**IB DP Biology-Year 1**

Welcome to IB DP Biology! This two-year course is designed to give you the analytical tools and content knowledge which will aid you as you are confronted with local and global issues happening in the world around us. IB Biology will provide you with the knowledge and skills necessary to understand scientific issues, and be able to make educated decisions about our society’s policies toward how science will continue to improve and affect our lives.

In year one of the course, we will cover both Standard Level AND Higher Level content in the following core areas:

 **-Cell Biology**

 **-Molecular Biology**

 **-Genetics**

 **-Evolution and Biodiversity**

 **-Ecology**

Part of this year’s content will build on the knowledge gained in Honors Biology in 9th grade. As a review, please refresh your memory of the following concepts using any materials from 9th grade biology and <https://ib.bioninja.com.au/welcome-to-the-bioninja/> :

 **-Prokaryotes vs. Eukaryotes**

 **-Macromolecules (carbohydrates, lipids, proteins, nucleic acids)**

 **-Structure and function of DNA**

 **-Genetics (vocabulary and basic Punnett squares)**

**\*Any review submitted in WRITTEN format will earn extra credit points towards their first test.\***