

**BIOLOGY FROSH**  
Mr. Ikioda

# **COURSE OUTLINE**

## **Chapters by Quarter**

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**Miller & Levine**



## **INTRODUCTION**

Biology by Miller & Levine will be the electronic textbook used in this course, Biology Frosh or Freshman Biology. The textbook can be accessed through the PowerSchool website. There will be a demonstration in class on how to access and use the textbook.

### **Chapter Plan by Quarter**

The following order of chapters was designed to present knowledge that will build upon itself throughout the semester and year. This will allow you to review and plan ahead accordingly.

**Quarter 1**

Chapter 1	The Science of Biology
Chapter 7	Cell Structure and Function
Chapter 8	Photosynthesis
Chapter 9	Cellular Respiration
Chapter 10	Cell Growth and Division

**Quarter 2**

Chapter 11	Introduction to Genetics
Chapter 12	DNA
Chapter 13	RNA and Protein Synthesis
Chapter 14	Human Heredity
Chapter 15	Genetic Engineering
Chapter 16	Darwin's Theory of Evolution
Chapter 17	Evolution of Populations

**Quarter 3**

Chapter 18	Classification
Chapter 19	History of Life
Chapter 3	The Biosphere
Chapter 4	Ecosystems and Communities
Chapter 5	Populations
Chapter 6	Humans in the Biosphere

## Quarter 4

- Chapter 2      Chemistry of Life
- Chapter 34     Endocrine & Reproductive Systems
- Chapter 33     Circulatory & Respiratory Systems
- Chapter 35     Immune System & Disease
- Chapter 30     Digestive & Excretory Systems
- Chapter 31     Nervous System
- Chapter 32     Skeletal, Muscular, and Integumentary Systems

\*Order subject to change for quarter 4.