

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Physics) 5105

Level & Stream: Sec 4 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.		
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/0 1/1 1/3 1/6 1/9	Chapter 11: Electromagnetic Spectrum Quiz Chapter 12: Sound Chapter 13: Current Electricity Chapter 14: D.C. Circuits Chapter 15: Practical Electricity	<u>WA1</u> • Waves • Electromagnetic Spectrum • Sound • Current Electricity
2/2 2/3 2/6 2/7	Chapter 7: Kinetic Model of Matter Chapter 8: Transfer of Thermal Energy Revision for Mid-Year Exam Mid-Year Exam	<u>WA2</u> • Current Electricity • D.C. Circuits • Practical Electricity • Kinematics <u>Mid-Year Exam</u> • All chapters except Thermal Properties of Matter
3/1 3/4 3/6	Chapter 9: Thermal Properties of Matter Revision for Preliminary Exam Preliminary Exam	<u>WA3</u> • Kinetic Model of Matter • Transfer of Thermal Energy • Thermal Properties of Matter • Forces & Pressure <u>Preliminary Exam</u> • All topics