

The liveBio Program

June 2020 - August 2020

About

This program offers rigorous classes for 7-9th graders that will give students an overview of **high school biology**. All fees will be donated to a nonprofit organization known as, Abby's House, to provide shelter for homeless women and children. In a short 3-week period, students will have covered all topics in either CP or Honors biology, depending on the course they choose. The honors course will have a faster pace and will proceed to go more in-depth with the unit topics of biology. The main goal of this program is to help students with interest in biology to get ahead of the game, so when these topics are introduced in school, they will have a better understanding.

AP biology classes will be a one-on-one tutoring session for thirty minutes and are offered to any student 9th grade and above. Timings will vary as the student will be able to contact the teacher about specific topics of interest and set up a virtual time to meet at the email above.

Sessions

June 29th - July 17th: CLOSED

- CP Classes: 8:30 am - 10:00 am
- Honors Classes: 10:00 am - 11:30 am
- AP Class: timing varies

July 20th - August 7th: DEADLINE (July 18th)

- CP Classes: 8:30 am - 10:00 am
 - Honors Classes: 10:00 am - 11:30 am
 - AP Class: timing varies
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Biology Units

- The Nature of Life
 - Science of Biology
 - Chemistry of Life
- Ecology
 - The Biosphere
 - Ecosystems and Communities
 - Populations
- Cells
 - Structure and Function
 - Photosynthesis
 - Cellular Respiration and Fermentation
 - Cell Growth and Division
- Genetics
 - Mendelian Genetics
 - DNA
 - RNA and Protein Synthesis
- Evolution
 - Darwin's Theory
 - Evolutions of Populations
 - Classification
- Plants and Microorganisms (Not for CP)
 - Viruses and Prokaryotes
 - Protists and Fungi
 - Plants Structure, Function, Reproduction, and Response
- Animals (Not for CP)
 - Animal Systems
 - Animal Behaviour and Evolution
- Human Body
 - Digestive and Excretory System
 - Nervous System
 - Skeletal, Muscle, Integumentary Systems
 - Circulatory and Respiratory Systems
 - Endocrine and Reproductive Systems
 - Immune System and Disease

Cost and Deadlines

Online Class

Online classes will be conducted every morning through **Google Meet**. Within 24 hours after registration, an email will be sent out with a code to the virtual Google Classroom in which students will be able to interact with each other and with the teacher. To register, please go to the Registration section of this document.

Cost

This program will be donating all profits to Abby's House Charity. CP classes will cost a total of \$125, and Honors classes will be a total of \$150. Each AP bio session will be \$10. Note that this course will cover all topics of biology taught at the high school level in 22.5 hours. Note that for AP registration, prior knowledge of biology is required.

Deadlines

The deadline to sign up for the first session of this program will be June 28th at 11:59 pm. The deadline to sign up for the second session will be July 18th at 11:59 pm. Please note that any sign-ups after these deadlines will not be considered as a tight schedule needs to be upheld and the meeting code will need to be sent out.

Charity Donation

All proceeds from this program will be donated to Abby's House, an organization whose mission is to provide shelter and housing to homeless women with or without children. Named after Abby Kelly Foster, an advocate for women's rights, this organization strives to empower women. They have helped over 14,000 women in Worcester, MA through the years, and are currently the largest provider of affordable housing in Worcester. During this Covid-19 crisis, Abby's House stands strong and is devoted to the safety of women and children who are experiencing housing issues.

Payment Methods

Online Payment - Pay by Venmo to the account padgupta@yahoo.com

Online Payment - Pay by Zelle to the account padgupta@yahoo.com

Online Payment - Pay by Paypal to the account padgupta@yahoo.com

Mailing Payment - Mail/Drop a check to 3 Tory Lane, Northborough MA, 01532. Please make the check out to "Pradip Gupta" and make the memo out to "Abby's House".

If you do not wish to pay for the entire program at once, please contact the email listed above to talk about weekly or daily payment methods.

Registration

To register for the following program, please fill out the Google Form by clicking on the link below. After signing up and paying the proper amount, an email will be sent with the Google Classroom code to join the virtual class. For any questions, please email livebioclass@gmail.com.

https://docs.google.com/forms/d/e/1FAIpQLSdy8WRiBh2U_0nEVD2vM5bcbIpz9ApYGcO-yubB-dMH9h990g/viewform?usp=sf_link

Teacher's Note

Hi, my name is Sonal Gupta. Welcome to liveBio! I am a current junior at the Advanced Math and Science Academy and have aced both honors and AP biology. I will be instructing online biology classes this summer over a 3-week period to help students have a fuller understanding of the biology field of science. This program is a donation project, where all proceeds will be donated to Abby's House in Worcester, MA. I encourage you to join if you have any interest in biology, as we will be covering topics that vary from small cells to large ecosystems.