



## BIOLOGY 2 COURSE SYLLABUS

### COURSE INFORMATION:

Course Title: Biology II

Prerequisites: Biology I and Chem I

### INSTRUCTOR INFORMATION:

Barbara Waters, Ed.S.

Biology II and Physics Tech

Room: SUL 201, York Institute

School Phone: (931)879-8101

E-mail: bwaters@yaidragons.com

### TEXTBOOKS:

Campbell Biology, (11<sup>th</sup> Edition); Urry, Cain, Wasserman, Minorsky, Reece.

These will be provided for you to use; take good care of them. You are responsible for any costs due to damages. Other reading materials and textbooks may be provided for you to use as needed.

### REQUIRED MATERIALS:

Textbook	Binder	Eraser
Colored pencils	Pencils	Pens
Computer Access		

### COURSE DESCRIPTION:

Biology II is a higher level biology class designed for upperclassmen that have a high level of interest in the biological sciences. Students enrolled for this class should be self-motivated and willing to engage in critical thinking and analytical thought about our topics. The two main goals of the course are to develop a conceptual framework for modern biology and to gain experience and appreciation of biology through experimentation and inquiry. Biology II deepens the understanding of the scientific method and exposes students to the studies of cells, genetics, evolution, anatomy, physiology, zoology, and bacteriology. Because of the course content and pace, it is strongly recommended that students have a firm command of science process skills and age appropriate maturity in order to effectively manage the workload. Students will participate in projects that will develop the following skills: writing, critical thinking, technology usage, research, time management, cooperation, and presentation skills.

**COURSE OUTLINE: (Subject to Change)**

<u>FIRST NINE WEEKS</u>	<u>SECOND NINE WEEKS</u>
<u>UNIT 1</u>	<u>UNIT 5</u>
Process of Biology, Classification, Evolution	Cellular Respiration and Photosynthesis
Test #1	Test #5
<u>UNIT 2</u>	<u>UNIT 6</u>
Biochemistry	Gene Expression & Development
Test #2	Test #6
<u>UNIT 3</u>	<u>UNIT 7</u>
Cells and Cell Transport	Botany
Test #3	Test #7
<u>UNIT 4</u>	<u>UNIT 8</u>
Enzymes and Metabolism	Zoology
Test #4	Test #8

**GRADING METHOD:**

The course grade is composed of daily and major assessments. Major assessment grades account for 70% of the grade while daily assessments account for 30%

**Daily assessments** gauge progress and encourage daily preparation for learning. They quickly reveal gaps in knowledge, skills and success-oriented behavior that need to be addressed. They contribute to the total course grade but carry less weight. They include but are not limited to the following:

- |                     |                               |
|---------------------|-------------------------------|
| Quizzes             | Homework Assignments          |
| Article Reviews     | In-class Presentations        |
| Laboratory Practice | Biology Notebook Organization |

**Major assessments** gauge long-term retention and application of concepts. They contribute to the total course grade carrying the majority of the course grade weight. They include but are not limited to the following:

- |                            |             |
|----------------------------|-------------|
| Tests/Projects             | Lab Reports |
| Research & Reaction Papers |             |

**POINT WEIGHTING:**

Points accumulated during quarterly grading periods fall into the following categories with their respective percentages:

- |   |            |
|---|------------|
| Tests/Projects, Research/Reaction Papers, Lab Reports, Essays | 70% weight |
| Quizzes, Lab Reports, In-class Presentations                  | 30% weight |
| Homework, Notebook Quizzes, Essays                            |            |

This weighting scale means major assessment points have far more influence on your grade with day-to-day assessment serving as a buffer. Early in each nine weeks your course grade will appear inflated

because it will reflect only the lesser weight items. As greater weight items enter the picture, your course grade may shift dramatically. Whether the shift is toward the better or the poorer depends on the choices you make.

### **GRADE SCALE:**

There are many opportunities to gain points through daily assignments, major assessments, and meaningful extra credit activities each grading period. Letter grades are assigned accordingly with rounding of category percentages done by the high school grading system default setting.

