

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 4.1 – 4.3 Chemical Bonding	Assignment 5 – Atomic Structure Assignment 6 – Chemical Bonding	
Week 9 & 10	5.2 – 5.5 Properties of Materials 6.1 – 6.2 Chemical Formulae	Assignment 7 – Properties of Materials	<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	6.3 Equation Writing 7.1 – 7.4 Mole Concept	Assignment 8 – Chemical Formulae & Equation Writing	
Week 3 & 4 T2W3 – Good Friday (Fri)	7.5 Stoichiometry <ul style="list-style-type: none"> • Practical • Planning Practice 7.6 Percentage Yield & Percentage Purity	Assignment 9 – Mole Concept & Stoichiometry	
Week 5 & 6 T2W6 – Hari Raya Puasa (in-lieu) (Mon)	8.1 – 8.6 Acids & Bases 9.1 Solubility of Salts <ul style="list-style-type: none"> • Practical 	Assignment 10 – Acids & Bases	<u>WA2 (T2W6):</u> <ul style="list-style-type: none"> • Chemical Bonding • Properties of Materials • Chemical Formulae & Equation Writing • Mole Concept & Stoichiometry • Acids & Bases
Week 7 & 8 T2W7 – Labour Day (Mon)	9.2 Preparation of Salts <ul style="list-style-type: none"> • Practical 	Assignment 11 – Salts	
Week 9 & 10	11.1 – 11.3 Qualitative Analysis <ul style="list-style-type: none"> • Practical • Flow Chart & Writing Observations • Planning Practice 	Assignment 12 – QA	

The subject overview is tentative and is subject to changes.