

YISHUN SECONDARY SCHOOL

Subject & Code: **Science (Chemistry) 5105 & 5107**

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

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
1/1-3 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 Bond)	WA1: 14 Feb (T1W7) Topics: Ch 1 - 3
2/1-3 2/4-5 2/6-8 2/9-10	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 (including titrations)	WA2: 2 May (T2W7) Topics: Ch 3 - 5
3/1-2 3/3-6 3/7-8 3/9-10	Ch 7: Mole Concept & Stoichiometry Ch 8: Acids and Bases Ch 9.3: Qualitative Analysis (Test for Gases) Ch 11: The Periodic Table	WA3 - TBC
4	Revision for End of Year Examination End of Year Exam	End of Year Examination (EOY)