

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
1/ 1-3 1/ 4-5 1/ 6-7 1/ 8-10 Hol HW	<p>*Ch 1: Experimental Chemistry + Lab safety briefing</p> <p>Practical:</p> <ul style="list-style-type: none"> Crystallisation, Distillation, Paper Chromatography <p>Ch 2: Kinetic Particle Theory</p> <p>Ch 3: Atomic Structure</p> <p>Ch 4: Chemical Bonding (Ionic)</p> <p>Practical:</p> <ul style="list-style-type: none"> Test for gases <p>SLS Lesson on Ch 2 & 3</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 – 3 (45 min)</p> <p>*adaptive thinking competency</p>
2/ 1-3 2/ 4-6 2/ 7 2/ 8 2/ 9-10 Hol HW	<p>Ch 4: Chemical Bonding (Covalent)</p> <p>Ch 5: Structure and Properties of Materials</p> <p>Go through WA2</p> <p>YSS Student Learning Festival</p> <p>Ch 6: Chemical Formulae & Equations</p> <p>SLS Lesson on Ch 4 & 5</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 3 – 5 (45 min)</p>
3/ 1-2 3/ 3-4 3/ 5 3/ 6-7 3/ 8-10 Hol HW	<p>Ch 7: Mole Concept</p> <p>Ch 8: Acids and Bases</p> <p>Revision for WA3</p> <p>Ch 8: Acids and Bases</p> <p>Ch 11: The Periodic Table</p> <p>Past year school exam papers</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>

		W7: off-in-lieu for National Day 11/08 (Mon) W10: Teachers' Day celebration 04/09 (Thu) W10: Teachers' Day 05/09 (Fri) WA3: 4-6 Aug, T3W6 Topics: Ch 5, 6, 7 and 8 (45 min)
4/ 1-2	Revision for EOY End of Year Exam	End of Year Examination Topics: Ch 1 – 8 and Ch 11