

YISHUN SECONDARY SCHOOL

Subject & Code: **Science (Chemistry) K326 (Sci Phy,Chem) & K328 (Sci Chem, Bio)**

Level & Stream: **Sec 3 G3**

<b>The Curriculum and Approaches to Learning</b>		<b>Key Programmes / Competitions</b>
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.
<b>Term / Week</b>	<b>Learning Experiences (chapter, activity)</b>	<b>Assessment &amp; Events</b>
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 (Ionic Bond) SLS Lesson on Ch 2 & 3	WA1: Term 1 Week 9 TG1: 4 Mar TG2: 4 Mar Topics: Ch 1, 2 and 3
2/ 1-3 2/ 4-6 2/ 8-10	Ch 4: Chemical Bonding (Covalent Bond) Ch 5: Structure and Properties of Materials Ch 6: Chemical Formulae & Balancing Chemical Equation SLS Lesson on Ch 8: Acids and Bases	WA2: Term 2 Week 8 TG1: 12 May TG2: 14 May Topics: Ch 3, 4, 5 include chemical formulae only
3/ 1-3 3/ 4-6 3/ 7 3/ 8-9 3/ 10	Ch 7: Mole Concept & Stoichiometry Ch 8: Acids and Bases Ch 13: Chemical Energetics Ch 11: The Periodic Table Revision for End of Year Examination	WA3: T2W9, 24-28 Aug Topics: Ch 5, 6, 7 and 8
4	Return and review WA3 Revision for End of Year Examination End of Year Exam	End of Year Examination (EOY) Topics: Ch 1-8, 11 & 13