

YISHUN SECONDARY SCHOOL

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

Level & Stream: **Sec 3 (Normal Academic)**

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.		1. Sec 3 Math & Science Learning Journey 2. Math & Science Week 3. YSS Beyond Classroom Experience 4. ignITE Skills Challenge
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/1-2 1/3-5 1/3-5 1/5-6 1/9-10	Ch 1: Kinetic Particle Theory Ch 2: Measurements and Experimental Techniques Ch 3: Separation Techniques Ch 4: Elements, Mixtures and Compounds Ch 5: Atomic Structures	WA 1 Ch 1-4
2/1-6 2/9-10	Ch 6: Chemical Bonding & Formulae Ch 12: The Periodic Table & Group Properties	WA 2 Ch 5-6
3/1-4 3/4-9 3/9-10	Ch 12: The Periodic Table & Group Properties Ch 11: Metals Ch 7: Chemical Formulae and Equations	WA 3 Ch 11- 12
4/1 4/2-3 4/6	Ch 13: The Atmosphere and Environment Revision for End of Year Examination Ch 8: Mole Concept	End of Year Examination Ch 1-7 & 11-13