



High School Chemistry

Introduction to the speaker



- ◆ Western Canada High School graduate
- ◆ Partial IB student
- ◆ Chem IB HL
- ◆ McGill Biomed & Biol Life Sciences

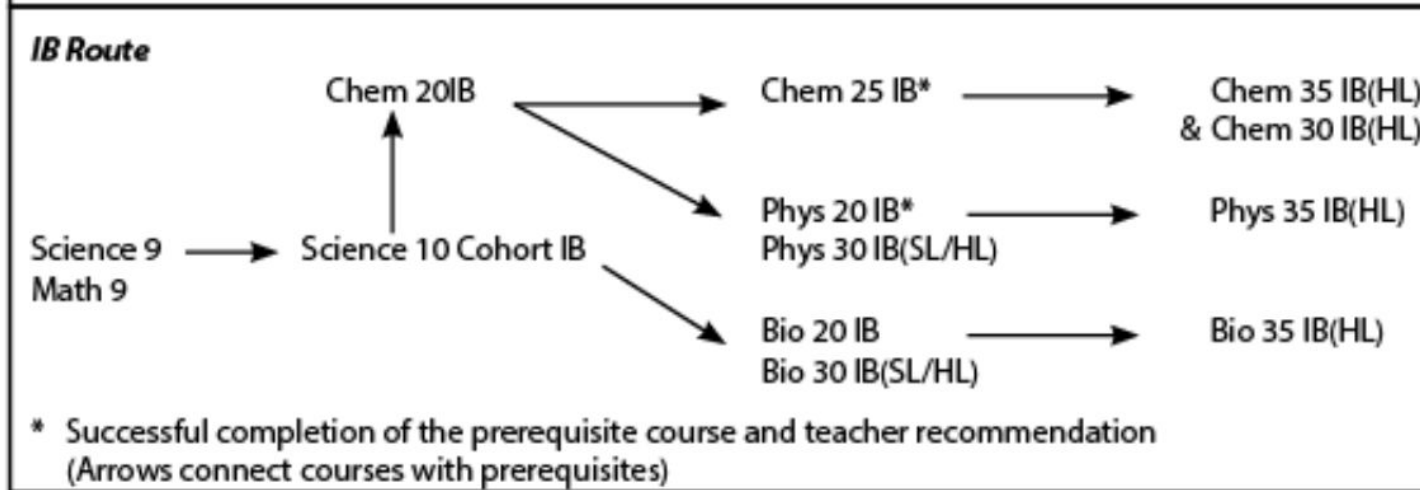
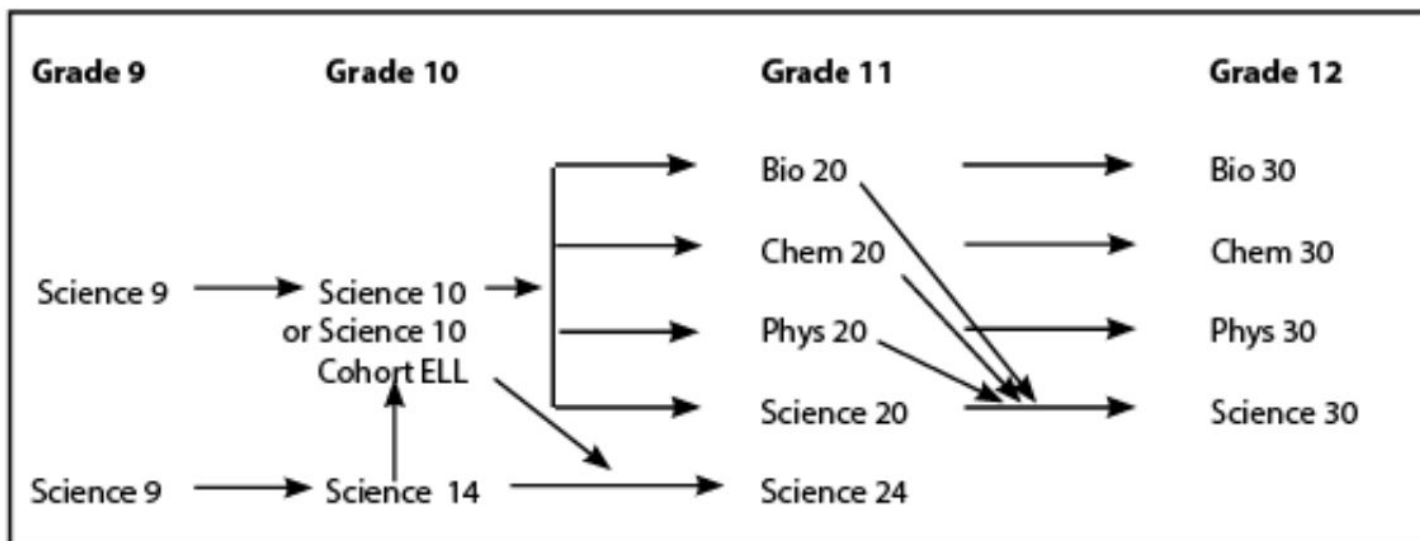
To be discussed

- ◆ Chemistry paths in high school
- ◆ Chemistry 20 IB overview + tips
- ◆ Chemistry 30 IB course outline
- ◆ Differences in Chem 30 IB and Chem 30-1
- ◆ IB assessments
- ◆ Extra resources
- ◆ General tips
- ◆ Q&A



1.

