

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/ 1-4	Ch 9: Qualitative Analysis Practical: <ul style="list-style-type: none"> Tests for gases, cations and anions 	W1: Back To School Program W4: CNY Celebration 28 /01 (Tue) CNY 29/01 (Wed), 30/01 (Thu)
1/ 5-8	Ch 12.2 to 12.4: The Reactivity Series Practical: <ul style="list-style-type: none"> Metal displacement (using well plates) 	WA1: 10-14 Feb, T1W6 Topics: Ch 6, 8 and 9 (45 min)
1/ 9-10	Ch 10: Oxidation and Reduction Practical: <ul style="list-style-type: none"> Test for Redox reagents (TYS 2019, Paper 5) 	
Hol HW	SLS: QA Package (Test for ions + gases)	
2/ 1	Ch 13: Chemical Energetics	W2: Hari Raya Puasa 31/03 (Mon)
2/ 2	Ch 11: The Periodic Table (recap + contd)	W4: Good Friday 18/04 (Fri)
2/ 3	*Ch 15: Fuels and Crude Oil	W6: Labour Day 01/05 (Thu)
2/ 4	Ch 16: Hydrocarbons	W8: Vesak Day 12/05 (Mon)
2/ 6-7	Ch 17: Alcohols and Carboxylic Acid	W8: Student Learning Fest (Tue - Fri)
2/ 8	YSS Student Learning Festival	W10: MTL Intensive for 4E5NA
2/ 9	Ch 18: Polymers	
2/ 10	Sec 4 MT intensive	*adaptive thinking competency
		WA2: 14-18 Apr, T2W4 Topics: Ch 6, 8, 9, 12 and 13 (45 min)
June Wk 4	Term 2 Practicals: Practical 1 - 2017 P5 June Holidays Practicals: Practical 2 - 2024 Specimen Paper	

	<p>Practical 3 - 2022 P5 All practical: 1 hr 30 min</p>	
Hol HW	SLS: Chapter 19: Maintaining Air Quality and 2024 Specimen Paper P1 and P3	
3/ 1-2 3/ 3 3/ 4 3/ 5 3/ 6 3/ 7-10	<p>*Chapter 19: Maintaining Air Quality and Planning Qns 2024 Specimen Paper P1 and P3 2020 TYS P1 and P3 2021 TYS P1 and 3 2022 TYS P1 and 3 Practical & Prelim Exam</p>	<p>W1: Youth Day celebration 04/07 W2: Youth Day 07/07 (Mon) W3: Oral Exam (HBL) 15 – 17/07 (Tue-Thu) W6: National Day celebration 08/08 (Fri) W7: off-in-lieu for National Day 11/08 (Mon) W10: Teachers' Day celebration 04/09 (Thu) W10: Teachers' Day 05/09 (Fri)</p>
Hol HW	<p>Term 3 Practicals: Practical 4 - 2023 P5 Practical 5 - 2021 P5</p> <p>All practicals: 1hr 30min 2024 P1 and P3</p>	<p>Timed Practice: 21-25 Jul, T3W4 Topics: all chapters</p> <p>Prelim exams: T3W8-10 Topics: all chapters</p> <p>*adaptive thinking competency</p>
4/ 1-4	<p>Script Check 2023 TYS P1 and 3 Conclusion/Evidence Worksheet 2019, 2018 TYS P1 and P3 Revision for O levels</p> <p>Practical 6 Skill-based: 2013 – test (a) 2020 – test (g) 2014 – test (a)</p>	