

WELCOME TO SUPER (HS and AP) BIOLOGY



Class wish list

- **Dr. Ginny Berkemeier , PhD.**
- **berkemeierg@fultonschools.org**

What is **SUPER BIO?**

- **Invitation only course**
- **Counts for 2 science courses** – Honors Biology (Fall) and AP Biology (Spring)
- **Fall semester**
 - Honors Biology grading set up
 - Required Flex Fridays to cover 9th grade material and seat time
 - End of Course test (20%)
 - Major 40%, Minor 30 %, EOC 20 % and Practice 10 %
- **Spring Semester**
 - AP Biology grading set up
 - Major 55 %, Minor 35 % and Practice 10 %

End of Course GA milestone

20% of Fall semester
grade – EOC
Super Flex Fridays



GA milestone guide

Biology: Domain Structures and Content Weights

Reporting Categories and Content Standards

Reporting Category/Domain	Content Standards Assessed	Approximate # of Points	Approximate % of Test
Cells	SB1 (a, b, c, d, e)	9	20%
Cellular Genetics & Heredity	SB2 (a, b, c)	11	23%
	SB3 (a, b, c)		
Classification & Phylogeny	SB4 (a, b, c)	6	13%
Ecology	SB5 (a, b, c, d, e)	12	27%
Theory of Evolution	SB6 (a, b, c, d, e)	8	17%
Total		46	100%

Course Outline/Content

What is AP Biology?

AP Biology
Exam:
May 3rd 2027



- Equivalent of college courses
- Check with the receiving college for course credit and hours

Skill	Description	Exam Weighting (Multiple-Choice Section)
1. Concept Explanation	Explain biological concepts, processes, and models presented in written format	25%–33%
2. Visual Representations	Analyze visual representations of biological concepts and processes	16%–24%
3. Question and Method	Determine scientific question and method	8%–14%
4. Representing and Describing Data	Represent and describe data	8%–14%
5. Statistical Tests and Data Analysis	Perform statistical tests and mathematical calculations to analyze and interpret data	8%–14%
6. Argumentation	Develop and justify scientific arguments using evidence	20%–26%

AP BIO

Course units and weights

- All assessments are cumulative
- This means there are no standalone units.
- All units are connected - application of concepts are important

BIG IDEAS

The big ideas spiral across topics and units:

EVO Evolution

ENE Energetics

IST Information
Storage and
Transfer

SYI Systems
Interactions

Units	Exam Weighting
Unit 1: Chemistry of Life	8–11%
Unit 2: Cell Structure and Function	10–13%
Unit 3: Cellular Energetics	12–16%
Unit 4: Cell Communication and Cell Cycle	10–15%
Unit 5: Heredity	8–11%
Unit 6: Gene Expression and Regulation	12–16%
Unit 7: Natural Selection	13–20%
Unit 8: Ecology	10–15%

COURSE Expectations

Essential Skills

- Strong problem-solving skills: making connections between concepts and application to real world scenarios
- Self-guided practice outside of class
- Strong analytical adaptability and application

- Attendance is critical
- Notes – take physical notes in class and do the practice
 - Complete all practice tasks provided
- Schedule to come in for Flex Friday Tutoring
 - Bring your specific questions so we can help support you
- Come to class prepared:
 - Read textbook before coming to class
 - Bring questions to class
- Peer groups
- Stay focused
 - PUT AWAY the cell phone.

Expectations for exhibiting application of knowledge in AP Biology

Concept explanation

- Explain and apply biological process, concepts and modeling the application of content in written form to real world scenarios

Visual representation

- Analyzing visual representations of biological concepts and processes
- Succinctly making describing using biological concepts and process

Scientific equation and method

- Hypothesis statement, scientific variables and developing design process; representing and
- describing data; Statistical test and data analysis

Argumentation

- Claim, evidence and reasoning; Develop and justify scientific explanation using evidence.

COURSE SUPPORT

- **CANVAS:**
 - Lecture, practice, labs and handouts are posted
 - Reviews and suggested additional support
- **AP CLASSROOM:**
 - College board lecture videos and assigned practice
- **Textbook(Hard copy in Fall, Online copy access in Spring)**
 - Practice questions
- **KHAN Academy:**
 - Basic foundation review
 - Practice quizzes
- **FLEX FRIDAY TUTORING**
 - Small group – with SNHS student tutors helping and teacher support
- **Class time for review**

Contact information



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