

YISHUN SECONDARY SCHOOL

Subject & Code: **Science (Chemistry) 5076 & 5078**

Level & Stream: **Sec 4 (Express) & Sec 5 (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/ 6-9 1/ 10	Ch 11: Salts (11.3 Qualitative Analysis) Ch 12: Oxidation and Reduction Ch 13: Metals Ch 8: The Mole	WA1: 7 Feb (T1W6) Topics: Ch 7, 10 & 11
2/ 1-2 2/ 3 2/ 4-5 2/ 6 2/ 7-9	Ch 9: Chemical Calculations Ch 15: Energy Changes Ch 16: Speed of Reaction Ch 17: The Atmosphere and Environment Ch 18: An Introduction to Organic Chemistry Ch 19: Alkanes and Alkenes	WA2: T11 Apr (T2W4) Topics: Ch 7, 8, 12, 13
3/ 1-2 3/ 3-7 3/ 8-10	Ch 20: Alcohols and Carboxylic Acids Revision Prelims	Prelim: All Chapters
4	Revision and GCE 'O' Level Exam	