

Course Syllabus: Chemistry with Mr. Bausback

Class 5ad 2021-2022

Overview of the chemistry topics to be covered this year

Topics Covered in 5K Chemistry: Units 11-17

Kinetic Molecular Theory of Matter / Atomic Structure and Properties (Topic 1)

Rate of Reaction (Kinetics) and Chemical Equilibrium (topics 2, 3, 4 and 5)

Proton Donors and Proton Acceptors (topics 4 and 5)

1. Bonds: Use the atomic model to understand the various ways in which atoms bond and form various substances with specific properties
2. Recognize the various factors which influence the rate of reaction and how the rate is influenced by these factors
3. Chemical equilibrium (at the particle level)
4. Acids and bases
5. Redox reactions



On Mr. B's Website you can find a more detailed version under "Chemistry Topics with Mr.B"

Course Material:

Presentation (Power Points) with notes, labs and activities, handouts with practice problems (homework), Periodic Table, test objectives, and knowledge surveys. The documents can be found in OneNote. Weekly warmups using Qwizdom. The online chemistry textbook, alternative reading assignments, solutions to problems and reference materials are posted in OneNote or on Mr. Bausback's website.



Grades:

Every exam counts 20% toward the final grade.

Test dates: Exam 1: 16.09.21; Curriculare Prüfung: 29.11.21; Exam 3: 17.03.22; Exam 4: 23.06.22

20% of the grade will come from the weekly warmups, homework, and lab and class activities.

(see Mr. B's Website for how labs will be graded)

In the chemistry department, the grades are mathematically rounded. For example, a 4.25 would be rounded up to a 4.5 and a 4.24 would be rounded down to a 4.0. The maximum "wiggle room" is 0.02. Example: A student has a 4.23. He had better test grades toward the end than in the beginning. He actively participated in class and in activities. His grade could be rounded up to a 4.5. In another example, a student has a 4.23 and his grades declined throughout the course. He did not actively participate in class. His grade would be rounded down to a 4.0.

Students can view their grade averages online (password protected) via Mr. B's Website:

So that students always know where they stand, they may view their grades, including warmup grades, online. The online grade simply represents an estimate of the student's average grade in the course to date. It is not the actual report card grade.

<https://bausback.website/>

or Google "Chemie mit Mr B" to find Mr. B's website.

The students should regularly bring the following items to class:

Your device (laptop, etc.), periodic table, chemistry notes and handouts organized in a notebook, a basic scientific calculator, and writing implements

Important tip about the homework assignments:

The students should regularly think through and work through the assigned homework problems before checking their answers against the posted solutions to the problems.

Students should always review the lecture notes and/or activities from the last lesson sometime during the week and before attending the next lesson.

