



AP Biology Syllabus

Fall 2021, Spring 2022

Instructor Information

Instructor	Email	Class Time
@RevJASafford	jstafford@jpsms.org	2 nd Block (10:25 - 12:05 PM) 4 th Block (2:15 - 4:00 PM)

General Information

Description

Content/Investigations are similar to Honors Biology except in much greater depth-**THIS IS A COLLEGE-LEVEL COURSE!**

Unless you have taken a college-level course; this will be unlike anything you have done before! –

- **BE PREPARED TO CHANGE THE WAY IN WHICH YOU PREPARE, PARTICIPATE AND REVIEW FOR CLASS!**
- **WHAT WORKED BEFORE MAY NOT WORK NOW...QUALITY over quantity! DESCRIBE AND USE rather than define, ANALYZE, JUSTIFY AND EVALUATE instead of memorize!**
- **INPUT AND OUTPUT IS INVOLVED IN YOUR REVIEWING!!!!** See “Strategies for Success” below.

Expectations and Goals

Course Goal:

- **Preparation to take the AP Biology Exam on WED, MAY 11, 2022, 12 PM.**
- Reception of College Credit for achieving score of 3 or higher on AP Biology Exam

Course Materials

Required Materials

You will NEED the following for EACH Class Session

- Fully Charged School Issued Device
- Notebook [One for NOTES ONLY & One for LABS/SIMULATIONS REPORTS]
- Colored Pencils/Pens
- Growth Mindset - YOU WILL BE CHALLENGED (So will I) - Let's Grow & GLOW Together!

Optional Materials

You MAY need:

- 1.5-inch 3-ring binder
- loose-leaf notebook paper (no spiral bound notebooks or paper)
- highlighter
- 3 X 5 index cards for flashcards study

Required Text

OPEN STAX AP BIOLOGY - <https://openstax.org/books/biology-ap-courses/>

Biology, Sylvia S. Mader & Michael Windelspecht

Campbell Biology in Focus (ebook), Urry | Cain | Wasserman | Minorsky

Supplemental Texts as provided by Instructor

Course Schedule

Week	Topic	Reading	Exercises
Unit 1	Chemistry of Life	Selected Chapters	Investigation/Simulation 1
Unit 2	Cell Structure & Function	Selected Chapters	Investigation/Simulation 2
Unit 3	Cellular Energetics	Selected Chapters	Investigation/Simulation 3
Unit 4	Cell Communication/Cycle	Selected Chapters	Investigation/Simulation 4
Unit 5	Heredity	Selected Chapters	Investigation/Simulation 5
Unit 6	Gene Expression/Regulation	Selected Chapters	Investigation/Simulation 6
Unit 7	Natural Selection	Selected Chapters	Investigation/Simulation 7
Unit 8	Ecology	Selected Chapters	Investigation/Simulation 8

Exam Schedule

Date	Subject
Term 1	Chemistry of Life
Term 1	Cell Structure & Function
Term 2	Cellular Energetics
Term 2	Cell Communication/Cycle
Term 3	Heredity
Term 3	Gene Expression/Regulation
Term 4	Natural Selection
Term 4	Ecology
May 11, 2022	AP EOC Exam

JPS Grading Scale

A (excellent)= 100-90

B (above average) = 89-80

C (average) = 79-70

D (below average) = 69-60

F (failure) = 59 and below

Grading Requirements

Assignments (Minimum # per term)

Tests: 4 per term

Daily: 8 per term

Discussion Assignments/Homework: 6 per term

Grade Distribution

Tests: 50%

Daily: 40%

Discussion Assignments/Homework: 10%

Attendance

Students are expected to attend class at the assigned time. All students should have daily interaction with Canvas to be marked present.

Homeroom 8:00-8:35 a.m.

1st/5th Block 8:40-10:20 a.m.

2nd/6th Block 10:25-12:05 p.m.

3rd/7th Block 12:10 - 2:15 p.m.

4th/8th Block 2:20- 4:00 p.m.

For more details, visit the JPS Code of Student Conduct and Handbook at

https://www.jackson.k12.ms.us/cms/lib/MS01910533/Centricity/Domain/93/PDFs/student_handbook.pdf

Class Rules

Standards

1. EQUITY - AMPLE OPPORTUNITY for Success!
2. EXCELLENCE - Do ABSOLUTE BEST!
3. Excuses - AVOID MAKING THEM! Period

Safeguards of Success

- **Be Ready:** Being seated & working BEFORE tardy bell rings & Having ALL your stuff properly situated (book bags, devices, cell phones) means you're ON TIME!
- **Be Respectful** - to ALL persons, parents, peers, perspective, principals and professors
- **Be Responsible** - Do all you're supposed to, when you're supposed to, and even more than supposed to do.
- **Be Relatable** - DO speak words of peace and power, NOT profanity, pity, put downs, or pouting
- **Be Rational** - UNDERSTAND you can't do everything you want to do in here, or in life! Grow up...you'll see!
- **Be Reasonable** - You have the RIGHT to disagree, but NOT to be disagreeable. State your case. SOME things are Negotiable, others, NOT SO! Teacher will determine

Thou Shalt Not...

- Dress unscientifically
- Not have thy school issued device daily
- Defy the authority of THIS safe space up in here
- Not do all of thy work which the teacher giveth thee
- Place thy bookbag on the table that is set before thee
- Sleep or lay downeth thy head (IF you're sick, GO HOME!)
- Use God's, gangs, grandparents, or generations name in vain
- Cometh to thine class having NOT read or studied vocabulary

- Write, print, stamp, stain, cut, carve, mark, or annotate on anything without permission
- Covet thy neighbor's computer, or test paper, or homework, or classwork or any other thing that IS thy neighbor's!