YISHUN SECONDARY SCHOOL
Subject & Code: **Science (Chemistry) 5086 & 5088**
Level & Stream: **Sec 3 (Express), G3 / Year 2024**

The Curriculum and Approaches to Learning		**Key Programmes / Competitions**
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
Term / Week	**Learning Experiences (chapter, activity)**	**Learning Outcomes & Assessment**
1/1-4 1/5-6 1/7 1/8-10 Hol HW	Ch 1: Experimental Chemistry Practicals: ● Filtration and crystallisation Ch 2: Kinetic Particle Theory Ch 3: Atomic Structure Ch 4: Chemical Bonding (Ionic Bond) SLS Lesson on Ch 2 & 3	W1: Back To School Program W7: 12 – 13 Feb (CNY) W9: WA1 - Ch 1 to 3
2/1-3 2/4-6 2/7-8 2/9-10 Hol HW	Ch 4: Chemical Bonding (Covalent Bond) Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae & Balancing Chemical Equations Ch 7: Mole Concept & Stoichiometry Practical: ● Titration SLS Lesson on Ch 4 & 5	W2: 29 Mar (Good Friday) W4: 10 Apr (Hari Raya Puasa) W5: 14 – 19 Apr (YSS Learning Festival) W7: 1 May (Labour Day) W10: 23 May (Vesak Day) / MTL Intensive W9: WA2 - Ch 4 to 6
3/1-2 3/3-6 T3/7-9 3/10 Hol HW	Ch 7: Mole Concept & Stoichiometry Ch 8: Acids and Bases Practicals: ● Reactions of Acids and Alkalis ● Indicators Ch 14: Rate of Reactions Ch 11: The Periodic Table 2023 YSS EOY Exam papers	W2: 1 Jul (Youth Day) W7: 8 - 10 Aug (National Day) W10: 30 Aug (Teachers' Day) W9: WA3 - Ch 5 to 8
4	Revision for End of Year Examination End of Year Exam	End of Year Examination (EOY) Topics: Ch 1-8, 11 & 14