

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Physics) K223

Level & Stream: Sec 3 G2

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	Chapter 1: Physical Quantities, Units and Measurements Chapter 9: General Wave Properties I: Introduction Chapter 11: Electromagnetic Spectrum Chapter 2: Kinematics	WA1 – Chapter 1, 9, and 11
2/ 1-3 2/ 4-6 2/ 7-10	Chapter 2: Kinematics Chapter 3: Forces and Pressure Chapter 4: Dynamics	WA2 – Chapter 2 – 4
3/ 1-3 3/ 3-6 3/ 7-10	Chapter 6: Energy Chapter 7: Kinetic Particle Model of Matter Chapter 8: Thermal Processes	WA3 – Chapter 6 – 8
4/ 1-3	Revision for EOY	EOY: Chapter 1-4, 6-9, and 11