

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Physics) 5105

Level & Stream: Sec 3NA (Normal Academic)

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/ 1-3 1/ 4-6 1/ 7-8 1/ 9-10 Hol HW	Chapter 1: Physical Quantities, Units and Measurements Chapter 9: General Wave Properties I: Introduction Chapter 11: Electromagnetic Spectrum Chapter 2: Kinematics SLS on Chapter 2: Kinematics	W0: back to school program W4: 29 - 30 Jan (CNY) W5: 7 Mar (HBL) W6: 14 Mar (HBL)
1/ 2-5 1/ 6-10	Practical 1: Vernier Calipers, Micrometer Screw Gauge * Practical 2: Simple Pendulum * <i>*focus on concepts, measurement and recording skills</i>	W9: WA1 – Chapter 1, 9, and 11 3P21 - Day 4 3P26 - Day 3
2/ 1-2 2/ 2-4 2/ 5-8 2 / 9-10 Hol HW	Chapter 2: Kinematics Chapter 3: Forces and Pressure Chapter 4: Dynamics Chapter 6: Energy SLS on Chapter 6: Energy	W2: 31 Mar (Hari Raya Puasa) W4: 18 Apr (Good Fri) W6: 1 May (Labour Day)/2 May (HBL) W7: 9 May (HBL) W8: 12 May (Vesak Day) / 13-16 May (Sec 3 Adventure Camp)
2/ 1-4	Practical 3: Density* <i>*focus on concepts, measurement and recording skills</i>	W7: WA2 – Chapter 2 – 4
3/ 1 3/ 2-3 3/ 4-7 3/ 8-10 Hol HW	Chapter 6: Energy Chapter 7: Kinetic Particle Model of Matter Chapter 8: Thermal Processes Chapter 13: Electric Charge and Current of Electricity Past Year EOY	W2: 7 Jul (Youth Day) W3: 15-17 Jul HBL (GCE Oral Exam) W6: 8 Aug (National Day) W7: 11 Aug (ND School Hol) W10: 4-5 Sep (Teachers' Day)
3/ 6-9	Practical 4: Determining resistance* <i>*focus on concepts, measurement and recording skills</i>	W9: WA3 – Chapter 6 – 8
4/ 1-3	Revision for EOY	EOY: Chapter 1-4, 6-9, 11, and 13