



AP Biology Exam Prep

Course Description & Goals

The Advanced Placement Program provides an opportunity for high school students to pursue and receive credit for college-level course work. AP Biology offers students the ability to participate in an internationally recognized program whose standards are widely known and highly regarded. Students can measure themselves against a challenging national collegiate standard and possibly receive college credit and/or advanced standing for their work. Even if credit is not awarded, admission offices recognize the rigor of AP courses on a transcript and may factor them in when determining college acceptance. AP students are also well prepared and confident about handling advanced work because they have already been performing at that level. The revised AP Biology exam, instead of focusing on broad topics, tests students on their critical-thinking abilities and performance in inquiry-based curriculum. This 12-week course provides a review of each of the topics and prepares the student to earn a score of 5. All lectures are given in English.

Instructor

John Kim – STEM & ROOT Academy Founder

Units of Instruction

Topic	Chapters (Campbell)	AP Exam weighting
Unit 1: Chemistry of Life	1-5	8-11%
Unit 2: Cell Structure and Function	6-7	10-13%
Unit 3: Cellular Energetics	8-10	12-16%
Unit 4: Cell Communication and Cell Cycle	11-12	10-15%
Unit 5: Heredity	13-16	8-11%
Unit 6: Gene Expression and Regulation	17-21	12-16%
Unit 7: Natural Selection	22-27	13-20%
Unit 8: Ecology	52-56	10-15%



Lecture

1. Self-paced. **No grading provided** (Answer keys will be provided instead)
2. **Previously recorded live lecture videos (2023 Spring) will be provided.**
 - Disregard dates mentioned in videos.
 - No live Simulation Test session provided.
3. 12 sessions * 2 hours = 24 hours in total.
4. You have unlimited access to all 12 lecture recordings **until Thursday, May 16, 2024** (2024 AP Bio exam date).

Course Materials

- **We will provide all class materials**
(Campbell biology textbook slides, AP Bio summary packets, 6 Simulation Tests & answers, 5 FRQ practice packets with answers etc.) except the textbook.
- **Textbook: Campbell Biology (Pearson)** 10th or newer edition, Reece, Urry, Cain, Wasserman, Minorsky, Jackson.
- 3- ring binder (or other organizer of choice for lecture notes and handouts): **Lecture materials should be printed out** and organized in order.
- Calculator (Graphing calculator is allowed even if we do not need it)