

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.		<p>Selected school competitions and enrichment programmes.</p> <p>All class structured group work develops communication competency.</p> <p>All data based and planning questions develop adaptive thinking competency.</p>
Term / Week	Learning Experiences (chapter, activity)	Assessment & Events
T1/1-3 T1/4-5 T1/6-7 T1/8-10 Hol HW	<p>*Ch 1: Experimental Chemistry + Lab safety briefing</p> <p>Practicals:</p> <ul style="list-style-type: none"> Filtration + Crystallisation <p>Ch 2: Kinetic Particle Theory</p> <p>Ch 3: Atomic Structure</p> <p>Ch 4: Chemical Bonding</p> <p>SLS on Diffusion</p>	<p>W1: Back To School Program</p> <p>W4: CNY Celebration 28 /01 (Tue) CNY 29/01 (Wed), 30/01 (Thu)</p> <p>WA1: 17-21 Feb, T1W7</p> <p>Topics: Ch 1, 2 and 3</p> <p>*adaptive thinking competency</p>
T2/1-2 T2/3-4 T2/5-7 T2/8-10 Hol HW	<p>Ch 5: Structure and Properties of Materials</p> <p>Ch 6: Chemical Formulae and Equations</p> <p>Ch 7: Mole Concept and Stoichiometry</p> <p>Ch 8: Acids and Bases</p> <p>Practicals:</p> <ul style="list-style-type: none"> Reactions of Acids and Alkalis Tests for gases <p>SLS on Acids and Bases</p>	<p>W2: Hari Raya Puasa 31/03 (Mon)</p> <p>W4: Good Friday 18/04 (Fri)</p> <p>W6: Labour Day 01/05 (Thu)</p> <p>W8: Vesak Day 12/05 (Mon)</p> <p>W8: Student Learning Fest (Tue - Fri)</p> <p>W10: MTL Intensive for 4E5NA</p> <p>WA2: 28-30 Apr or 2 May, T2W6</p> <p>Topics: Ch 4-6 & 7.2</p>
T3/1-2 T3/3-4 T3/5-6 T3/7-8 T3/9-10 Hol HW	<p>Ch 9: Salts</p> <p>Practicals:</p> <ul style="list-style-type: none"> Titrations (acids+alkalis) <p>Ch 14: Periodic Table</p> <p>Ch 17: Rate of Reactions</p> <p>Ch 12: Oxidation and Reduction</p> <p>Practicals:</p> <ul style="list-style-type: none"> Tests for redox reagents <p>Ch 13: Reactivity Series</p> <p>Practicals:</p> <ul style="list-style-type: none"> Metal displacement (using well plates) <p>2024 YSS EOY Exam paper</p>	<p>W1: Youth Day celebration 04/07</p> <p>W2: Youth Day 07/07 (Mon)</p> <p>W3: Oral Exam (HBL) 15 – 17/07 (Tue-Thu)</p> <p>W6: National Day celebration 08/08 (Fri)</p> <p>W7: off-in-lieu for National Day 11/08 (Mon)</p> <p>W10: Teachers' Day celebration 04/09 (Thu)</p> <p>W10: Teachers' Day 05/09 (Fri)</p> <p>WA3: 4-6 Aug, T3W6</p>

		Topics: Ch 7-9, 14 & 17
T4/1-2 T4/3-4 T4/5-6	Revision for End of Year Examination End of Year Exam End of Year activities	EOY – Chap 1-9, 14, 17