

## *Welcome to Biology*

### *Teachers:*

Mr. John Fitz                      Office: 203              Phone #:301-279-8594  
e-mail: John\_M\_Fitz@mcpsmd.org  
Mr. Sanford Herzon              Office: 217              Phone #: 301-279-8595  
e-mail: Sanford\_M\_Herzon@mcpsmd.org  
Mr. David Bitler                      Office: 169              Phone #:301-279-8592  
e-mail: David\_P\_Bitler@mcpsmd.org  
Miss Kathryn Sander              Office: 203              Phone #:301-279-8594  
e-mail: Kathryn\_E\_Sander@mcpsmd.org  
Dr. Michael Kim                      Office 211              Phone #: 301-279-8172  
e-mail: Michael\_T\_Kim@mcpsmd.org

### *Course Description:*

Biology is the study of life. In this course we will be studying living things and their interactions with each other and the environment around them. We will be doing this through scientific inquiry activities and literacy activities. A brief description of each of the units is listed below.

| Unit                                | Description   |
|-------------------------------------|---|
| Ecology                             | This unit is the study of relationships. We study what life is and how living things relate to each other and their non-living environment                            |
| Chemistry of Life                   | In this unit we study the molecules that are most important to living things.   |
| Cells                               | In this unit we will study the smallest unit of life, the cell and all of its inner workings. We will study the cell membrane and transport into and out of the cell. |
| Energetics                          | In this unit we will study the processes that allow living things to take in, use, and pass on energy.  |
| Nucleic Acids and Protein Synthesis | In this unit we explore further the structure and function of the Biological molecules DNA and protein.   |
| Biotech                             | In this unit we investigate biotechnology and its current uses.   |
| Inheritance and applied Genetics    | In this unit we will study the ways that we inherit characteristics and the ways that scientists study those characteristics  |
| Evolution                           | In this unit we study the origins of life and how organisms evolve.   |
| Systematics                         | During this unit we will study how scientists classify and organize living things.  |
| Systems in living things            | In this unit we will study the components of and functions of body systems.   |

### *Academic support:*

Academic support will be available the following times in the following rooms:

|   |                                   |          |
|---|-----------------------------------|----------|
| 4 <sup>th</sup> pd 1 <sup>st</sup> 20 min | Dr. Kim                           | Room 222 |
| 5 <sup>th</sup> pd 1st 20 min             | Miss Sander, Mr. Herzon, Mr. Fitz | Room 216 |
| 6 <sup>th</sup> pd 1 <sup>st</sup> 20 min | Mr. Bitler, Mr. Fitz              | Room 221 |

***Grading:***

This class will follow the MCPS grading and report policy as such reassessment on all formative assessments will be allowed only after the student participates in a reassessment activity as decided by the teachers. Summative assessments will not be reassessed.

Unless otherwise indicated the due date and the deadline on all assignments will be the same.

***Grade break down:***

40% summative assessments: Tests and projects

50% formative assessments: Classwork, Bio lit assignments, labs and quizzes

10 % homework

***Grading scale:***

89.5%-100% A

79.5%-89% B

69.5%-79% C

59.5%-69% D

< 59% E

***Attendance:***

Wootton high school's attendance and tardy policies will be strictly enforced. Please consult your agenda book. If you have a scheduled absence (ie a field trip, college visit, etc.) any projects, homework assignments, or other work that had been previously assigned as being due that day is to be handed in on that day or prior to that day.

***Make-Ups:*** If you miss an activity assignment, lab, quiz, or test due to an excused absence such as an illness— you must make arrangements to do the assignment within 3 days after the absence. After 3 days, your grade will be a zero (0) - NO EXCEPTIONS.

***Academic Dishonesty:***

This is your official warning. Do NOT do it. Copying of assignments in the hallway, cafeteria, media center, and classroom is strictly prohibited. You will receive a zero grade and so will the person who you copied from. Cheating during quizzes and tests are not tolerated and students will receive a zero plus disciplinary action. Any of these infractions will result in notification to administrator, guidance counselor, and parents. It will also be entered into your permanent record.

***Textbook:***

We will be using the text book:

*Biology*, Prentice Hall (Miller, Levine), 2004- (\$80.00 obligation fee)