



Semester: 2

2025 – 2026

Grade Level	12	Subject: Ap Chemistry		
Teacher(s) Name	Rabab Faour			
Textbook	Chang-College board			
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code / MOE
20	Feb 2 nd	Feb 6 th	Unit 7: Equilibrium 7.5 Magnitude of the Equilibrium Constant 7.6 Properties of the Equilibrium Constant 7.7 Calculating Equilibrium Concentrations 7.8 Representations of Equilibrium	BIG IDEA 1 BIG IDEA 3
21	Feb 9 th	Feb 13 th	Unit 7: Equilibrium 7.9 Introduction to Le Châtelier's Principle 7.10 Reaction Quotient and Le Châtelier's Principle 7.11 Introduction to Solubility Equilibria 7.12 Common-Ion Effect	BIG IDEA 1 BIG IDEA 3

22	Feb 16 th	Feb 20 th	Unit 8 : Acids and Bases 8.1 Introduction to Acids and Bases 8.2 pH and pOH of Strong Acids and Bases 8.3 Weak Acid and Base Equilibria	BIG IDEA 2
23	Feb 23 rd	Feb 27 th	Unit 8: Acids and Bases 8.4 Acid-Base Reactions and Buffers 8.5 Acid-Base Titrations 8.6 Molecular Structure of Acids and Bases	BIG IDEA 2
24	Mar 2 nd	Mar 6 th	Unit 8: Acids and Bases 8.7 pH and pKa 8.8 Properties of Buffers 8.9 Henderson-Hasselbalch Equation	BIG IDEA 2
25	Mar 9 th	Mar 13 th	Unit 9: Applications of Thermodynamics 9.1 Introduction to Entropy 9.2 Absolute Entropy and Entropy Change	BIG IDEA 4

			9.3 Gibbs Free Energy and Thermodynamic Favorability	
26	Mar 30 th	Apr 3 rd	Unit 9: Applications of Thermodynamics 9.4 Thermodynamic and Kinetic Control 9.5 Free Energy and Equilibrium 9.6 Coupled Reactions.	BIG IDEA 4
27	Apr 6 th	Apr 10 th	Unit 9: Applications of Thermodynamics 9.7 Galvanic (Voltaic) and Electrolytic Cells 9.8 Cell Potential and Free Energy 9.9 Cell Potential Under Nonstandard Conditions 9.10 Electrolysis and Faraday's Law	BIG IDEA 4
28	Apr 13 th	Apr 17 th End of 3d Quarter	Preparation for the external exam	
29	Apr 20 th	Apr 24 th	Preparation for the external exam	
30	Apr 27 th	May 1 st	Preparation for the external exam	
31	May 4 th	May 8 th	External Exam	

32	May 11 th	May 15 th Grade 12 Final Exams Start May 13		
33	May 18 th	May 22 nd		
34	May 25 th	May 29 th		
35	Jun 1 st	Jun 5 th		
36	Jun 8 th	Jun 12 th	Jun 11 - Jun 22: Final Exams for Grades 4-11.	
37	Jun 15 th	Jun 19 th	Jun 11 - Jun 22: Final Exams for Grades 4-11.	
38	Jun 22 nd	Jun 26 th	Jun 22: Make-up Exam for absent students.	
39	Jun 29 th	Jul 3 rd	June 30 - July 2: Make-up Exam for failing students.	