

AP Biology 2019-20 Summer Reading

Read one non-fiction book over the summer and keep a reflection journal. Each student must choose a different title. When we return in the fall, everyone will give a presentation on his/her book. Both the reflection journal and the presentation will count as quiz grades. Additionally, there will be a quiz covering all the oral reports. So, your first three grades will be based on the proverbial "Tell me what you did last summer." You must have approval of your title beforehand.

I (Dr. Ham) have read most of the books below and will be reading a few others this summer. Please don't spend money on a book. The Knox County Library has many of these, and I have a handful that you may borrow (marked with *). Many of the titles are available as ebooks from the Library or other places.

This list covers a broad range of topics, from diseases to creation to honeybees. Some titles have a specific creation/intelligent design focus and some a specific evolution focus and some have neither. At CCS, we want you to not only be educated in all current scientific ideas, including evolution, but also to critically examine these ideas through a Biblical worldview. We will be discussing these ideas regularly in AP Biology. Happy reading!

- Agosta, William C. *Thieves, Deceivers, and Killers: Tales of Chemistry in Nature*
- Alvarez, Walter. *T-Rex and the Crater of Doom*
- Axe, Douglas. *Undeniable: How Biology Confirms our Intuition that Life is Designed*
- Behe, Michael. *Darwin's Black Box: The Biochemical Challenge to Evolution*
- Carson, Rachel. *Silent Spring*
- Carroll, Sean B. *Serengeti Rules*
- Close, William T*. *Ebola: Through the Eyes of the People*
- Darwin, Charles. *Origin of Species*
- Dawkins, Richard*. *The Selfish Gene*
- Ellis, Hattie. *Sweetness and Light*
- Frank-Kamenetskii, Maxim D*. *Unraveling DNA: The Most Important Molecule of Life*
- Henig, Robin*. *The Monk in the Garden: The Lost and Found Genius of Gregor Mendel, the Father of Genetics*
- Hollandsworth, Skip*. *The Midnight Assassin: panic, scandal, and the hunt for America's first serial killer*
- Kean, Sam*. *The Disappearing Spoon: And Other True Tales of Madness, Love, and The History of the World from the Periodic Table of the Elements*
- Kolata, Gina*. *Flu: The Story of the Great Influenza Pandemic*
- Mukherjee, Siddhartha. *The Gene: An Intimate History*
- Pollan, Michael*. *The Omnivore's Dilemma: A Natural History of Four Meals*
- Roberts, Royston M. *Serendipity: Accidental Discoveries in Science*
- Skloot, Rebecca*. *The Immortal Life of Henrietta Lacks*
- Yong, Ed*. *I Contain Multitudes.*

Reflection Questions as you read:

1. Who is the author? What are the author's credentials and how reputable is the author?
2. What are some words you don't know or some questions you have? What vocabulary words have you learned from this book?
3. Which part of the book are you having the most difficulty understanding or connecting with? Why do you think this is?
4. Find a quote that is interesting to you and explain why you chose it.
5. What do you know now that you didn't know before?
6. Does the content in the book affect your life? How so?
7. Of the information you learned, what would you like to share with someone else?
8. Who should or shouldn't read this book and why?
9. Is there a call to action or a caution within this book?
10. Now that you've read this book, what do you want to learn more about?