

COURSE TITLE: IB Chemistry Year 2

Level of Difficulty	Estimated Homework	Prerequisites
Very Difficult	60-90 minutes	District: B- or better in IB Chemistry 1 Department Suggestion: B- or better in Math Analysis IB Math Studies OR IB Math: Calculus (minimum concurrently)

Course Description:

In IB Chemistry 2, students will continue exploring the interrelationships between core concepts in chemistry through inquiry, investigation, independent thinking, research, analysis, and application. As part of IB Chemistry 2, students will conduct their own extensive, independent research and wet lab addressing an approved question of their choosing. Students will communicate their findings in a complete, formal lab report following IB's guidelines as learned in year 1. This internal assessment will be a significant class grade as well as a percentage of their final IB exam score. Areas of study during the course include measurement & data processing, bonding, energetics, equilibrium, kinetics, acids and bases, redox, organic chemistry and energy.

Grading:

The grading system is based on weighted percentages. 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. There will also be a cumulative end of course final exam.

Syllabus:

[Click here to enter text.](#)

Supplemental Information:

During the course, students will work outside of class in groups of 3-5, composed of both IB Biology and IB Chemistry students, to conduct a joint exploration of a scientific topic.

Students will be prepared for the Higher Level exam in May of the senior year after taking NPHS's Honors Chemistry, IB Chemistry 1 and IB Chemistry 2 as these courses were designed in sequence to ensure all IB Chemistry content and skills were taught.

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