YISHUN SECONDARY SCHOOL
Subject & Code: Science (Chemistry) 5076/5078
Level & Stream: Sec 3 Express

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. Skills and Processes to be learnt: - Scientific Thinking - Problem Identification - Planning and conducting investigations through experiments - Information Handling - Communicating Results	1. Sec 3 Math & Science Learning Journey 2. Math & Science Week 3. YSS Beyond Classroom Experience 4. Crystal Growing Competition 5. NYP Science & Tech Challenge

Term / Week	**Learning Experiences (chapter, activity)**	**Learning Outcomes & Assessment**
T1W1 T1W2 T1W3 T1W4 T1W7 T1W8	Chapter 2: Measurement and Experimental Techniques Chapter 1: Kinetic Particle Theory Chapter 4: Elements, Compounds and Mixtures Chapter 3: Separation and Purification Chapter 5: Atomic Structure Chapter 6: Chemical Bonding	WA1 -Chapters 1 to 4
T2W1 T2W4 T2W7	Chapter 7: Chemical Formulae and Balancing Chemical Equations Chapter 14: Periodic Table Chapter 13: Metals	WA2 -Chapters 5 to 7 and 14
T3W1 T3W3 T3W7	Chapter 13: Metals (continued) Chapter 10: Acids and Bases Chapter 17: The Atmosphere and Environment	WA3 -Chapters 10 and 13
T4W1	Revision for EOY	EOY -Chapters 1 to 7, 10, 13, 14, 17
T4W6	Head-start Programme: Chapter 8: The Mole	