



IB SL CHEMISTRY



Course Instructor: Mrs. Kristin Page

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Class Website: www.mrspage.com

Available Hours for Help: Blocks C, D, G or before or after school (by appointment)

Learning Overview

The IB Chemistry syllabus is a rigorous, two-year college preparatory program. Through experimentation and discussions, students will develop a working understanding of the following major topics: stoichiometry, atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, redox reactions, organic chemistry, and measurement and data processing.

Completion of IB Chemistry Standard Level will satisfy the experimental science component for the IB Diploma. As much core material as time will permit will be covered during the first year. The remaining core material, plus biochemistry and environmental science will be presented during the second year. A total of 95 hours will be devoted to covering the core material, 15 hours for the one option topic, and 40 hours for the laboratory component. All students are required to participate in a Group 4 project.

It is expected that all students in this course will remain committed for two years and take the IB exam in May of the second year.

Student Responsibilities

- Have Academic Honor & Meeting Deadlines
- Respect for self and others; respect for the learning environment and school rules
- Arriving on time with the required materials and prepared to learn
- Hard work, curiosity, enthusiasm, and collaboration
- Courage to come forward when having difficulty and not understanding the material

Learning Materials

- IB Chemistry Textbook (Oxford Press)
- Scientific Calculator
- Notebook containing lined notebook paper **and** graph paper
- Blue & Black Ballpoint Pens & Pencils
- Laptop & USB Drive

Assessment

Formative assessments measure a student's progress throughout a period of instruction (i.e. Rough drafts/initial attempts, homework, dress rehearsals, etc.). Formative assessments receive feedback designed to help students improve (i.e. comments, peer editing, etc.).

Summative assessments measure a student's achievement at the end of a period of instruction (i.e. quizzes, tests, exams, final drafts/attempts, lab reports, projects, and performances, etc.). Summative assessments count for a student's final grade in the course.

For IB courses, students receive a grade from their teacher on their school transcript, however the final IB grade is determined through the IBO organization. The IB grade is determined using the following components as described in the IB Chemistry Guide.

IB Grade:

Assessment Component	Weighting
External Assessments (EA) written tests at the end of year 2	80%
Paper 1 – 3/4 hour (30 MC questions – no calculator) 30 marks	20%
Paper 2 – 1 ¼ hours (Short answer and extended response question on core material) 50 marks	40%
Paper 3 – 1 hour (Section A: Data based question and short answer questions on experimental work; Section B: Short-answer and extended response questions from one option) 35 marks	20%
Internal Assessment (IA) – 10 hours Independent Investigation 24 marks In addition 30 hours of total lab work recorded on PSOW (Practical Scheme of work)	20%

Late Assessments

Students are expected to submit assignments before the designated deadlines. Meeting deadlines requires responsibility and students should manage their time and prioritize so deadlines are successfully met. To support students' efforts in meeting this expectation, teachers shall (a) announce deadlines in advance (b) provide sufficient time as determined by their professional judgment (c) post assignments and their deadlines on the assignment calendar.

- If formative assessments are not submitted by the due date given, students cannot expect feedback.
- If summative assessments are not submitted by the due date given, students are required to email their parents and carbon copy teacher. Work is expected to be submitted by the following class period. If work is not submitted at this time students will be expected to stay after school to complete the missing assignment.
- See HS Student handbook for late work policy

Retake Policy

The purpose of the retake policy is for students to have another opportunity show their understanding of content. Therefore the following policies will be upheld in Chemistry:

- **Quizzes** – Unit tests will give students the opportunity to show further understanding of content that was on all unit quizzes.
- **Tests** – Retakes dates will be held within one week of receiving feedback. These dates will be given in advance. To be eligible for a retake students can have no missing work, students must email Mrs. Page with the retake form completed at least 2 days before the scheduled retake, and students must submit **all** required extra practice work before the retake.
- **Lab Reports** – Labs are a performance based activity, therefore labs cannot be redone for credit. It is not feasible to recreate a lab situation after it has already been completed

Academic honesty policy

I value integrity and therefore expect students to be honest at all times. Students should always complete their own work and appropriately cite sources when using other people work. During tests and quizzes all electronic devices must be turned off and turned in to the teacher. Although students may work collaboratively during some class activities and labs, it is expected that all assessments be completed individually and to the best of your ability. Please see the Academic Honesty Policy in the Student Handbook for more details.

Classroom Behavior/Management

It is your responsibility to read the school handbook and follow all school rules while you are at school and in class. There are, however, a few key items to remember:

- Be **respectful** of the teacher and your fellow students.
- Attendance and completion of your work is key to your success.
- Be on time and come to class prepared to learn.
- If you are present at school, you are expected to be in class.
- Turn in your work on time.
- Cheating and plagiarism are undignified and disrespectful. Only your own work will be accepted. The Academic Honesty policy will be enforced for all infractions.
- Use common sense in all matters. If you think that your behavior is inappropriate, then it probably is!

Safety in the Classroom

Please refer to the Safety Contract online, once you have read and understood the information; please upload it on the corresponding assignment folder.