**Health Science Anatomy & Physiology**

 **Syllabus**

Ms. Barriel

**Contact Information**

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Room: Cafeteria/108

**Course Description**: The Health Science Course is an interactive program designed for high school students to delve into the dynamic fields of nursing and healthcare, with a strong emphasis on anatomy and physiology. Through engaging lessons and hands-on activities, students will explore the roles and responsibilities of nurses while gaining an in-depth understanding of the human body and its various systems. The curriculum integrates essential nursing skills with a focus on anatomical structures and physiological functions, underscoring the importance of health education in nursing practice. Students will participate in practical simulations that reinforce their learning and allow them to apply their knowledge in real-world scenarios. In addition, the course offers opportunities to interact with guest speakers from the healthcare field, providing valuable insights into a range of nursing careers and the critical role that anatomy and physiology play in effective patient care. By emphasizing community health initiatives, the course helps students build a strong foundation in nursing principles and health science, inspiring them to pursue careers in the healthcare sector.

**Teacher/Parent Resources**: Zoom, Google Classroom

Conferences are available by appointment. Parents and teachers can connect via email for communication.

**Curriculum**

The Health Science Course for high school students centers on the intricate study of human anatomy and physiology, emphasizing how these disciplines are foundational to understanding healthcare practices. The curriculum begins with an overview of the major body systems, such as the skeletal, muscular, circulatory, respiratory, digestive, nervous, and endocrine systems. Each system is explored in detail, highlighting its structures, functions, and interconnections, allowing students to appreciate the complexity of the human body.

Students engage in hands-on learning through laboratory activities and interactive models, providing them with practical experience in identifying anatomical landmarks and understanding physiological processes. This experiential learning includes dissections and the use of advanced anatomical software, which enables students to visualize structures in three dimensions. In addition to theoretical knowledge, the curriculum emphasizes the clinical significance of anatomy and physiology, examining how these concepts apply to patient care and the diagnosis of diseases.

To further enrich their understanding, students work on case studies that require them to analyze real-life medical scenarios, applying their knowledge to assess conditions related to anatomy and physiology. Collaborative projects emphasize teamwork and communication skills, essential for future healthcare professionals. Guest speakers from various healthcare backgrounds provide additional insights, illustrating the importance of a solid grounding in anatomy and physiology for effective practice in nursing and other health-related fields. By the end of the course, students will possess a robust understanding of the human body and its functions, equipping them with vital knowledge for further studies in health science and healthcare careers.

**Materials**

Students are expected to bring the following materials listed below to each class:

· Pencil

· Eraser

· (1) 1 inch binder w/ dividers

· Pack of loose-leaf paper

· Color Pencils

· Highlighters

**Homework**

Homework is an essential part of the learning process at our Nursing Academy. It reinforces the material covered in class and allows students to practice their skills and knowledge independently. Completing homework on time is crucial, as it contributes to overall academic success and helps students stay on track with their studies. Additionally, any incomplete class assignments may be sent home to ensure that all work is finished and understood. Timely submission of homework not only fosters responsibility but also prepares students for the professional demands they will face in their nursing careers.

**Late Work**

Students are required to submit assignments on time; late submissions will not be accepted. If a student is absent, they are responsible for reaching out to a classmate or myself to inquire about any missed assignments. They will have a maximum of three days to complete any outstanding work after providing an acceptable excuse to the school. In cases of extenuating circumstances, parents should contact me to discuss alternative arrangements.

**MDCPS Grading Policy**

100% - 90% - A

89% - 80% - B

79% - 70% - C

69% - 60% - D

59% or below – F

**Weighted Grading Scale**

· 30% Assessments

· 25% Quizzes

· 20% Classwork

· 5% Homework

· 20% Projects & Cooperative Presentations

**General Classroom Rules**

Policies can be found in the school-wide Parent-Student Handbook.

* Come prepared each day with all necessary materials.
* Listen attentively and follow instructions.
* Always show respect to others.
* Keep your hands, feet, and belongings to yourself.
* Take care of school property.
* No food, drinks, or gum are allowed in class.

Consequences for Not Following Rules

1. Verbal warning
2. Change of seating arrangement
3. Detention
4. Parent/Teacher conference
5. Office referral

Depending on the severity of the offense, some steps may be omitted.

Conduct Grades - Conduct grades, represented by the letters A, B, C, D, or F, are used to communicate the teacher's assessment of a student's behavior to both the student and their parents. These grades are separate from academic and effort grades. The conduct grade reflects the student's overall behavior in class and is determined by multiple factors, rather than a single criterion.

Effort Grades - Effort grades, indicated by numbers 1-3, are used to communicate the teacher's assessment of a student's effort in relation to the instructional program to both students and their parents. These grades are distinct from academic and conduct grades. When assigning an effort grade, careful consideration will be given to the student's potential, study habits, and overall attitude.

Zero Policy (Z) A grade of "Z" signifies that the student has neither submitted nor completed the assignment. This policy serves to clearly communicate that the work required for the assignment has not been turned in, and as a result, the student will not receive credit for that task. It's important for students to understand that timely submission and completion of assignments are essential for their overall progress and grading in the course. If a student receives a "Z," they are encouraged to reach out to the teacher for guidance on how to make up the missed work, if possible.

Homework must be completed and submitted on time, ready at the start of class. All written assignments should be done in pencil, not pen.

Ensure that all supporting work is included for each problem. (Clearly show your answers.)

Each assignment must be properly labeled with your name, date, period, and assignment title.

Extra credit opportunities will be available.

Notebook Guidelines:

* Students are required to bring their notebooks to class daily to organize and document their work.
* Notes should be kept up to date, appropriately dated, and clearly labeled.
* Students will assess their own work and make corrections using pen.
* Notebooks will be collected and graded at random without prior notification.
* Plagiarism/Academic Integrity: All assignments must be completed with integrity. Plagiarism is defined as representing someone else's work as your own. Cheating on any assignment or assessment also constitutes a violation of ethical standards and school policies. Any work deemed to have cheating or plagiarism will receive a score of zero, parents will be notified, and disciplinary measures may be implemented.

**Syllabus Acknowledgment**

Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_

Student’s Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guardian’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guardian’s Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guardian’s Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relationship: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please sign below to confirm that you have read and understood the expectations for students this new school year. Students will receive a grade for returning this signed form. Thank you!

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Student Signature

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Parent/Guardian Signature