

Peicai Secondary School
 Subject Overview for Semester 1 2023
 Science 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 and 1.2 Experimental Chemistry 2.1 to 2.4 Kinetic Particle Theory	Assignment 1 – Experimental Chemistry Assignment 2 – KPT	
Week 5 & 6	5.1 and 5.4 Structure and Properties of Materials – Element, Compound & Mixture, Metals & Alloys 1.3 and 1.4 Experimental Chemistry – Filtration, Simple Distillation & Paper Chromatography <ul style="list-style-type: none"> • Practical 	Assignment 3 – ECM, Metals & Alloys	
Week 7 & 8	1.3 and 1.4 Experimental Chemistry – Fractional Distillation & Crystallisation <ul style="list-style-type: none"> • Practical 3.1 to 3.3 Atomic Structure	Assignment 4 – Separation Techniques	
Week 9 & 10	3.1 to 3.3 Atomic Structure 11.1 The Periodic Table	Assignment 5 – Atomic Structure & Periodic Trends	<u>WA1 (T1W9)</u> <ul style="list-style-type: none"> • Experimental Chemistry • Kinetic Particle Theory • Structure and Properties of Materials (5.1 & 5.4)

Term 2			
Week	Chapter/Topic/Skill/Area	Assignment/ Homework	Weighted Assessment
Week 1 & 2	4.1 and 4.2 Chemical Bonding – Ionic Bonding 5.2 Structure and Properties of Materials – Ionic Substances	Assignment 6 – Ionic Bonding & its Properties	
Week 3 & 4 T2W3 – Good Friday (Fri)	4.3 Chemical Bonding – Covalent Bonding 5.3 Structure and Properties of Materials – Covalent Substances 6.1 to 6.3 Chemical Formulae and Equations	Assignment 7 – Covalent Bonding & its Properties	
Week 5 & 6 T2W6 – Hari Raya Puasa (in-lieu) (Mon)	6.1 to 6.3 Chemical Formulae and Equations 7.1 and 7.2 Mole Concept and Stoichiometry	Assignment 8 – Chemical Equation Writing Assignment 9 – Mole Concept	
Week 7 & 8 T2W7 – Labour Day (Mon)	7.3 Mole Concept and Stoichiometry <ul style="list-style-type: none"> Practical 		<u>WA2 (T2W8):</u> <ul style="list-style-type: none"> Atomic Structure The Periodic Table Chemical Bonding Structure and Properties of Materials Chemical Formulae and Equations
Week 9 & 10	7.3 Mole Concept and Stoichiometry 8.1 to 8.5 Acids and Bases <ul style="list-style-type: none"> Practical 	Assignment 10 – Chemical Calculations	

The subject overview is tentative and is subject to changes.