



Phone: 713-688-1361

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CHEMISTRY 1A & PRE-AP CHEMISTRY A SYLLABUS

Instructor: Tchr. Angela Horst

Room: 3106

Conference hour: 2nd, 5th period

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Office Hours: Wed/Fri 8:30am-10:00am

Chemistry is a course designed to allow students to learn how matter and energy interact.

THE BOOK

We will be using the curriculum laid out by College Board for Pre-AP Chemistry, with materials accessible on the Canvas learning platform.

GRADING

The grading scale will be the same as the scale used by the District.

90-100 A 80-89 B 75-79 C 70-74 D below 70 F

GRADING POLICY

- 1) Grades are based on daily work, quizzes, tests and performance-based assessment

Tests	35.0 %
Quizzes	15.0 %
Classwork	25.0 %
Labs/Projects	35.0 %
- 2) Class work includes assignments and tasks performed in the classroom.
- 3) Daily work submitted within the deadline will receive a maximum of 100%, late work will decrease the grade by 10 points per day late, max. 4 days. 5 or more days is a zero.
- 4) Common assessment is a test given to all Chemistry students of the school. The test is given at least 2 times every cycle (6 weeks).
- 5) Make-up tests and work are given during tutorials time. Student will have a reasonable opportunity to make up or redo a class assignment or exam for which he or she received a failing grade.

LABORATORY SAFETY

Each student is required to pass a laboratory safety test with at least 70% accuracy. If the student does not pass the safety test, the student will not be allowed to participate in laboratory activities until they do so. In addition to the lab safety test, each student and parent will be required to sign a Lab safety contract, stating the student has passed the test and will practice safe habits in the laboratory environment. Due to pandemics we will start with virtual labs or demonstrations.

HOMEWORK

This year I will not be assigning homework. Students will email me and find work on Canvas when they are absent for medical or travel reasons. Alternative assignments and make up work will be determined case by case through email or face to face conference.

CLASS RULES

Try your best.

Encourage others.

Ask questions when you are curious or uncertain.

MATERIALS

Pen

Pencil

Writing paper

Laptop

All work is required to have the following clearly written at the top right of the paper:

Name, Date, Class Period

Plagiarism, Cheating, and Academic Integrity

Work in groups is encouraged. Avoid plagiarism and cheating. Helping is when the other person can answer the question and knows WHY in the future. Plagiarism and cheating involve copying without knowing why and without giving credit.

Parent Signature

Student name

Date

Chemistry Course Syllabus

2022-23

UNIT 1 Structure and Properties of Matter	<p>~30 Class Periods</p> <p>Pre-AP model lessons provided for approximately 50% of instructional time in this unit</p> <p>KEY CONCEPT 1.1 Particle View of States of Matter</p> <p>Learning Checkpoint 1</p> <p>KEY CONCEPT 1.2 Phase Changes and Particle Interactions</p> <p>KEY CONCEPT 1.3 Kinetic Molecular Theory</p> <p>Learning Checkpoint 2</p> <p>Performance Task for Unit 1</p>
UNIT 2 Chemical Bonding and Interactions	<p>~40 Class Periods</p> <p>Pre-AP model lessons provided for approximately 40% of instructional time in this unit</p> <p>KEY CONCEPT 2.1 Classification and Interactions of Matter</p> <p>KEY CONCEPT 2.2 Learning Objectives 2.2.A.1-2.2.C.1 Molecular Structure and Properties</p> <p>Learning Checkpoint 1</p> <p>KEY CONCEPT 2.2 (continued) Learning Objectives 2.2.D.1-2.2.G.1 Molecular Structure and Properties</p> <p>KEY CONCEPT 2.3 Covalent and Ionic Bonding</p> <p>Learning Checkpoint 2</p> <p>Performance Task for Unit 2</p>
UNIT 3 Chemical Quantities	<p>~30 Class Periods</p> <p>Pre-AP model lessons provided for approximately 30% of instructional time in this unit</p> <p>KEY CONCEPT 3.1 Counting Particles in Substances</p> <p>Learning Checkpoint 1</p> <p>KEY CONCEPT 3.2 Counting Particles in Chemical Reactions</p> <p>Learning Checkpoint 2</p> <p>Performance Task for Unit 3</p>
UNIT 4 Chemical Transformations	<p>~40 Class Periods</p> <p>Pre-AP model lessons provided for approximately 30% of instructional time in this unit</p> <p>KEY CONCEPT 4.1 Precipitation Chemistry</p> <p>KEY CONCEPT 4.2 Oxidation-Reduction Chemistry</p> <p>Learning Checkpoint 1</p> <p>KEY CONCEPT 4.3 Acid-Base Chemistry</p> <p>KEY CONCEPT 4.4 Thermochemistry</p> <p>KEY CONCEPT 4.5 Reaction Rates</p> <p>Learning Checkpoint 2</p> <p>Performance Task for Unit 4</p>

*taken from collegeboard.org Pre-AP Chemistry course