

## Chemistry A/B Syllabus

### Course Information

Teacher: Mr. Cooper

Email: [clark.cooper@anderson.kyschools.us](mailto:clark.cooper@anderson.kyschools.us)

### Course Description

The intent of Chemistry is to offer all students a solid foundation in various Chemistry concepts. Concepts covered in Chemistry A include: an introduction of chemical and physical properties, atomic structure, nomenclature, the periodic table and the three types of bonding. The concepts covered in Chemistry B include: mole conversion, stoichiometry, chemical reactions, gas laws, acids and bases, reaction kinetics and equilibrium. Students shall be expected to perform mathematical calculations, using algebra, to support Chemistry concepts. With today's emphasis upon assessment and monitoring student progress, much of their grade will be centered on assessments. In order to meet the needs of the Chemistry course, the pace of the class will need to be steady.

### Course Requirements

In order to have a successful year in Chemistry, all students should adhere to the following requirements:

Students shall bring a calculator to class.

Students shall bring paper and writing utensil to class.

Agenda book if you want to use a hall pass

Pick up a Chemistry book when you come into the room

### Course Procedures/Expectations

<b>Classroom Expectations</b> <ol style="list-style-type: none"><li>1. Be on time and present.</li><li>2. Be prepared.</li><li>3. Be respectful.</li><li>4. Be involved.</li></ol>	<b>Classroom Consequence</b> <ol style="list-style-type: none"><li>1. Verbal warning.</li><li>2. Parent notified.</li><li>3. Written referral.</li></ol>	<b>Bell Ringer Expectations</b> <ol style="list-style-type: none"><li>1. Silently complete all questions.</li><li>2. If help is needed, raise your hand.</li><li>3. Remain in your seat.</li></ol>
<b>Lecture with Guided Practice Expectations</b> <ol style="list-style-type: none"><li>1. If help is needed, please raise your hand</li><li>2. Complete all notes.</li><li>3. Remain in your seat.</li></ol>	<b>Class Work /Homework Work Expectations</b> <ol style="list-style-type: none"><li>1. If help is needed, please raise your hand.</li><li>2. Complete the task.</li><li>3. Remain in your seat.</li></ol>	<b>Laboratory Activities</b> <ol style="list-style-type: none"><li>1. If help is needed, please raise your hand</li><li>2. Complete the lab.</li><li>3. Remain at the lab station, unless retrieving lab materials.</li></ol>
<b>Cell Phone Expectations</b> <p>Cell phones may be utilized in class occasionally. The opportunity to use cell phones is a privilege and comes with a huge responsibility. Students will need to extend me the courtesy of using their phones ONLY when I specify that they may use them. When it's time to put the phones away, I expect them to be put away immediately. If permission has not been given to use the cell phones, school rules apply meaning you will be asked to turn in your cell phone.</p>		

### Being Prepared

Students are expected to come to class prepared. All students shall enter the classroom with paper, calculator, and pen or pencil and pick up a textbook.

### Signing-out of class

Signing out should be used sparingly as the time out of class cannot be made up. Please sign-out during **independent work time only and not during the 10-10 rule**. The students will be given 6 Hall Passes. These should be used any time a student leaves class. The student must also have an Agenda Book to leave the room. The student will need to hand in their cell phone for the duration of the time out of class. If not used by the end of the trimester, they may be turned in for extra credit HW points.

### **Absences and Tardies**

Students shall follow the excused/unexcused absence and tardy policy outlined in the student handbook. You are responsible for your education. If you are absent, it is *your* responsibility to obtain work that was missed. Failure to do so will result in a loss of points. If you know ahead of time that you will be absent, please see me to collect your work. Remember it is *your* responsibility...be present.

### **Grading**

#### **Calculation of Final Grades:**

1. **Homework and Class Work – 30% of trimester grade. This includes homework, class work, bell ringers, labs, and projects**
2. **Tests and quizzes– 70% of trimester grade. This includes quizzes, tests and unit exams**
3. **Final Exam—20% of final grade for the trimester. ACHS School policy dictates that final exams will be 20% of each student's final grade.**

Any test that a student scores less than 65% on can be retaken to improve the grade to a 65%. The retake must be scheduled with Mr. Cooper and must be taken before or after school. The re-take must also be done within a week of the return of the graded test to the class.

### **Late/Make-up Work**

- School policy will be followed
  - 3 days to make up work with an excused absence
  - IEP stipulations (usually 3 days once parent has been contacted)
- Otherwise
  - Students may submit late work until the grade cutoff for progress reports/final exams for 50% of the original grade
  - Resets every 4 weeks; meaning if the work is not made up prior to the progress report or the final exam cutoff, a permanent zero is entered into the grade book

### **Course Safety**

For your safety and the safety of those around you, horseplay/goofing-off, misuse of lab equipment and any other behavior deemed inappropriate by the teacher as unsafe, shall not be tolerated.

### **Laboratory Guidelines and Rules:**

1. Wear goggles at all times when required for the lab.
2. Do not eat, drink or chew gum in the lab.
3. No horseplay, goofing off or other careless behavior.
4. Report all spills or accidents immediately to your teacher.
5. Wash hands after lab exercises using soap and warm water.
6. **USE COMMON SENSE!!!!**

It is imperative that you exercise complete adherence to the laboratory guidelines. I reserve the right to remove you from the lab area or even the classroom during a laboratory assignment if you exhibit a failure to take the exercise seriously. If I remove you from the laboratory area, you may be given a zero for the assignment.

## **Chemistry A/B**

I have read the Chemistry A/B syllabus and Mr. Cooper has explained the procedures and policies to me. I understand the requirements for Chemistry A/B and the consequences of not following the requirements of this class.

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**Students Full Name (Printed)**

**Class Period**

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Student's Signature

Date

I have read the above Chemistry A/B syllabus and my child has explained the policies and procedures for the class. I understand the requirements for Chemistry A/B and understand the consequences if my child does not follow these requirements.

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Parent/Guardian Signature

Date

Daytime Phone #