



Health Science / Pre-Med Pathway Biology Olympiad Jr. (8-9th Grade)

Instructor: Michael Funaro

Sep 30 - Nov 20, 2020

W, F (4:40 - 6:10 pm)

Course Description

FLEX's Biology Olympiad Junior program is designed for current 8th and 9th graders who have an interest in the biological sciences and have NOT yet taken Biology or Biology Honors. Students will learn the 18 fundamental concepts of biology over the course of the school year to prepare them for high school-level Biology, Biology SAT subject Test, as well as build a strong foundation for Biology Olympiad 1-2 years in the future. As part of the course, students will take diagnostic versions of these exams to chart their progress. The class will include a discussion of several careers that are possible in the fields of biology ranging from medicine to bioinformatics to green technologies.

Topics will include:

- Properties of Life
- Water
- Organic Molecules
- Enzymes
- Cells and Organelles
- Membranes
- Energetics, ATP
- Cellular Respiration
- Cellular Respiration
- Photosynthesis
- Nucleic Acids
- DNA Replication
- Transcription
- Translation
- Cell Cycle
- Meiosis
- Genetics
- Punnett Squares
- Non-Mendelian inheritance
- Natural Selection
- Evolution
- Speciation
- Digestive System
- Circulatory System
- Respiratory System
- Nervous System
- Excretory System
- Plant Anatomy
- Plant Transport
- Mitosis

Program Objectives:

- Preparation for 9th Grade Biology,
- Full Preparation for SAT Biology Subject Test
- Beginning USA Biology Olympiad Prep

Curriculum: Miller & Levine Biology Textbook (provided)

FREE 4 Week Preparation Course:

- Register by 8/31
- Classes on 9/4, 9/11, 9/18, 9/25
- F (4:40-6:10 pm)

Instructor Background: Michael Funaro (FLEX Principal Tutor)

- UCLA: BS/MS in Bioengineering
- Former high school math & science teacher
- Other experiences include: Johnson & Johnson, Medtronic, Genzyme

Tuition: \$1,495 (+\$50 curriculum fee)

- Early registration: \$200 off by 8/31
- Returning students: 20% off by 8/24
- Returning students who refer a friend: both get total 40% off by 8/24
- Discounts cannot be combined with other offers
- Tuition must be paid in full to receive discounts

For more information or to register, please contact pathways@flexcollegeprep.com
or call (408) 252- 7742.