YISHUN SECONDARY SCHOOL
Subject & Code: **Science (Chemistry) K223 (Sci Phy, Chem) and K225 (Sci Chem, Bio)**
Level & Stream: **Sec 3 G2**

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**
1/ 1-3 1/ 4-5 1/ 6-7 1/ 8-10	Ch 1: Experimental Chemistry Ch 2: Kinetic Particle Theory Ch 3: Atomic Structure Ch 4: Chemical Bonding (Ionic) SLS Lesson on Ch 2 & 3	WA1: Term 1 Week 6 TG1: 10 Feb TG2: 12 Feb Topics: Ch 1 and 2
2/ 1-3 2/ 4-6 2/ 8-10	Ch 4: Chemical Bonding (Covalent Bond) Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae & Balancing Chemical Equations SLS Lesson on Ch 8: Acids and Bases	WA2: Term 2 Week 6 TG1: 28 Apr TG2: 30 Apr Topics: Ch 3, 4 and 5 (include chemical formula only)
3/ 1-3 3/ 4-6 3/ 7-8 3/ 9 3/ 10	Ch 7: Mole Concept & Stoichiometry Ch 8: Acids and Bases Ch 11: The Periodic Table Revision for End of Year Examination 2025 YSS EOY Exam papers	WA3: Term3 Week6, 3-7 Aug Topics: Ch 6, 7 (Ar and Mr only) and 8
4/ 1-2	Revision for EOY End of Year Exam	End of Year Examination Topics: Ch 1 – 8 and Ch 11