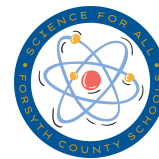


# Forsyth County Schools

## IB Chemistry SL Syllabus 2024/2025



**Teacher Name:** Cindy Philpot

**Email:** [cphilpot@forsythk12.org](mailto:cphilpot@forsythk12.org)

**Room Number:** 494

**Phone:** 770-789-2264

**Ext:** 100494

**Course Description (IBO):** The IB Chemistry SL course is a year-long, second-year chemistry course. This is a rigorous experimental approach to an in-depth study of chemical principles that underpin both the physical environment and biological systems, similar to a college-level introductory chemistry course. Emphasis is placed on investigational skills and data processing. Students are expected to take the IB Chemistry exam at the completion of this course.

**Standards:** Course Standards can be found at <https://www.ibo.org/programmes/diploma-programme/curriculum/sciences/chemistry/>

### Required Assignments:

<b>First Semester</b> <ul style="list-style-type: none"><li>Unit 1 - Matter and Moles</li><li>Unit 2 - Stoichiometry and Gas Laws</li><li>Unit 3 - Energetics</li><li>Unit 4 - Rates &amp; Equilibrium</li><li>Unit 5 - Acids and Bases</li></ul>	<b>Second Semester</b> <ul style="list-style-type: none"><li>Unit 6- Redox Processes</li><li>Internal Assessment</li><li>Unit 7 - Atomic Structure &amp; Periodicity</li><li>Unit 8 -Bonding</li><li>Unit 9 - Organic Chemistry</li><li>IB Practice Exam / Review</li></ul>
<b>Summative</b> <ul style="list-style-type: none"><li>end of unit assessment</li><li>lab practical/ project (1 per semester)</li><li>IA</li><li>midterm (fall) and final (spring) exams</li></ul>	<b>Formative</b> <ul style="list-style-type: none"><li>homework / classwork</li><li>quizzes</li><li>lab / project (as appropriate)</li></ul>

**Required Materials:** 3-ring binder (1 inch) or other system for organizing note packs [a spiral notebook is not recommended], paper, pencil/pen, scientific calculation (TI multiview does everything we need), composition notebook for labs  
**Also Suggest, but NOT required::** highlighters and graphing paper

**Availability for Extra Help:** Monday 3:45-4:15 pm, Wednesday 7:45-8:15 AM, Thursday, 7:45-8:15 AM

**Makeup Work:** *Make up work is defined as work assigned during a student's absence, not work assigned prior to an absence. The student has five (5) school days upon returning to school to complete make-up work. The teacher has the discretion to grant a longer period to make up work if there are extenuating circumstances.*

### Grading Calculations:

Course Average = 50% (1<sup>st</sup> Sem. Course Work) + 50% (2<sup>nd</sup> Sem. Course Work)

1<sup>st</sup> and 2<sup>nd</sup> Semester Course Work = 75% Summative + 25% Formative

**Grading Policy:** A = 90 – 100 | B = 80 – 89 | C = 70 – 79 | Failing = Below 70

*Formative Assessments include, but are not limited to, homework, class work, labs, investigations, practice tests, rough drafts, and sections of projects/research papers/presentations.*

*Summative Assessments include, but are not limited to, unit tests, final projects, final essays, formal lab reports, final research papers, and final presentations.*

## Academic Integrity

- It is the expectation of Forsyth County Schools that students exhibit academic integrity when submitting evidence of learning. When students submit evidence that does not authentically represent what they know and can do, the evidence is rendered invalid. Examples of academic dishonesty are outlined in both the Family Engagement Guide & Student Handbook and The Forsyth County Schools Code of Conduct. Depending on the severity of the situation, academic dishonesty/cheating may result in the loss of credit, completing an alternative assignment and/or disciplinary consequences up to a tribunal referral.

**Learning Resources/Textbook(s):** All learning resources, both print and digital, are meant to support and enhance the student learning experience in this class. Below are the names of the textbooks and websites that will be used in this course. Some of the web-based resources require parent permission per federal regulations. Federal laws that guide parent permission requirements are as follows:

- Children's Internet Protection Act (CIPA):** The school is required by CIPA to have technology measures and policies in place that protect students from harmful materials including those that are obscene and pornographic. Any harmful content contained within inappropriate sites will be blocked.  
<http://fcc.gov/cgb/consumerfacts/cipa.html>
- Children's Online Privacy Protection Act (COPPA):** COPPA applies to commercial companies and limits their ability to collect personal information from children under 13 years of age. No personal student information is collected for commercial purposes.  
<https://www.ftc.gov/tips-advice/business-center/guidance/complying-coppa-frequently-asked-questions-0>
- Family Educational Rights and Privacy Act (FERPA):** FERPA protects the privacy of student education records and gives parents the right to review records. Under FERPA, schools may disclose directory information in certain circumstances.  
<http://www2.ed.gov/policy/gen/guid/fpco/ferpa>

Please review the resource list. Each website related to the curriculum resources is provided along with its privacy policies. Should you have any questions regarding these resources, immediately contact the course teacher via email or phone.

Name of Resource*	Hard copy/Website (accessed via Class Link)	Privacy Policy
Kognity	Digital platform for <i>Kognity</i> textbook, supplemental, and assessment material	<a href="https://kognity.com/privacy-policy/">https://kognity.com/privacy-policy/</a>
Explore Learning	Digital supplemental material	<a href="https://www.explorelearning.com/index.cfm?method=Controller.dspPrivacy">https://www.explorelearning.com/index.cfm?method=Controller.dspPrivacy</a>
Pivot Interactives	Digital supplemental material	<a href="https://www.pivotinteractives.com/privacy-policy">https://www.pivotinteractives.com/privacy-policy</a>
Discovery Education	Digital supplemental material	<a href="https://www.discoveryeducation.com/privacy-policy/">https://www.discoveryeducation.com/privacy-policy/</a>

**\* The above resources are county approved. These resources may vary by school due to sequencing, pacing, curriculum design, and/or individual needs of students.**

I, \_\_\_\_\_, have read this course syllabus and approve of its contents. I agree to allow my student to use each of the classroom resources listed in the learning resource section. I will support my student in following the classroom expectations outlined in this course syllabus. I agree that I am the person who is legally allowed to consent for my student, whose name is listed below.

\_\_\_\_\_  
Student's Name (Print)

\_\_\_\_\_  
Parent's Name (Print)

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Date

Updated July 2024 BDC