

# BIOLOGY II – SYLLABUS

## Instructor

## Email Address

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## Textbook and Required Materials

- Biology, Miller and Levine, 2014.
- Three ring binder (for keeping note sheets, required assignments, and other important classroom papers).

## Description

*Biology II* is a full-year biology course that serves as a companion course to *Biology I*. In *Biology II*, we will, over the course of the year, review topics studied in *Biology I*, such as general scientific methodology, the chemistry of life, cells and their structure and function, biological reactions including photosynthesis and respiration, and animal systems. New topics we will study are ecology, cell division, genetics, and evolution, and classification.

## Goals

- For students to articulate what science is and is not, and to participate in scientific questioning and endeavors.
- For students to appreciate and comprehend the complexity and order of life.
- For students to understand the basic biological concepts and how they are connected to other scientific disciplines, and to society.

- Based on what we learn in *Biology I* and *Biology II*, ALL students will be at least proficient on the PA Keystone Biology exam.

### Requirements

Students will participate in all classroom assignments, including labs, review assignments, homework tasks, quizzes, and exams. Students will be required to complete reading assignments in the textbook and on handouts, as well as view teacher-created presentations outside of the classroom. Often, the model of the class will resemble a “flipped” classroom, requiring students to view lessons, and complete notes, outside of the classroom. This will allow us to work on “traditional homework” assignments together in the classroom.

Failure to complete assignments in a timely fashion, as dictated by due dates and instructions, unless satisfactorily excused by school rules or the granting of an extension, will result in assignments being incomplete, and will become permanent zeroes in the gradebook.

### Grading Procedure

Grades will be determined using the following weighted system:

- 50% - Assessments (traditional tests such as essay tests, vocabulary and section review quizzes, projects, or written papers)
- 20% - Participation/Classwork (in class work like review worksheets, bellringers, writing assignments, study guides)
- 20% - Outside of classroom assignments (viewing presentations and taking notes, reading text with guided reading assignment, writing assignments)
- 10% - Labs