

YISHUN SECONDARY SCHOOL

Subject & Code: **Chemistry 6092**

Level & Stream: **Sec 3 (Express), G3/ Year 2024**

<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>
T1/1-4 T1/4-5 T1/6-7 T1/8-10 Hol HW	Ch 1: Experimental Chemistry Practicals: <ul style="list-style-type: none"> <li>Filtration + Crystallisation</li> </ul> Ch 2: Kinetic Particle Theory Ch 3: Atomic Structure Ch 4: Chemical Bonding SLS on Diffusion	W1: back to school program W7: 12-13 Feb (CNY)  W6: WA1 – Chap 1 to 2
T2/1-2 T2/3-4 T2/6-8 T2/9-10 Hol HW	Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae and Equations Ch 7: Mole Concept and Stoichiometry Ch 8: Acids and Bases Practicals: <ul style="list-style-type: none"> <li>Titration</li> </ul> SLS on Acids and Bases	W2: 29 Mar (Good Fri) W4: 10 Apr (Hari Raya Puasa) W5: Student Learning Fest W7: 1 May (Labour Day) W10: 22 May (Vesak Day)  W7: WA2 – Chap 4-6, 7.1
T3/1-2 T3/3-4 T3/5-8 T3/9-10 Hol HW	Ch 8: Acids and Bases Practicals: <ul style="list-style-type: none"> <li>Reactions of Acids and Alkalis</li> <li>Indicators</li> </ul> Ch 9: Salts Ch 14: Periodic Table Ch 17: Rate of Reactions 2023 YSS EOY Exam paper	W2: 1 July (Youth Day) W5: 23-25 July HBL (GCE Oral Exam) W7: 8-9 Aug (National Day) Q10: 29-30 Aug (Teachers' Day)  W6: WA3 – Chap 6 to 8
T4/1-2 T4/3-4 T4/5-6	Revision for End of Year Examination End of Year Exam End of Year activities	EOY – Chap 1-9, 14, 17