

COURSE TITLE: IB Chemistry 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 AP Precalculus or Math Analysis CP Minimum concurrent math: IB Math: Applications & Interpretation OR IB Math: Analysis & Approaches

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, acids and bases, redox reactions, organic chemistry and energy.

Grading:

The grading system is based on a combination of formative and summative assessments. Homework is assigned for practice and reinforcement and therefore has a lower impact on the overall grade when compared to labs, quizzes and tests. There will also be a heavily-weighted cumulative end-of-course final exam where students can demonstrate their level of mastery in a summative context. The course assessments will be designed to help students prepare to be successful on the IB Chemistry HL internal assessment (the individual investigation) and May exam.

Syllabus:

This is the second year of a two-year IB Chemistry HL (Higher Level) course. For more detailed information, here is a link to the [IB Diploma Program Subject Brief for Chemistry](#).

Supplemental Information:

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.