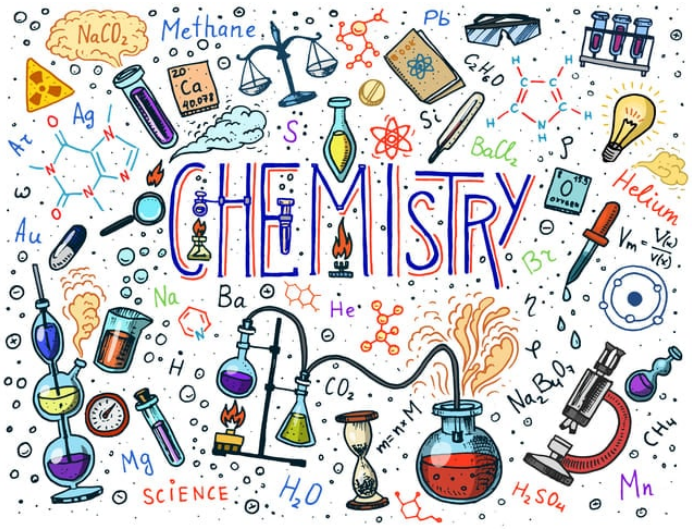
BHHS Chemistry
Chemical Concepts with Lab

2023-24



Instructor Information
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Description and Credits	Chemistry is a survey of chemical concepts, with a focus on practical applications of chemistry and the impact of chemistry on the environment, society, economy and individuals.
Textbook	Chemistry by Prentice Hall (2008), ISBN 0-13-251210-6 Openstax Chemistry 2e, free online. https://openstax.org/details/books/chemistry-2e
Required Materials	Binder, Paper, Folder, Pencils, Calculator, Highlighters, Safety goggles* *Fully protective chemical splash goggles will be provided. However, if you would like your own new pair or prefer a more comfortable model you may wish to purchase your own to use. Vented, anti-fog safety goggles may be found through Amazon or other companies.

COURSE EXPECTATIONS

RESPECT

- Respect your peers: Consider your words and actions carefully- keep them kind.
- Respect your teacher: I'm here to help you. Communicate with me if an issue arises.
- Respect your environment: Practice ALL safety rules in the classroom and keep it tidy.
- Respect yourself: Do not settle for less- only you can push yourself all the way to success.

RESPONSIBILITY

- Be on time to class. Be prepared with all materials.
- Complete and turn in work on time. If you are absent, check google classroom for assignments.
- Communicate with your teacher if you are experiencing an issue that prevents you from completing assignments.
- Own up to your mistakes and FIX THEM. Ask for help when you need it. Act maturely.

PRESENCE

- Show up: you cannot learn if you are not here. Be not only present in body, but present in mind.
- Participate in class activities, as questions so that you may understand. Your presence will greatly affect your learning and therefore have a large impact on your grade.

HONESTY

- DO NOT CHEAT!! If you are not doing your own work, it is doing you no good.
- Cheating and Plagiarism are violations of BHHS & SPSCC's policy and may result in disciplinary action and/or an F for the quiz, lab or assessment.

Grading Scale (%)		Course Topics	Learning Outcomes

A	93-100	• Systems of measurement and unit conversion
		  ○ Metric system
		  ○ Scientific notation
		• Properties and transformations of matter
		  ○ Chemical and physical properties
		  ○ Chemical and physical change
		• Structure of matter
		  ○ Periodic table
		  ○ Atomic theory
		  ○ Conservation of matter
		  ○ Elements, compounds, and mixtures
		  ○ Solids, liquids, and gasses
		• Symbolic language of chemistry
		  ○ Element symbols
		  ○ Compound formulas and names
		• Chemical reaction equations
		• Energy sources and uses
			• Identify the role of chemical reactions in daily life
			• Describe visible and molecular characteristics of solids, liquid, and gases
			• Compare the characteristics of pure substances versus mixtures
			• Interpret chemical reactions using correct chemical notation and vocabulary
			• Explain experimental results and observations in terms of physical and chemical phenomena
			• Apply simple mathematical reasoning to chemical systems

A-	90-92		
B+	87-89		
B	83-86		
B-	80-82		
C+	77-79		
C	73-76		
C-	70-72		
D+	67-69		
D	60-66		
F	Below 60		

Method of Evaluation and Class Policies	
Assessments 60.0%	• Students will be tested on each unit in Chemistry, and may use their card stock note sheets, periodic table and charts. • Students may select to complete test corrections or a retest. All assignments must be completed in order to complete corrections or retakes.
Labs 30.0%	• Labs • Includes guided inquiry, open ended research, and content-based skill labs.

Assignments 10%	• A variety of assignments that are given to learn the material, students need to complete the assignments in order to learn the material.
	• All assignments must be done in order to retest
	• A list of some examples, but not limited to
	  ○ Google Classroom assignments (not including labs)
	  ○ Modeling activities
	  ○ Practice games
	  ○ Videos
	  o Surveys

How to be successful in Chemistry	• Actively seek understanding by watching instructional videos and/or reading the textbook • Take notes that help you synthesize and identify key information • Fully engage and participate in activities with a positive mindset • Communicate concerns through email or individually before or after class • Reach out to me with suggestions
Attendance Policy	Attendance is a key part of success. If you are gone, it is your responsibility to check google classroom for assignments and communicate with me. If you miss a major lab or assessment, you will need to make arrangements to come in during PACK time, before or after school, or complete an alternative virtual lab.