

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 1/ 3-7 1/ 8-9 1/ 10 Hol HW 1/ 2-5 1/ 6-10	Topic 1: Physical Quantities, Units and Measurements Topic 14: Light Topic 11: General Wave Properties I: Introduction Topic 12: General Wave Properties II: Sound SLS on Topic 10: General Wave Properties II: Sound Practical 1: Vernier Calipers, Micrometer Screw Gauge * Practical 2: Simple Pendulum * <i>*focus on concepts, measurement and recording skills</i>	WA1 - T1W9: Chapter 1 & 14
2/ 1 2/ 2 2 / 3-5 2/ 6-7 2/ 7-8 2 / 9-10 Hol HW 2/ 1-4 2 / 5-8	Topic 12: General Wave Properties II: Sound Topic 13: Electromagnetic Spectrum Topic 2: Kinematics Topic 3: Dynamics I: Mass and Weight Topic 4: Dynamics II: Forces Topic 5: Turning Effects of Forces SLS on Topic 5: Turning Effects of Forces Practical 3: Converging Lens* Practical 4: Vertical Oscillations** <i>*focus on concepts, measurement and recording skills</i> <i>**focus on measurements, recording skills and graphing</i>	WA2 - T2W9: Ch 2, 3, 11 to 13
3/ 1 3/ 2-4 3/ 5-7 3/ 8 3 / 9-10 Hol HW 3/ 1-4	Topic 5: Turning Effects of Forces Topic 6: Pressure Topic 7: Energy Topic 8: Kinetic Particle Model of Matter Topic 9: Thermal Process SLS on Topic 8: Thermal Properties of Matter Practical 5: Pivoting Protractor using Paper Clips** <i>**focus on measurements, recording skills and graphing</i>	WA 3 - TBC

4/ 1	Thermal Properties of Matter (until Sp. Heat Cap)	
4/ 2	Revision for EOY	