

Peicai Secondary School
 Subject Overview for Semester 1 2023
 Pure Chemistry | Secondary 3 | Express

TERM 1			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 3 & 4 T1W3 – CNY Celebration (Fri) T1W4 – CNY (Mon & Tue)	1.1 Experimental Chemistry <ul style="list-style-type: none"> • Practical 1.2 Collection of Gases 2.1 – 2.2 Kinetic Particle Theory	Assignment 1 – Experimental Chemistry Assignment 2 – KPT	
Week 5 & 6	5.1 Elements, Compounds & Mixtures 1.3 Separation Techniques <ul style="list-style-type: none"> • Practical • Planning Practice 1.3 Methods of Purification & Analysis	Assignment 3 – ECM Assignment 4 – Separation Techniques	
Week 7 & 8	3.1 – 3.3 Atomic Structure 14.1 Periodic Trends	Assignment 5 – Atomic Structure	
Week 9 & 10	4.1 – 4.3 Chemical Bonding 5.2 – 5.3 Properties of Materials	Assignment 6 – Chemical Bonding	<u>WA1 (T1W9):</u> <ul style="list-style-type: none"> • Experimental Chemistry • Kinetic Particle Theory • Elements, Compounds & Mixtures • Separation Techniques • Methods of Purification & Analysis • Atomic Structure • Periodic Trends

TERM 2			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 & 2	5.4 – 5.5 Properties of Materials 6.1 – 6.3 Chemical Formulae and Equations	Assignment 7 – Properties of Materials Assignment 8 – Chemical Formulae & Equations	
Week 3 & 4 T2W3 – Good Friday (Fri)	7.1 – 7.4 Mole Concept 7.5 Stoichiometry <ul style="list-style-type: none"> • Practical • Planning Practice 		
Week 5 & 6 T2W6 – Hari Raya Puasa (in-lieu) (Mon)	7.6 Percentage Yield & Percentage Purity 8.1 – 8.4 Acids & Bases	Assignment 9 – Mole Concept & Stoichiometry	
Week 7 & 8 T2W7 – Labour Day (Mon)	8.5 – 8.6 Acids & Bases 9.1 Solubility of Salts <ul style="list-style-type: none"> • Practical 	Assignment 10 – Acids & Bases	<u>WA2 (T2W8):</u> <ul style="list-style-type: none"> • Chemical Bonding • Properties of Materials • Chemical Formulae & Equation Writing • Mole Concept & Stoichiometry • Acids & Bases • Solubility of Salts
Week 9 & 10	9.2 Preparation of Salts <ul style="list-style-type: none"> • Practical 	Assignment 11 – Salts	

The subject overview is tentative and is subject to changes.