

Summa Cum Laude AP Biology

Theme #1 (Part 1): Course Introduction

Who is Matthew Lee?



Education & Testing

- Junior @Daegu International School
- AP Biology (5) + SAT II Biology Molecular (800)

Honors & Awards

- Journal of Emerging Investigators
- Pre-Collegiate Global Health Review
- Samsung Humantech Paper Award
- International Genetically Engineered Machines
- World Science, Environment, and Engineering Competition
- World Youth Invention and Innovation Award
- International Science and Invention Fair
- John Locke Global Essay Competition
- New York Times Annual Student Review Competition

Why Matthew Lee?



- Always Taking Student's Perspective
 - I know what's difficult & how to go about it
 - I know the concepts that ACTUALLY MATTER
 - I know how College Board & teachers will test you
- Rapport & Passion & Grit

Who should take AP Biology?

- Pre-Medicine, Pre-Dental, Biomedical Science/Engineering Majors
- Recommended as a “challenge course” for sophomores and juniors
- KBO, USABO, BBO Open Exam Candidates
- Professional Biomedical Extracurricular Activity Participants

Why is AP Biology so “special”?

- Most advanced biology course in most high schools
- Can receive a 5 WITHOUT any laboratory, on-hand experience
- Low percentage of students receiving a 5

Exam	5	4	3	2	1
AP Biology	7.4%	19.4%	32.4%	30.0%	10.8%

Best, classic, and standard way to prove your knowledge in biology

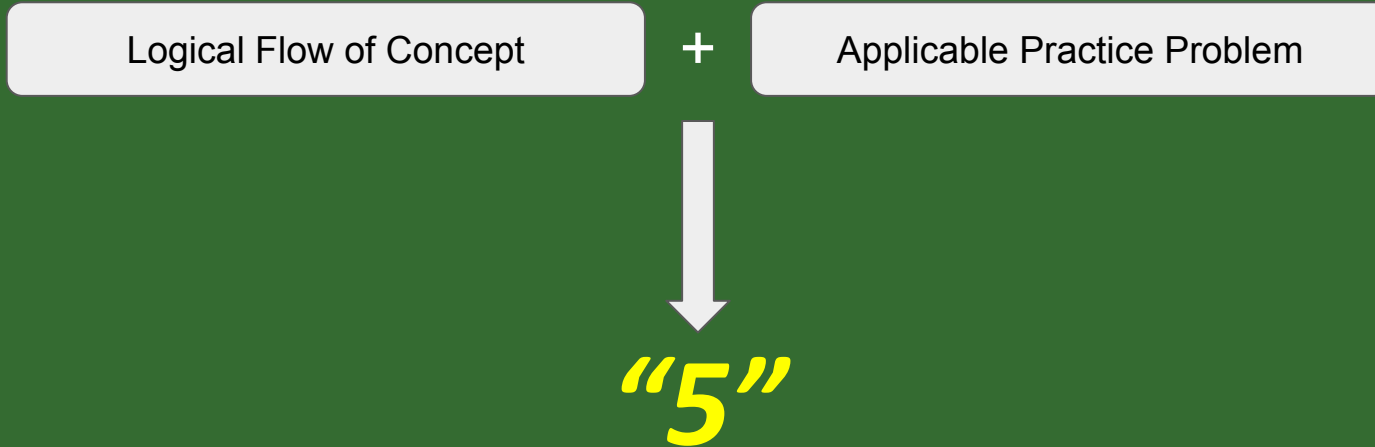
Why is AP Biology so “difficult”?

- Overall Course Pace: Very Fast
- Concept Amount: High
- Concept Difficulty: High
- Exam Difficulty: High

“AP Biology is a fast-paced course with vast, difficult concepts covered, followed by a difficult exam”

Is receiving a 5 on AP Biology impossible?

- Simple Answer: No



Course Outline

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 Structure

1. Summa Cum Laude AP Biology: The Concept

- 70 concept videos with review questions (31 themes)
- Adapted to 2020 Effective College Board AP Biology Course & Exam Description
- Emphasis on major concepts and exam-relevant details
- Review questions per topic that reflect lectured concepts and details

Course Structure

2. Summa Cum Laude AP Biology: MCQ

- Strategies and approaches to solving MCQ set
- Answers and explanation of released/commercial MCQ set (8 themes; 48 videos)

3. Summa Cum Laude AP Biology: FRQ

- Strategies and approaches to solving FRQ set
- Answers and explanations of released 2016~2022 FRQ set (8 themes; 48 videos)

Course Characteristics

- Note-based, iPad-recorded lecture videos that portray confidence and expertise
- Offering a 2020 Effective College Board AP Biology Course & Exam Description-based guideline of what must be learned and to what extent
- Emphasis on the logical flow of the concepts & smooth transition to practice problems

Course Characteristics

***College Board teaching guidelines + textbook concept references + College Board past exams = exam-relevant lecture notes and practice question/mock exam set**

- Campbell Biology 10th Edition
- 2020 Effective College Board AP Biology Course & Exam Description
- College Board-released MCQ (2012) and FRQ (2016~2022) set
- Princeton Review AP Biology Premium Prep, 2023
- Barron's AP Biology Premium, 2022-2023 + And More...

Recommended Audience

- Students preparing for the AP Biology exam in May
- Students enrolled in Regular, Honors, and AP Biology courses
- Students preparing for biology olympiads and extracurriculars

Final Notes

- Can be used for Regular, Honors, and AP Biology Course
- Can be used for students taking “Exam Only”
- US/International and Standard/Late exams = usually similar difficulty

Are You Ready?

- Stay confident and conscientious
- I will teach you the concepts & techniques needed to get you a HIGH-FIVE!

