**Welcome to Anatomy & Physiology!**

I am very excited for the year ahead of us. We are going to explore many interesting topics together and I hope that you walk away from my class having had a positive experience. Additionally, I hope that you apply the information you learn in my class to your everyday lives and appreciate the importance of learning about the natural world around you.

* Mr. Rivers

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Teacher: Mr. Rivers

Room #: C202

Subject: Anatomy & Physiology – full year

Email: [JRivers@barnegatschools.com](mailto:JRivers@barnegatschools.com)

Textbook: TBD

Google Classroom code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (fill in during class)

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**Course Description**

Anatomy and Physiology explores the inner workings of the human body and focuses on anatomical and medical terminology. This course is the perfect foundation for students wanting to expand their vocabularies and learn about the body and its levels of organization, as well as the cooperation required between those levels. The text used in this course is written at the college level and should facilitate a smooth transition for students pursuing a postsecondary education.

**Course Objectives**

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| --- | --- | --- |
| **Timeframe** | **Unit** | **Instructional Topics** |
| 13 days | Language of Anatomy | Topic 1: Anatomy and Physiology  Topic 2: Body Systems  Topic 3: Language of Anatomy  Topic 4: Homeostasis & Feedback |
| 10 days | Histology | Topic 1: Epithelial Tissue  Topic 2: Connective Tissue  Topic 3: Muscle Tissue  Topic 4: Neural Tissue |
| 7 days | Blood | Topic 1: Composition of Blood  Topic 2: Function of Blood  Topic 3: Blood Disorders  Topic 4: Homeostasis of Blood via Hemostasis and Hematopoeisis |
| 8 days | Cardiovascular System | Topic 1: Parts of the Heart  Topic 2: Pathway of Blood  Topic 3: Electrical Currents of the Heart  Topic 4: Heart Disease |
| 15 days | Skeletal System | Topic 1: Appendicular and Axial Skeleton  Topic 2: Classification and Structure of Bone  Topic 3: Bone Identification |
| 10 days | Digestive System | Topic 1: Accessory Structures vs. Alimentary  Topic 2: Digestion of Macromolecules  Topic 3: Microscopic Anatomy |
| 10 days | Reproductive System | Topic 1: Sexual Development of a Fetus  Topic 2: Male and Female Reproductive Anatomy  Topic 3: Changes During Pregnancy |

**Academic Honesty**

The Barnegat Township School District places a strong emphasis on students’ integrity, and the district will not tolerate instances of academic dishonesty.  Plagiarism is the practice of copying words, sentences, images, or ideas for use in written or oral assessments without giving proper credit to the source. Cheating is defined as the giving or receiving of illegal help on anything that has been determined by the teacher to be an individual effort.  Both are considered serious offenses and are subject to consequences described in the Student Handbook and Board Policy #5701.

**Classroom Rules**

1. All school rules apply in my classroom.
2. Be prepared and on time.
3. Respect others.
4. Follow directions.
5. Keep the phones away, I’ll let you know when you can use them!
6. Focus and take care of what needs to be taken care of!

**Consequences**

Student discipline will follow these progressive steps:

1st offense: verbal warning

2nd offense: contact home

3rd offense: referral to office

**Class Participation Rubric**

|  |  |
| --- | --- |
| **Meets or Exceeds**  **Expectations**  **100 - 93** | The student:   * ensures that the class is a community of respect; * consistently arrives prepared for class; * voluntarily participates on a consistent basis; * consistently remains focused and on task; * initiates and sustains discussion; * evaluates and responds to peer points; * consistently demonstrates leadership in collaborative activities. |
| **Approaches Expectations**  **92 - 85** | * recognizes the class as a community of respect; * usually arrives prepared for class; * willingly participates on a regular basis; * remains focused and on-task on a regular basis; * contributes to discussion on a regular basis; * listens to and responds to peer points; * contributes to collaborative activities on a consistent basis. |
| **Does Not Meet Expectations**  **84 - 70** | * fails to recognize the class as a community of respect; * frequently arrives unprepared for class; * rarely participates, even when called upon; * lacks focus and rarely remains on task; * rarely engages in discussion; * reacts to peer points rather than responds; * rarely engages in collaborative activities. |

FAQ’s

**What will I learn in Anatomy and Physiology?**

This course will cover topics including: the language of anatomy, different body tissues, blood and the cardiovascular system, the skeletal system, the digestive system, and the reproductive system.

**What should I bring to class?**

3-ringed Binder, pocket folder, notebook/paper, and a pen or pencil to write with.

Textbooks will be stored and used in the classroom.

**How will I be graded?**

# 50% Major Assessments

30% Minor Assessments

20% Class Participation

\*\*Please note: the above areas are used as the basis for 80% of your grade for the course; the midterm and/or final exam will constitute the remaining 20% of your grade.\*\*

Major Assessments are summative in nature, therefore provide judgement on a student’s performance at the end of a required unit or activity. Major assessments may include the following:

* Tests
* Projects/Presentations
* Essays or written reports/research papers
* Dissections

Minor Assessments are formative in nature, therefore are ongoing and provide the teacher and student with feedback on the student’s progress in a particular area. Minor assessments may include the following:

* Quizzes
* In class worksheets or practice problems
* Do Nows or Exit Tickets
* Summary lab activity questions (handed in after a lab experiment)
* Short summary writings (3-4 sentences)
* Lab participation/completion
* Diagnostic tests
* Teacher observations

Homework

100% - Homework completed

75% - Homework attempted and at least 50% correct

50% - Homework attempted but less than 50% correct

0% - No attempt or not handed in

Class Participation grades will be assigned twice per marking period; once at the interim and once at the end of the marking period.

\*As per department policy, there is no extra credit.

**Can I hand in homework late?**

Yes, but for each day the assignment is late, the student will lose 25% off their maximum possible grade for the assignment.

IT IS THE STUDENT’S RESPONSIBILITY TO OBTAIN AND FINISH ALL MISSED ASSIGNMENTS. **IF YOU ARE ABSENT, SEE ME WHEN YOU RETURN**.

**Can I retake/re-do quizzes and tests?**

Yes, should a student wish to improve their test/quiz score they must meet with the teacher at a mutually convenient time for remediation. After remediation the student will be able to redo the questions they got wrong and receive 50% of the points back for each correct answer.

**What happens if I am late to class?**

Regular and prompt class attendance is an essential part of the educational experience. The Barnegat Township School District expects students to be responsible and exercise good judgment regarding attendance and absences.  Students accept full responsibility for ensuring that they complete any/all work missed due to absences. If you are late to class (unexcused) 3 times you will receive a detention and a CUT. *Three cuts and a student will receive credit withdrawal.*

**How can I get extra help?**

Occasionally, students will require additional help to master the content and skills in this course.  If you need additional help, there are a variety of options for you, including:

* Before/after school help sessions with your teacher
* Peer tutoring from NHS / NJHS students
* Free online tutoring with Brainfuse (available from the Barnegat Library website)

As your teacher, I am committed to your success.   If you need help, please ask!

Complete the following portion, cut it off, and return to me for a homework grade.

I have read and understand the syllabus for Mr. Rivers’ Anatomy & Physiology course.

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Student Signature Print Name

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Parent/Guardian Signature Print Name