YISHUN SECONDARY SCHOOL
Subject & Code: **Chemistry 6092**
Level & Stream: **Sec 3 (Express), G3**

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. All class structured group work develops communication competency. All data based and planning questions develop adaptive thinking competency.
Term / Week	**Learning Experiences (chapter, activity)**	**Assessment & Events**
T1/1-3 T1/4-5 T1/6-7 T1/8-10 Hol HW	*Ch 1: Experimental Chemistry Practicals: ● Filtration + Crystallisation Ch 2: Kinetic Particle Theory Ch 3: Atomic Structure Ch 4: Chemical Bonding SLS on Diffusion	W1: Back To School Program W4: CNY Celebration 28 /01 (Tue) CNY 29/01 (Wed), 30/01 (Thu) WA1: 17-21 Feb, T1W7 Topics: Ch 1, 2 and 3 *adaptive thinking competency
T2/1-2 T2/3-4 T2/5-7 T2/8-10 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: ● Reactions of Acids and Alkalis ● Tests for gases SLS on Acids and Bases	W2: Hari Raya Puasa 31/03 (Mon) W4: Good Friday 18/04 (Fri) W6: Labour Day 01/05 (Thu) W8: Vesak Day 12/05 (Mon) W8: Student Learning Fest (Tue - Fri) W10: MTL Intensive for 4E5NA WA2: 28-30 Apr or 2 May, T2W6 Topics: Ch 4-6 & 7.2
T3/1-2 T3/3-4 T3/5-6 T3/7-8 T3/9-10 Hol HW	Ch 9: Salts Practicals: ● Titrations (acids+alkalis) Ch 14: Periodic Table Ch 17: Rate of Reactions Ch 12: Oxidation and Reduction Practicals: ● Tests for redox reagents Ch 13: Reactivity Series Practicals: ● Metal displacement (using well plates) 2024 YSS EOY Exam paper	W1: Youth Day celebration 04/07 W2: Youth Day 07/07 (Mon) W3: Oral Exam (HBL) 15 – 17/07 (Tue-Thu) W6: National Day celebration 08/08 (Fri) W7: off-in-lieu for National Day 11/08 (Mon) W10: Teachers' Day celebration 04/09 (Thu) W10: Teachers' Day 05/09 (Fri) WA3: 4-6 Aug, T3W6

		Topics: Ch 7-9, 14 & 17
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