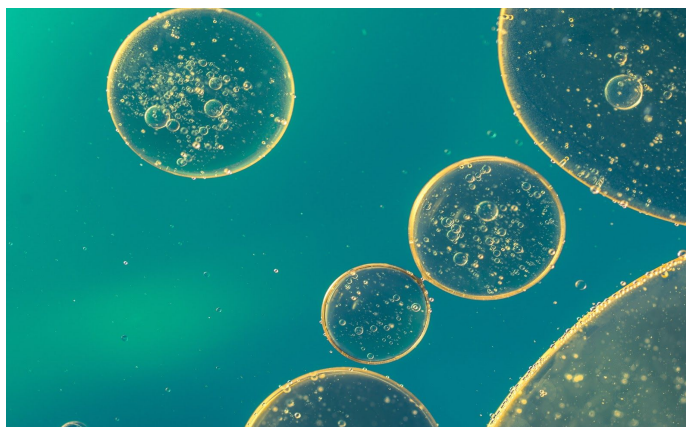


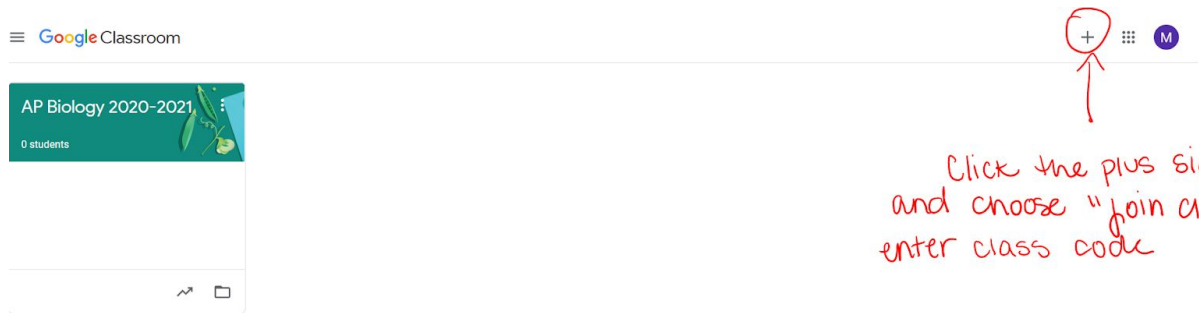
AP Biology Summer Assignment 2020



Ms. Taylor - mtaylor@rivercityscience.org

Welcome to AP Biology!! :)

1. Your first task is to join our google classroom for AP biology.
Go to classroom.google.com, click on the plus sign on the top right corner next to your name (make sure you are signed in using your rcsa email!!!), click “join class” and enter the code: **52e2mr7**



And.... you're in!! We'll be using google classroom to write lab reports, complete homework assignments, and more. I will also be posting optional resources for you to browse through before class begins in August. I highly recommend you utilize these! It will make for a much smoother transition into the class, especially if you struggle with chemistry concepts.

2. Much of AP Biology will be using the content that you will learn in class to analyze real-world situations. As such, your summer assignment will be to read a book (all of which are about real life applications of biological concepts) from the following list of suggested reading. **You will then write a book report that will be due on the first day of school.** The rubric for this assignment is posted on google classroom, and you will complete your book report/submit it in that same post.

SUGGESTED SUMMER READING LIST

These two are AP Biology classics and I strongly recommend both:

- The Immortal Life of Henrietta Lacks, Rebecca Skloot
- Your Inner Fish, Neil Shubin

Other Books (all with very good reviews, too) -

I. MOLECULES AND CELLS:

- Life Itself, Crick
- Symbiosis in Cell Evolution, Margulis
- Cell Biology, Sheeler and Bianchi
- Bioenergetics, Lehninger

II. GENETICS AND EVOLUTION

- Genome, Ridley
- Rosalind Franklin, The Dark Lady of DNA by Brenda Maddox
- Double Image of the Double Helix, Grobstein
- The Double Helix, Watson
- Interferon, Edelhart and Lindenmann
- Genetic Prophecy, Beyond the Double Helix, Harsanyi and Hutton
- Genetic Fix, Etzioni
- The Panda's Thumb—Ever Since Darwin, Gould
- Hen's Teeth and Horses Toes, Gould
- Darwin's Century, Easley
- Darwin and the Beagle, Moorehead
- Autobiography of Charles Darwin, Darwin
- Molecular Basis of Evolution, Anfinsen
- One Life, Richard Leakey
- Discovering the Past, Mary Leakey
- Mapping Our Genes, Lois Wingerson

- The Pattern of Evolution, Niles Eldredge

III. ORGANISMS AND POPULATIONS

- Stiff, Mary Roach
- Vitamin C and the Common Cold, Pauling
- Some Must Watch While Some Must Sleep, Dement
- The Mismeasure of Men, Gould
- The Evolution of Culture in Animals, Bonner
- King Solomon's Ring, Lorenz
- Silent Spring, Carson
- Immunology, Hood, Weisman and Wood
- Elephant Memories, Moss
- The Diversity of Life, Edward O Wilson
- Naturalist, Edward O Wilson
- The Beak of the Finch, A Story of Evolution in Our Time, Jonathan Weiner
- Journey of Ants, Holldobler and E.O. Wilson
- Song of the Dodo, David Quammen
- Why Geese Don't Obese (And We Do), Eric Widmaier
- The New Healers- The Promise and Problems of Molecular Medicine in the 21st Century,
Clark
- At the Water's Edge: Macroevolution and the Transformation of Life, Carl Zimmer
- Nobel Prize Women in Science, McGrayne
- Sand County Almanac, Aldo Leopold

I am excited to learn with you all this upcoming year! Please feel free to email me with any questions or concerns that you may have.