systems respond to extreme external environments.
- Obtain OSHA 10 Health Care Certification (CTE Industry Certification).

In addition to the course objectives listed above, the following AzCCRS are also embedded;

- Standard 7: Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.
- Standard 7: Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
- Standard 2: Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.

Expectations: All students will adhere to the DVUSD Students Rights and Responsibilities Handbook as well as expectations found throughout this syllabus. All students will follow the Respect The Ridge principles: Respect Your Self, Respect The Ridge and Respect Each Other.

Progressive discipline will be followed: student, parent, and referral unless in concerns of safety.

All policies/consequences listed in the Student Rights and Responsibilities Handbook located on [Mountain Ridge High / Homepage](#)

Grading:

The following is a list of areas that each student will perform, in addition to the % that area is worth in the grading process. Grades will be rounded.

Coursework, Projects	50% of grade	A= 100-90
Tests, quizzes	50% of grade	B = 89 – 80
		C = 79 – 70
<u>No extra credit</u>		D = 69 - 60
		F = 59 - 0

Assignments – Late Work Policy

Mountain Ridge students have within the current unit of study to turn in assigned work for full credit. However, students will have a minimum of a week to turn in assignments from the assigned due date even if the unit is completed. The unit of study is established by the teacher and the department on campus.

However, the point of assignments/homework/labs and projects are to expose students to content and help them obtain mastery of that content through timely practice so that they are successful on high stakes final exams. Not completing assignments as assigned and submitting them late, hurts the student’s abilities to achieve mastery as they may go into assessments without feedback and practice. Having late work also causes students to have to play "catch up" which causes additional stress on the student.

Assessments:

Assessments (with the exception of final exams) are given twice per assessment. (A total of 2 tries per assessment). A different assessment or corrections that covers the same standards will be provided for the retake in lieu of the initial assessment.

- In order to be able to partake in a re-take of an assessment, a student cannot have missing assignments.

Absence Work Make Up: After an absence, a student has one school day for each day missed to make up work/tests, regardless of the number of days absent. If many days were missed, please schedule an appointment with me to formulate a plan for the completion of make-up work. Make-up work for extended absences (over 3 days) may be requested through the Counseling Office and picked up there.

Report Cards

In an effort to conserve resources and harness the capacity of our electronic grade reporting program (PowerSchool) district schools will no longer print hard copies of report cards unless requested by individual parents. To request a hard copy of your student’s report card, please contact the front office at 623-376-3000. To receive your PowerSchool login, please stop into the office with a valid photo ID.

Power School Online Access:

Grades and attendance may be accessed 24 hours a day online with your Power School access code. Access codes are available in the Counseling Office or Front Desk Monday – Friday 7:00 AM– 3:30 PM. You may check student progress regularly on the PowerSchool site using the same login for one or more students. For Mountain Ridge parents/guardians without home computer access, a computer with guest log-in capability is available in the Counseling Conference Room.

Academic Assistance/Office Hours:

In addition to the AcaPrep times built into our schedule each week, additional assistance/tutoring is provided on a weekly basis both by MRHS and individually by instructors. These office hours will be posted in my classroom, website, and/or Canvas at the start of each week. I will demonstrate to the students how to find my availability each week.

Daily Device Use (iPads)

Students should come to school with their iPads charged and ready to use in each class every day. Within each classroom teachers will identify for students the expected use during their class period.

Devices may not be used to record or take photos of other people without their consent. Consequences for classroom disruptions and misuse of devices will follow a progressive discipline model, beginning with a phone call home and progressing to office referrals for repeated or more serious offenses. Students who have devices out when not allowed by the teacher, or during testing, may lose credit on their test or quiz. See the Student Rights and Responsibilities consequence chart in the handbook located on the [Mountain Ridge High / Homepage](#) for more specific descriptions of infractions and consequences.

If you are having iPad or technology issues, please send me a Canvas Inbox message as soon as possible.

Recommended Supplies for this Course:

- Composition Notebook
- Pens/pencils/highlighters
- Paper
- School issued iPad-charged daily
- Google drive created with DVUSD academic email
- Paper towels
- Disinfectant wipes

Math/Science Calculator Policy:

Students may use calculators for specific assignments and tests as explained in class. A classroom set of scientific calculators are available for students as needed.

MRHS Laboratory Breakage Policy: The Mountain Ridge Science Department has a policy regarding the damage or breakage of laboratory equipment. In the event a student breaks any laboratory materials, that student will be responsible for paying the replacement cost of each item. A complete list of all laboratory materials and their costs are posted in each classroom. The students are taught proper procedures and laboratory etiquette to ensure the safety of our students during lab activities. This policy helps hold the students accountable for their actions and reinforces careful laboratory procedures.

VIDEO PROCEDURES AND CLEARANCE FORM

Grades 8-12

Videos, films and other taped materials rated PG/PG 13 (parental guidance) and non-rated may be viewed at school, but they must be:

- An integral part of the curriculum.
- Approved by administration prior to viewing.
- Approved by parent/guardian
- Each student must have a signed "Student Video Parent/Guardian Form" on file noting permission for each PG or PG13 video.

Human Body Pushing the Limits, not rated- Four episodes of the groundbreaking medical and science series that astounded millions. Utilizing the most up-to-the-minute information and cutting-edge CGI special effects, the show takes us inside our own bodies to explore a different system each week, and in the set here, researchers examine Sight, Strength, Sensation, and Brain Power. The Human Body Pushing The Limits, teaches by showing, not just telling, how things work, in fascinating and vividly illustrated detail. Explore the human body like you never have before in this groundbreaking series

Consent is located below on signature sheet.

PLTW Human Body Systems Honors Syllabus Signature Sheet

Please read the syllabus for this course which can be accessed at: <https://www.dvusd.org/Domain/2873> .
Select "Human Body Systems Honors Documents" from the left, select the syllabus.

I have read and understand all of the guidelines set forth in the syllabus for this class.

Student Printed Name _____ Period _____

Student Signature _____ Date _____

Parent/Guardian Signature _____ Date _____

Remind for HBS Honors

Remind will be used along with the email distribution list to notify students and parents of important information for the class. Your number will not be available to me.

Messages can be received through text or the Remind App.

To Register for Remind Messages for HBS

Text Number: 81010

Message: @d1504

Email Notifications:

From time to time emails are sent out to parents/students regarding important information. To ensure you receive communication, please verify your email is current Power Schools.

Video Clearance Permission for movies in PLTW HBS Honors Syllabus

Please check the appropriate line, sign below and return as soon as possible.

Select one option

_____ My student may watch the films listed in the HBS Syllabus online.

_____ I would prefer my student participate in an alternate assignment.

Student Name

Parent/Guardian Signature