

PRE AP CHEMISTRY

Mrs. Suzanne van Balveren

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<http://sciencelas.weebly.com>

Room 318

Office hours: Monday - Friday 8.00 - 8.30, 3.45 - 4.15

Tutoring: Mondays 3.45 - 4.45

<u>Mission:</u>	The purpose of the Pre AP Chemistry course is to prepare students to be critical and independent thinkers who are able to function effectively in a scientific and technological society. Students will be able to analyze scientific and societal issues using scientific problem solving. This course will focus on an inquiry-based learning of essential concepts.										
<u>Textbook and materials:</u>	<ol style="list-style-type: none">1. Textbook - <i>Modern Chemistry</i> by Sarquis & Sarquis, ISBN: 97805475866322. A variety of materials gathered from other sources <p>It is important that students come to class prepared <u>every day!</u> Unprepared students will have a hard time keeping up, and therefore will lose participation points for unpreparedness.</p> <p><u>Materials:</u> Journal Three Ring Binder with 5 Dividers Calculator Pencil and Eraser Pen Ruler Highlighters VPN; teacher will show videos about various concepts in class, but will also provide extra study materials that need a VPN.</p>										
<u>Grades:</u>	<p>90% - 100% = A 80% - 89% = B 70% - 79% = C 65% - 69% = D 64% - below = F Incomplete = I</p> <p><u>Course grading:</u></p> <table><tr><td>Tests</td><td>40%</td></tr><tr><td>Projects, Labs, Lab reports, etc.</td><td>20%</td></tr><tr><td>Quizzes</td><td>20%</td></tr><tr><td>Class work and Participation</td><td>10%</td></tr><tr><td>Homework</td><td>10%</td></tr></table>	Tests	40%	Projects, Labs, Lab reports, etc.	20%	Quizzes	20%	Class work and Participation	10%	Homework	10%
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<p><u>Absent work and Late Work Policy:</u></p>	<p>If a student is absent, the amount of time allotted to complete missing assignments is equal to the amount of school missed. If a student is absent two days, he/she will have two days to complete the missing work.</p> <p>This course will cover an insane amount of content at a fast pace, I advise students to be present every day. Students planning to miss multiple days of school should contact me <u>prior</u> to departure to discuss a study plan.</p> <p>It is the student's responsibility to meet with classmates to collect missed lecture notes.</p> <p>If a student misses a quiz or test, they should meet with me directly to reschedule the assessment.</p> <p>Late work: In order to not fall behind, I expect students to complete all assignments on time. Late assignments will lose ten percent for each (school) day late.</p>
<p><u>Website:</u></p>	<p>http://sciencelas.weebly.com</p> <p>This website is currently under construction and will be completed in September. Once the website is up and running students will be able to access course information online. For example: PPT Slides, videos, review sheets etc.</p>
<p><u>Expectations:</u></p>	<p>My expectations for students are in alignment with our school values. I expect students to be:</p> <ol style="list-style-type: none"> 1. <i>Compassionate Citizens:</i> <ul style="list-style-type: none"> - Come to class with a positive attitude - Be respectful to teacher and classmates - Take care of the classroom and class materials - Be on time and bring necessary materials 2. <i>Proficient Communicators:</i> <ul style="list-style-type: none"> - Tactfully contribute to class discussions - Be a useful participant during class activities. - Share ideas with all classmates, and do not only associate with those that speak in the same native language. - Communicate with me if you have any questions, problems, or concerns. 3. <i>Creative thinkers:</i> <ul style="list-style-type: none"> - Use your imagination and creativity when doing your assignments - Think of innovative ways to problem solve and work with others. - Use critical thinking skills to demonstrate understanding of material.

	<p>4. <i>Confident Individuals:</i></p> <ul style="list-style-type: none"> - Take responsibility over yourself and your work. - Take pride in what you do and always do your best work. - Motivate yourself to take an authoritative role in your learning.
<u>Plagiarism and cheating:</u>	Plagiarism and cheating will not be tolerated. Any dishonest behavior of this nature will result in a failing grade on the assignment and a meeting with administration and parents.
<u>Tardy policy:</u>	<p>Students are expected to be in the seats working on the "DO NOW" when the bell rings.</p> <p>Tardy policy is according to "secondary handbook 2015-2016":</p> <p>1st tardy: Warning</p> <p>2nd tardy: Referral to After-School Detention</p> <p>3rd tardy: Referral to After-School Detention Teacher contacts parents</p> <p>4th tardy: Count as unexcused absence Referral to After-School Detention</p> <p>5th tardy: One day In-School Suspension Meeting with Parents Administrator Discretion</p>
<u>Cell phones and other electronics:</u>	<p><u>No cellphones are allowed in the classroom.</u> If you bring your cellphone to class it will be confiscated. You will be able to pick up your phone after school.</p> <p>Other electronic devices may only be used <u>after</u> approval of the teacher.</p>
<u>Content Outline:</u>	<p>Quarter 1:</p> <p>Lab safety and lab reports</p> <p>Chapter 1: Matter and change</p> <p>Chapter 2: Measurements and calculations</p> <p>Chapter 3: Atoms: The building blocks of matter</p> <p>Chapter 4: Arrangements of electrons in atoms</p> <p>Chapter 5: The periodic law</p> <p>Chapter 6: Chemical Bonding:</p> <p>Chapter 7: Chemical formulas and chemical compounds</p> <p>Quarter 2:</p> <p>Chapter 8: Chemical equations and reactions</p> <p>Chapter 9: Stoichiometry</p> <p>Chapter 10: States of matter</p> <p>Chapter 11: Gases</p> <p>Chapter 12: Solutions</p>

Quarter 3:

Chapter 13: Ions in aqueous solutions

Chapter 14: Acids and bases

Chapter 15: Acid-base titrations and pH

Chapter 16: Reaction energy

Chapter 17: Reaction kinetics

Quarter 4:

Chapter 18: Chemical equilibrium

Chapter 19: Oxidation-Reduction reactions

Chapter 20: Electrochemistry

Chapter 21: Nuclear Chemistry