

**COURSE TITLE:** IB Biology 1

Level of Difficulty	Estimated Homework	Prerequisites
Very Difficult	60-90 minutes	<b>District:</b> B- or better in Honors Chemistry and Honors Biology <b>Department Suggestion:</b> B- or better in Honors Chemistry and Honors Biology

**Course Description:**

IB Biology 1 is the first year in a two-year higher level (HL) course in biology. IB Biology 1 is required to continue into year 2 as there are a required number of lab hours mandated by IB.

In IB Biology 1, there is a heavy emphasis on independent thinking, student investigation and inquiry skills, research, analysis, and application. Students will communicate their ability to apply, critique and revise their findings in several ways such as professional-level visual, written and oral communications. Several independent, in-depth lab reports will be submitted.

In IB Biology 1, students will revisit concepts learned in Honors Biology but will explore these concepts at a much greater level of depth. This course is designed to meet the curriculum requirements of the International Baccalaureate Program. This course incorporates recent scientific thinking and emphasizes opportunities for research and discovery as well as personal experience in the use of the scientific method. Students will further their content knowledge of biology in preparation for IB Biology HL 2. Students will continue to build on the content they explored in Honors Biology, including the nature of science. Units of study include preparing for their individual Internal Assessment experiment in year 2, statistics, photosynthesis and cellular respiration, further exploration of genetics and gene regulation, further exploration of evolution, and ecology.

**Grading:**

The grading system is based on weighted categories. Each assignment will have a point value within the weighted category. Assessments and labs are weighted more heavily than homework. Individual teachers may make modifications on the weighted percentages.

**Syllabus:**

To be provided by teacher

**Supplemental Information:**

Students can only take the IB Biology exam after both IB Biology 1 and IB Biology 2.

Homework Estimate: This is a general guideline for planning and scheduling purposes. A student's ability level may affect actual amount of time needed.