

## Chemistry IB SL (Year 2): Course Outline

**Course Description:** Chemistry is the basis for the systems in which we live. Other disciplines can be better understood by understanding chemical principles. As such, it may be a requirement as a preparation for employment or as a pre-requisite for many other courses in higher education. Courses such as those in health sciences, medicine, microbiology, biological and environmental sciences require a comprehensive background in Chemistry.

Chemistry is an experimental science, which combines academic study with the acquisition and development of practical and investigational skills. Expect labs and demos, but a fair bit of theory as well. This course will prepare you very well for future studies.

**TEXTBOOK:** Catrin Brown, Mike Ford. *Pearson Baccalaureate Standard Level Chemistry*. 2008. (old curriculum but better text book. Any info to add/delete you will be told about. So listen)

**OPTIONAL Study Guide:** Neuss, Geoffrey. *Chemistry for the IB Diploma, Standard and Higher Level*. 2. Oxford: Oxford University Press, 2012. Print. **Recommend you purchase this.**

**IB Data Booklet:** available on Norkam's website under IB, chemistry. I will give you one copy. Keep safe!

### CURRICULUM:

The Chemistry SL curriculum covers all the same prescribed learning outcomes set forth by the Ministry of Education for Chemistry 11 & 12. Throughout the course students will be given feedback on their progress through each of the topics listed below. You will be given a "syllabus tracker" with learning outcomes for each topic covered.

(Subject to change)

#### Quarter 1:

	<u>Hours Allotted</u>
➤ Spectral Analysis (Ch 11.3)	4
➤ Kinetics (Ch 6)	5
➤ Equilibrium (Ch 7)	5
➤ Internal Assessment (interspersed)	6
➤ Acids & Bases (Ch 8)	9
➤ Oxidation & Reduction (Ch 9)	6
➤ Review for mock exam	
➤ Mock exam for predicted grade (Paper 1 & 2)	

### Quarter 3:

- Review (until the External Assessment in May) + Mock Exams

#### **Internal Assessment**

Internal assessment is an integral part of the course and is compulsory for SL students. It enables students to demonstrate the application of their skills and knowledge, and to pursue their personal interests, without the time limitations and other constraints that are associated with written examinations. You will be given time to review a former IA before beginning your own.

#### **IB ASSESSMENT**

80 % of a student's final IB Chemistry SL mark is generated from three externally assessed papers written in May 2020. The goal of the program is to have students prepared to write these final papers as they assess all the topics that have been covered over the two years of the program. 20% of the student's mark comes from internally assessed work (IA).

**Each term** you will be given an IB grade on the 1 - 7 scale based on tests that you do. Each of your assessments will be converted from a raw score into an IB mark out of 7. You need to realize that these are NOT PERCENTAGES and as such can not be looked at in terms of old courses that you may have taken.

**YOUR PREDICTED IB Chemistry SL GRADE WILL BE BASED ON YOUR SCORE ON MOCK EXAMS AT THE END OF SEMESTER 1.** If time, we will do multiple mock exams before May in order to get your predicted grade as high as possible.

\*Universities will look at your predicted grade when you apply.

#### **Absences:**

- In three words: **DON'T MISS CLASS!** (Unless of course, you have to...)
- If you are absent, it is YOUR responsibility to get the notes and assignments for the class(es) that you missed. **You are required to bring a note to excuse the absence.** I don't check with the office whether the absence is excused or not.
- I will post materials on our Google Classroom so phone a classmate and check online for assignments.
- Upon your return, all missed work should be made up within 2-3 days (this includes tests, quizzes and labs)

Let's have a super awesome year!!