Letter grades are assigned accordingly:

93-100%	A
85-92%	B
75-84%	C
70-74%	D
0-69%	F

### **CLASSROOM EXPECTATIONS:**

You, the student, are accountable for meeting classroom behavioral expectations consistent with YAI policy and those specific to this course. You are accountable for self-awareness and self-management. The expected behaviors include but are not limited to those listed below. The items listed here capture most of the day-to-day things that foster success for all students. Keep them in mind as you are confronted with day-to-day choices. Failure to follow these expectations may result in any of the following consequences: warning, afterschool detention, call to parents/guardian, administrative referral.

1. Horseplay of any kind in the classroom is always unacceptable. Depending on the nature of the behavior, any or all consequences may be applied.
2. Be in class, work ready to hand in and in your seat on time unless the Bellringer notation directs otherwise.
3. Have your materials with you everyday unless directed otherwise.
4. Show respect for yourself. Practice self-awareness and self-management.
5. Show respect for others. Practice self-awareness and self-management.
6. Make sure your clothing and behavioral choices are not a distraction to learning and instruction. And follow school dress code policies. Inappropriate attire will be met with a request to remedy.
7. Do not leave the classroom without permission. If an alarm sounds go to the designated place by way of the designated route as a group.
8. No usage of cell phone during class without permission.

### **ATTENDANCE PROCEDURES:**

Students should make every effort to attend class every day. Attendance is vitally important to the success of this course. Also, it is important to develop good attendance habits now, as they play a crucial role in success in college and in the workplace. However, if you do miss a day, you must show your blue slip on the next day you return. Also note that 3 tardies to class equals one absence.

**LAB SAFETY:**

Laboratory safety rules and procedures will be reviewed prior to any laboratory work. You will be required to follow all safety policies at all times!

**ACADEMIC DISHONESTY:**

Cheating, attempts to cheat, helping someone cheat, and plagiarism will be rewarded with a grade of 0% and possibly a call to parent/guardian depending on the type of assessment. See the student handbook for more information on Academic Dishonesty.

**LATE WORK:**

Assigned work must be turned in on time. Work will be picked up shortly after the bell. Any work submitted after that time will be marked LATE and receive half credit up to 2 days late. Anything turned in after 2 days late will receive a grade of 0%.

*“Get it done, get it in on time!”*

**MAKE-UP WORK:**

All work missed because of an excused absence must be made up, whether the absence resulted because of school activities, a prearranged excuse, or illness. It is up to you to get assignments that you missed and make up work. You have one week to make up work on get it turned in on time. TESTS, QUIZZES, LAB REPORTS, AND ESSAYS NOT MADE UP AND TURNED IN WITHIN THE ONE WEEK PERIOD WILL RECEIVE A GRADE OF 0%!!!

**RETAKE:**

There are no retakes in this class, so study and get it right the first time!

**ACCOMODATION OPTIONS:**

All IEP's, 504's, ILP's will be followed per state guidelines. Students with issues that are not easily apparent should meet with the teacher at first available opportunity to determine options.

***“Stay positive and happy. Work hard and don't give up hope. Be open to criticism and keep learning. Surround yourself with happy, warm and genuine people.”***  
**-Tena Desae**

***“You is kind. You is smart. You is important.”***  
**— Kathryn Stockett, The Help**

***\*note\****

*Due to the nature of this course, the above information, guidelines and procedures outlined in the syllabus are subject to change*

## Return to Ms. Waters

I \_\_\_\_\_ have read this syllabus carefully and understand what is expected of me by Ms. Waters. It is my intention to do my best to follow these rules and policies in order that Ms. Waters' class may run efficiently and learning may occur. Reminder: please sign up for my Remind account to receive updates and reminders about this class.

**X** \_\_\_\_\_

I, \_\_\_\_\_ the parent/guardian of the above student, have read and understand the policies of this syllabus and will do my part in aiding Ms. Waters in the education of my child. Reminder: please sign up for my Remind account to receive updates and reminders about this class.

**X** \_\_\_\_\_

Parent/Guardian E-mail: \_\_\_\_\_

Parent/Guardian Phone: \_\_\_\_\_

Special Comments or Concerns (anything your student might not want to discuss with me in person or anything that may help me understand your child better):  
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