Chemistry Paths in HS





2. Chemistry 20 IB

Course Outline

- ◆ Unit 1: The Diversity of Matter and Chemical Bonding
- ◆ Unit 2: Solutions Forms of Matter Gases
- ◆ Unit 3: Acids and Bases
- ◆ Unit 4: Stoichiometry

subject to differ by school

General tips for Chem 20

- ◆ Use this time to learn to learn
 - ◇ Explore and form study habits ideal to you
- ◆ Topics are not extremely important/applicable to future courses

Chem 25 IB

- Intermediate, IB-only course at Western
 - One term (half of a semester)
- Fits in IB curriculum
- Units:
 - Thermochemistry
 - Atomic Structure
 - Bonding
- Quite separate from Chem 20 and 30 topics



3. Chemistry 30 IB

Chem 30 IB Course Outline

Content:

1. Thermochemistry
- 2a. Equilibrium
- 2b. Acid-base theories
3. Electrochemistry
4. Organic Chemistry

Differences in Chem 30 IB and Chem 30-1


- Exact same course outline
- IB is faster paced
- Expect 1-2 lessons on IB material for each unit
 - IB material is *sometimes* tested, but doesn't count towards your grade
 - I.e. **“jeopardy” assessments** are identical

IB assessments

- Faster paced to squeeze in a few IB assignments
- Quizzes and labs throughout the semester
 - **These do not count towards your grade**
- Internal Assessment

Internal Assessment

- Arguably the main added stressor in Chem 30 IB
- Given the entire semester (Sept to Dec) to plan out IA, Jan-Feb to execute and write.
- Tips:
 - Find ideas ASAP and anticipate learning the necessary outcomes
 - Question topics and outcomes as you learn
 - Create a list of ideas and backup ideas.
 - Start early and build plans/ideas gradually

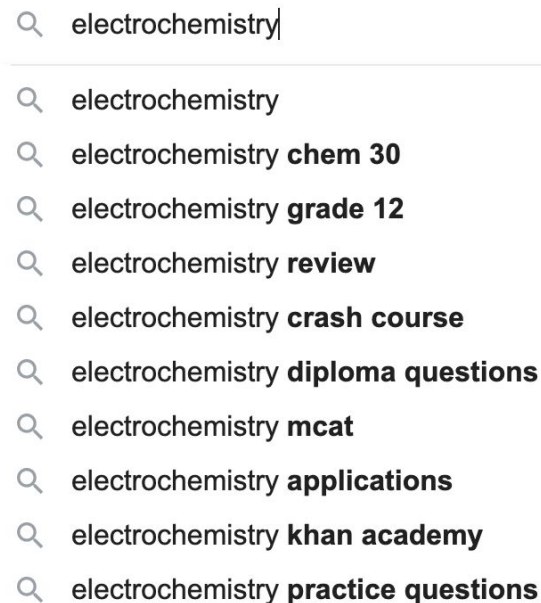


4. Study tips

Extra Resources

- Extra resources are the key to success to Chemistry
- Other teachers'/friends' notes
- Find practice tests online
- Old Chem 30 diplomas
- University lecture notes
- Textbook
- Infinite resources. Find your favs

on top of resources given in class



General tips for Chemistry

- Maximize productivity/attention in class
 - Write notes on teachers' asides during class; they have the test in their mind
 - If you have difficulty concentrating, record voice memos
- Complete all resources given by teachers
- Make a list of extra resources that work for you and exhaust that list when studying for a test
- Make use of tutorials

Things to avoid

- Using resources that aren't helpful **to you** (e.g. textbook)
- Keeping questions to yourself
- Rewriting notes*
- Not challenging your understanding

Very specific study tips that worked for me

- Writing down every single question/confusion
- Creating a list of “tricky” concepts to remember
 - **So** helpful when reviewing for diploma
- (not for chem 30) rewriting condensed notes for units; creating summaries
- Teaching someone else



5. Questions

Questions...

1. How difficult is HL chemistry?
2. How to manage time effectively?
3. How do you describe your Chemistry learning?
4. What is your favourite part about chemistry?
5. How to learn chemistry in an efficient way?
6. How to take neat notes in class. Should notes be prewritten? Or should notes be written after class?
7. Which Chem 30IB unit did you find the most challenging? Most effective study methods before taking the Chem IB exam.
8. How to study for Chemistry?
9. How does chemistry work
10. How to get high marks?
11. How to study Chem 30IB
12. 高中化学的 key point 是什么? 化学方程式配平 算不算 key point? 如何学好化学方程式配平