

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.
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/2-4 1/4-7 1/8-10	Chapter 1: Measurements Chapter 2: Kinematics Chapter 3: Forces and Pressure (March Holiday Homework: SLS lesson on Chapter 4) Practical 1: Vernier Calipers, Micrometer Screw Gauge and Simple Pendulum [focus on concepts, measurement and recording skills, precision of instrument]	W1: Back To School Program W7: 12 – 13 Feb (CNY) Wk 9: WA1 - Chapter 1 & 2
2/1-3 2/4-5 2/7-8 2/9-10	Chapter 4: Dynamics Chapter 5: Energy Chapter 6: Kinetic Particle Model of Matter Chapter 7: Thermal Processes (June Holiday Homework: SLS lesson on Chapter 7) Practical 2: Acceleration due to gravity by rolling a wooden cylinder down a ramp. [focus on concepts, measurement and recording skills, precision of instrument & sources of error]	W2: 29 Mar (Good Fri) W4: 10 Apr (Hari Raya Puasa) W5: 14 – 19 Apr (YSS Learning Festival) W7: 1 May (Labour Day) W10: 23 May (Vesak Day) W9: WA2 Chapter 3 to 6
3/1-2 3/3-5 3/6-7 3/8-10	Chapter 7: Thermal Processes Chapter 8: General Wave Properties Chapter 9: EM Spectrum Chapter 10: Electric Charge and Current of Electricity (September Holiday Homework: Past Year Papers) Practical 3: Speed of water waves as depth of water changes. [focus on concepts, measurement and recording skills, precision of instrument & sources of error]	W7: 8 - 10 Aug (National Day) W10: 30 Aug (Teachers' Day) W9: WA3 - Chapter 7 to 9
4/1-3	Revision for EOY Exam	EOY: Chapter 1 to 10