

## Who Should take AP Biology?

Students pursuing a career in health/biological sciences like medicine, Forensic science, biomedical engineering, pharmacy, nursing, patent law, molecular biology, genomics, proteomics, biotechnology, bioinformatics course chemistry, biochemistry and chemical engineering. (to name a few)

Highly suggested for any student planning Pre-Med, Pre-Law, Pre-Vet, Pre-Dent, Pre-Pharm, or any pre-professional program of study.

Take advantage of the opportunity to experience college level course work in the supportive environment of a high school classroom!

### How to succeed in AP Biology:

- Learn the difference between memorizing and understanding.
- Focus on the how and the why not on the what.
- Ask questions frequently, politely and with an earnest desire to learn the answer.
- Actually read the textbook.

### Extra Help:

Tutoring sessions are offered weekly on Tuesdays from 2:30-3:00.

Additional help sessions can be arranged with the instructor.

## AP Biology Course Overview

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

### Laboratory Requirement

This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry based investigations that provide students with opportunities to apply the science practices. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

### AP Biology Exam: Overview

Exam questions are based on learning objectives, which combine science practices with specific content. Students learn to

- Solve problems mathematically — including symbolically
- Design and describe experiments and analyze data and sources of error
- Explain, reason, or justify answers with emphasis on deeper, conceptual understanding
- Interpret and develop conceptual models the entire exam. Students also receive a formula list as part of their testing materials.

### PIKE HIGH SCHOOL

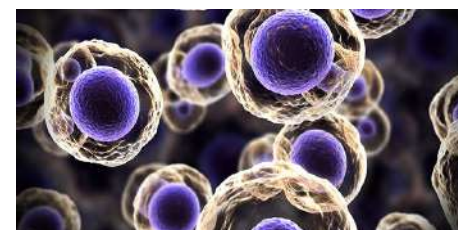
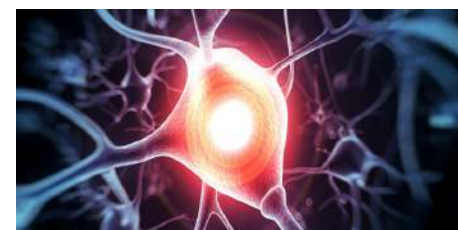
For more information:

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## AP Biology



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**Why take (insert  
course name)?**

**COURSE OBJECTIVES:**



*Insert picture of some-  
thing related to your  
class*

**COURSE TOPICS:**

**Material Covered—Semester 1**

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**COURSE GRADES:**

**Material Covered—Semester 2**



*Insert picture of  
something related  
to your class*