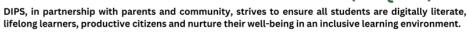




Dubai International Private School (Al-Quoz)





"Empowering Minds, Inspiring Hearts, Shaping the Future" "تمكين العقول، إلهام القلوب، تشكيل المستقبل"

Subject Matter: AP Chemistry

Semester: 2 2024 – 2025

Grade Level		12	Subject: AP Chemistry		
Teacher(s) Name		Rabab Faour			
Textbook		Chang book			
Week #	Dates		Lesson Title / Pages	CCSS / NGSS Code MOE	
20	27 Jan	31 Jan	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	
21	3 Feb	7 Feb	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	
22	10 Feb	14 Feb	Unit 8: Acids and Bases	BIG IDEA 2	

			8.4 Acid-Base Reactions and Buffers	
			8.5 Acid-Base Titrations	
			8.6 Molecular Structure of Acids and Bases	
			8.0 Molecular Structure of Acids and Bases	
			Unit 8:	
			Acids and Bases	
			8.7 pH and pKa	
22			8.8 Properties of Buffers	BIG
23	17 Feb	21 Feb	8.9 Henderson-Hasselbalch Equation	IDEA 2
			Unit 9: Applications of Thermodynamics	
	24 Feb	28 Feb	9.1 Introduction to Entropy	BIG IDEA 4
			9.2 Absolute Entropy and Entropy Change	
24			9.3 Gibbs Free Energy and Thermodynamic	
			Favorability	4
			9.4 Thermodynamic and Kinetic Control	
			Unit 9: Applications of Thermodynamics	
	3 Mar	7 Mar	9.5 Free Energy and Equilibrium	BIG IDEA
25			9.6 Coupled Reactions.	
			Coupled Reactions.	4
			Unit 9: Applications of Thermodynamics	
26	10 Mar	14 Mar	9.7 Galvanic (Voltaic) and Electrolytic Cells	BIG IDEA 4
			9.8 Cell Potential and Free Energy	

27	17 Mar	21 Mar	Unit 9: Applications of Thermodynamics 9.9 Cell Potential Under Nonstandard Conditions 9.10 Electrolysis and Faraday's Law	BIG IDEA 4
28	7 Apr	11 Apr	Extra Week to finalize any gap	
29	14 Apr	18 Apr	Another Extra Week to finalize any gap	
30	21 Apr	25 Apr	Revision For AP exam	
31	28 Apr	2 May	Revision For AP exam	
32	5 May	9 May	External Exam	
33	12 May	16 May	Final Exams (Grade 12)	
34	19 May	23 May	Final Exams (Grade 12)	