

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Physics) 5076

Level & Stream: Sec 3 (Express)

The Curriculum and Approaches to Learning		Key Programmes / Competitions
<p>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> <p>Skills and Processes to be learnt:</p> <ul style="list-style-type: none"> - Scientific Thinking - Problem Identification - Planning and conducting investigations through experiments - Information Handling - Communicating Results 		<ol style="list-style-type: none"> 1. Sec 3 Math & Science Learning Journey 2. Math & Science Week 3. YSS Beyond Classroom Experience 4. NYP Science & Tech Challenge
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1/1 1/4 1/7	Chapter 1: Physical Quantities, Units & Measurement Chapter 4: Mass, Weight, Density Chapter 2: Kinematics	WA1 Ch 1 & 4
2/1 2/3 2/6	Chapter 3: Forces & Pressure Chapter 5: Turning Effect of Forces Revision for Mid-Year Exam	Mid-Year Exam Ch 1-4
3/1 3/5 3/7	Chapter 6: Work, Energy, Power Chapter 11: General Wave Properties Chapter 13: Sound	WA2 Ch 3, 5 & 6
4/1 4/8	Revision for End-of -Year Exam Head start Programme: Chapter 12: Electromagnetic Spectrum	End of Year Exam All topics (Ch 1-6, Ch 11 & Ch 13)