

YISHUN SECONDARY SCHOOL

Subject & Code: **Pure Chemistry 6092**

Level & Stream: **Sec 3 (Express) / Year 2023**

<b>The Curriculum and Approaches to Learning</b>		<b>Key Programmes / Competitions</b>
To cultivate the joy of learning Science by developing students' knowledge, skills and attitudes in scientific-thinking through a well-designed curriculum that focuses on scientific inquiry and authentic learning. To prepare students for a life-long passion in learning Science and enable them to innovate and contribute to a technologically-driven society.		Selected school competitions and enrichment programmes
<b>Term / Week</b>	<b>Learning Experiences (chapter, activity)</b>	<b>Learning Outcomes &amp; Assessment</b>
T1/1-3 T1/4-5 T1/6-7 T1/8-10	Ch 1: Experimental Chemistry Ch 2: Kinetic Particle Theory Ch 3: Atomic Structure Ch 4: Chemical Bonding	WA 1: 14 Feb (T1W7) WA 1 topics: Ch 1-3
T2/1-2 T2/3-5 T2/6-10	Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae & Balancing Chemical Equations Ch 7: Mole Concept & Stoichiometry (including titrations)	WA 2: 2 May (T2W7) WA 2 topics: Ch 4-6, 7.1-7.3
T3/1-3 T3/4-5 T3/6-8 T3/9-10	Ch 8: Acids and Bases Ch 9: Salts Ch 14: The Periodic Table Ch 15: The Reactivity Series	WA3: TBC
T4/1-2	Revision for End of Year Examination End of Year Exam End of Year activities	End of Year Examination (EOY)