

YISHUN SECONDARY SCHOOL

Subject & Code: **Pure Chemistry 6092**

Level & Stream: **Sec 4E (Express) / 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/ 1-2 1/ 3-4 1/ 5-7 1/ 8-10	Ch 12.3 - Qualitative Analysis Ch 13 - Oxidation and Reduction Ch 14 – Metals Ch 15 – Electrolysis	WA 1: 28 Feb (T1W9) WA 1 topics: Ch 11 to 14
2/ 1-2 2/ 3-4 2/ 5 2/ 6 2/ 7 2/ 8 2/ 9-10	Ch 17 – Energy Changes Ch 18 – Speed of Reaction Ch 19 – Ammonia Ch 20 – The Atmosphere and Environment Ch 21 – An introduction to Organic Chemistry Ch 22 – Alkanes and Alkenes Ch 23 – Alcohols and Carboxylic Acid	WA 2: 16 May (T2W9) WA 2 topics: Ch 15, 17, 18
3/ 1-2	Ch 24 – Macromolecules Revision and Prelims	Prelims - All Chapters
4	Revision and O levels	