YISHUN SECONDARY SCHOOL
Subject & Code: Sci (Physics) 5105
Level & Stream: Sec 3 (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**
1/2-4 1/5-7 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]	WA1 - T1W9: Ch 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]	WA2 - T2W9: Ch 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]	WA3 - TBC
4/1-3	Revision for EOY Exam	