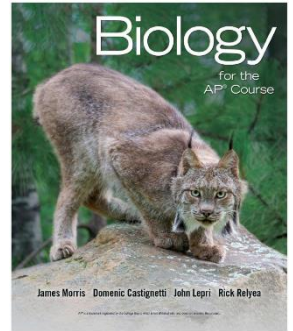


University of Detroit Jesuit High School & Academy
AP Biology Summer Work Assignment

AP Biology Students should complete the following over the summer in preparation for the AP Biology Course. Relevant textbook modules are listed, as well as links to power points for these topics.

The textbook for 2024-25 will be “*Biology for the AP Course*”, by Morris, J., Castignetti, D., Lepri, J., and Relyea, R. 2022. Bedford, freeman & worth high school publishers. ISBN:9781319113315



1. **Review the Scientific Method** and main themes for the course.
 - a. *Textbook: Module 0 – Introduction* (pages 1-17)
 - b. **Scientific Method Power Point (PDF):** [Scientific Method and Statistics.pdf](#)
2. **Review the Chemistry of Life** - The concepts in these modules and the power point should be mostly review from previous biology and chemistry courses and will serve as the foundation for Unit 1 of the AP Biology course.
 - a. *Textbook: Module 1 – Elements of Life* (pages 26-42)
 - b. *Textbook: Module 2 - Water and Life* (pages 43-53)
 - c. **Power Point (PDF):** [Chemistry of Life Power Point Presentation.pdf](#)
3. **Review Graphing & Statistics** – Some of these topics (stats) may be new to you, while others (graphing) may be review. Please look over all of them as you will be graphing a lot this semester (both by hand and using Microsoft Excel), and statistical tests are a big topic on the AP Exam.
 - a. *Textbook: Tutorial 1- Statistics* (pages 20-25)
 - b. **Graphing Power Point (PDF):** [Graphing Basics.pdf](#)
 - c. **Statistics Power Point (PDF):** [Means, Standard Dev, and SEM Calculations.pdf](#)

We will hit the ground running on the first day of class, so it is important that you review this material over the summer. It will make your first few weeks of school much more manageable in AP Biology. You should be prepared to take a quiz on the concepts presented in Modules 0, 1 and 2 the week of August 26th (the statistics will not be on the quiz, but we will begin using them with our first lab and other activities for Unit 1).

If you have any difficulties accessing the power points linked here, please feel free to email me. As soon as students are officially assigned to AP Biology on MUDJ, I will create a topic called “Summer Work” and post these power points there, as well.

Have a wonderful summer. Looking forward to meeting you in August.

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