

YISHUN SECONDARY SCHOOL
 Subject & Code: Physics K323
 Level & Stream: Sec 3 G3

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.		<p>Selected school competitions and enrichment programmes.</p> <p>All class structured group work develops communication competency.</p> <p>All data based and planning questions develop adaptive thinking competency.</p>
Term / Week	Learning Experiences (Chapter, Activity)	Learning Outcomes & Assessment
1/ 2 1/ 3-76 1/ 7-8 1/ 9-10	Chapter1: Physical Quantities, Units and Measurements Chapter 14: Light Chapter 11: General Wave Properties I: Introduction Chapter 12: General Wave Properties II: Sound	Chapter: 1 and 14
2/ 1 2/ 2-5 2 / 6 2/ 7-9 2 / 10	Chapter 13: Electromagnetic Spectrum Chapter 2: Kinematics Chapter 3: Dynamics I: Mass and Weight Chapter 4: Dynamics II: Forces Chapter 5: Turning Effects of Forces	Chapter: 2, 11 to 13
3/ 1 3/ 2-4 3/ 5-7 3/ 8 3 / 9-10	Chapter 5: Turning Effects of Forces Chapter 6: Pressure Chapter 7: Energy Chapter 8: Kinetic Particle Model of Matter Chapter 9: Thermal Process	Chapter: 3 to 6
4/ 1-2	Revision for EOY	EOY - Chapter 1 to 9, 11 to 14