YISHUN SECONDARY SCHOOL
Subject & Code: **G3 Chemistry K323**
Level & Stream: **Sec 3 G3**

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. All class structured group work develops communication competency. All data based and planning questions develop adaptive thinking competency.
Term / Week	**Learning Experiences (chapter, activity)**	**Assessment & Events**
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 SLS Lesson on Ch 2: Diffusion	WA1: Term 1 Week 6 TG1: 10 Feb TG2: 10 Feb Topics: Ch 1 and 2
2/1-3 2/4-5 2/6-8 2/9-10	Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae & Balancing Chemical Equations Ch 7: Mole Concept and Stoichiometry Ch 8: Acids and Bases SLS Lesson on Ch 8: Acids and Bases	WA2: Term 2 Week 6 TG1: 28 April TG2: 28 April Topics: Ch 3, 4, 5 and 6
3/1-2 3/3-4 3/5-6 3/7-8 3/9-10	Ch 9: Salts Ch 14: The Periodic Table Ch 17: Rate of Reaction Ch 12: Oxidation and Reduction Ch 15: Reactivity Series	WA3: Term 3 Week 6, 3-7 Aug Topics: Ch 7 - 9 and 14
4/1-2 4/3-4	Revision for End of Year Examination End of Year Exam	End of Year Examination (EOY) Topics: Ch 1-9, 12, 14 & 17