

Richland Northeast High School

IB Chemistry SL Syllabus

Mrs. Cofield

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Dear Student and Parent:

Welcome to IB Chemistry! This course is an in-depth study of the composition of the universe, focusing on the key building blocks: atoms and molecules. As a lab-based science course, students are required to perform a variety of scientific and mathematical tasks. The general goals of this class are to prepare students for college, strengthen mathematical and problem-solving skills, and encourage higher-order thinking. In order to achieve these goals, students will read and critically analyze one published science article each quarter and present their findings to the class. As a requirement of the course, students will complete an Internal Assessment (IA) research experiment.

Required materials: Students will need to bring the following materials to class *each day*:

1. Pencil *and* a blue or black ball-point pen
2. Organizational tool (binder, notebook, etc.)
3. Loose-leaf paper
4. Scientific calculator (Just make certain it has “EE,” “log” and “exponent” buttons)

A calculator is required to complete assignments; if cost is an obstacle, please let me know.

Class Rules:

1. Be respectful to all people at all times.
2. Be prepared to start class on time.
3. No food or drinks (only water).
4. No cellphones or headphones.

Consequences:

- 1st offense: Verbal Warning
2nd offense: Call home and/or detention
3rd offense: Office referral

Grading: All Richland Northeast High School classes will be graded on a total points system. In a course that is graded using total points, each assignment has a point value that is a predetermined part of a whole point value. The weight of the assignment on the final grade is therefore tied to the number of points available in the assignment.

Assignments

Tests and Projects	100 pts
Summative Labs	50 pts
Small Lab Activities	20 pts
Quizzes	10 to 20 pts
Homework/Classwork	5 to 10 pts

State Grading Scale

A	100-90
B	89-80
C	79-70
D	69-60
F	Below 60

All assignments not made up will receive a grade of zero.

Note: Any senior with a B average or greater going into the final exam will be eligible for final exam exemption.

Homework: Students should expect to have homework (almost) every night. Proper format for working problems must be followed at all times. Homework is checked at the beginning of class; be sure to turn it in at the beginning of class.

Late Work: Students will be given ample time to complete assignments. For projects, papers, lab reports, and other major assignments, 10 percent will be deducted from the total points every day that it is late. For formative assessments, students are allowed to turn them up to five calendar days past the due date. Formative assessments that are turned in late will receive a 50% point deduction regardless of the date it is turned in.

Retake Policy: Students are able to make up major summative assessments (tests) by completing the Request to Retake form (located on Google Classroom), showing proof of effort to improve understanding of topic by completing previous

formative assessments or extra practice provided by the teacher AND tutoring, and showing up to the scheduled make up testing time. **Failure to complete all tasks negates the Request to Retake.** The average of the two grades will be recorded. **Only one test retake is allowed per quarter** and you must make up the assessment **within one week of your return.**

Honor Code & Cheating: The Academic Integrity Policy of Richland District 2 will be strictly followed in this course. Cheating includes, but is not limited to:

- Copying another person's work
- Allowing someone to copy your work
- Copying and pasting without giving credit
- Using copyrighted images without giving credit
- Having notes, cheat sheets, writing on the body or clothes that provides an advantage on a test

The following statement will be used on assignments: On my honor, I have neither given nor received unauthorized assistance on this assignment. I understand that any violation of the RSD2 Honor Code will result in academic and disciplinary action.

Cell Phones, Chromebooks and other Electronics: These are the guidelines for cell phones, chromebooks and the use of other electronics:

1. Chromebooks will be used extensively in class, but it is the student's responsibility to use them appropriately. During class, students will only use devices to complete assignments that are related to the instructional lesson or any other approved activity with teacher permission. In other words, please do not take devices out unless I say so AND when permission is granted, they are only to be used to complete the work I assign. Students will not play games on these devices. If they do so, they will lose the right to use them.
2. Students will not record still or moving images or voices of students or the teacher without permission from the teacher. Students will not post recordings of still or moving images or voice recordings of students to online websites without permission.
3. Students will place ALL devices in book-bags or handbags during all assessments. The device must remain there until ALL assessments have been collected.

Failure to follow these guidelines for cell phones and other electronic devices will result in the following consequences:

1. The device will be collected and kept with the teacher until the end of the block.*
2. The device will be collected and kept with the teacher until the end of the day.*
3. The device will be collected and given to administration.

* Administration will be called if the device is not turned in when I ask for it.

Attendance Policy: *Students may miss no more than ten (10) days in a year-long course and five (5) days in a semester course. This includes all absences documented with a medical note, funeral notice, out-of-school suspension, or parent excuse. (Board Policy JH Student Absences and Excuses)*

After an absence, the student must submit a medical or parent note to the school within five (5) days. After five (5) days, the absence may be considered unlawful.

Absent Students: There are various avenues to keep up with class information in the event that a student is absent. The student is advised first to check our Google Classroom page. There they will find a brief synopsis of what was done in class for the day and what assignments were given out. Students are expected to meet with the me to avoid turning in late work and missing out on material that they do not understand BEFORE any assessments, as they will not be exempt from taking the assessment. The students are able to contact me through Remind, Google Classroom, email or twitter in order to gain more information on missed assignments.

Tutoring: I will be available for tutoring or make-up work completion on Tuesday and Thursdays after school from 3:45 to 4:15.

Laboratory Safety: Labs are the hands-on experiences that are essential to understanding chemistry. Labs are designed to reinforce concepts or occasionally to introduce a new topic. Any student who violates the lab safety acknowledgment will *at minimum* be given an alternative assignment and removed from the lab immediately. The safety acknowledgement must be signed by the student and parent in order to participate in labs.

Textbook: Pearson: Standard Level Chemistry

Scope and Sequence:

Unit 1: Stoichiometric Relationships (13.5 hrs)

Unit 2: Atomic Structure (6 hrs)

Unit 3: Periodicity (6 hrs)

Unit 4: Chemical bonding and structure (13.5 hrs)

Unit 5: Energetics/thermochemistry (9 hrs)

Unit 6: Chemical kinetics (7 hrs)

Unit 7: Equilibrium (4.5 hrs)

Unit 8: Acids and bases (6.5 hrs)

Unit 9: Redox processes (8 hrs)

Unit 10: Organic chemistry (11 hrs)

Unit 11: Measurement and data processing (10 hrs)

Option: Materials (15 hrs)

Sign up for Reminders! Parents and students will have an opportunity to sign up for reminders. It is a computer program called Remind that allows the teacher to send a text to a parent or student's phone without using a phone number. I will send text reminders about quizzes, tests, projects, and most importantly reminders about when to wear closed-toe shoes for lab. It is a great way to know when your student will have a test/lab. Students will have the opportunity to sign up during class.

For Parents to sign up – Send a text message containing one of the codes below to 81010. Choose the appropriate code based on what period your child is in:

If your child is in 3A write: @cofield3a

If your child is in 3B write: @cofield3b

You will receive a message in return asking for your name. Please identify yourself with the First and Last Name of your student-your relationship to the student. (Ex: If you are the father of the student Emily Jones, your name would be *Emily Jones-Dad*). You will then be in the system.

Thank you for your cooperation and understanding concerning your safety, academic, and teacher expectations in Chemistry. Please feel free to contact me with any questions, concerns, or things I should know about your student. I look forward to working with you this semester!

Mrs. Aherial Cofield