

YISHUN SECONDARY SCHOOL

Subject & Code: **Science (Physics) 5086**

Level & Stream: **Sec 4E (Express) / Year 2024**

<b>The Curriculum and Approaches to Learning</b>		<b>Key Programmes / Competitions</b>
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.
<b>Term / Week</b>	<b>Learning Experiences (Chapter, Activity)</b>	<b>Learning Outcomes &amp; Assessment</b>
1/ 2 1/ 2-6 1/ 7-9 1/ 10 Hol HW	Drawing of Graphs Chapter 13: Electric Charge and Current Electricity Chapter 14: DC Circuits Chapter 15: Practical Electricity SLS on Topic 15: Practical Electricity  Practical 1: 2022 Prelim (Moments) Practical 2: 2013 O Lvl (Waves) Practical 3: 2017 O Lvl (CG)	W1: back to school program W7: 12-13 Feb (CNY)  W9: WA1 – Chapter 7 to 8, 13 to 14
2/ 1-2 2/ 4-7 2/ 8-9	Chapter 15: Practical Electricity Chapter 16: Magnetism & Electromagnetism Chapter 17: Radioactivity  Practical 4: 2016 O lvl (Electricity) Practical 5: 2011 O Lvl (Thermal)	W2: 29 Mar (Good Fri) W4: 10 Apr (Hari Raya Puasa) W5: Student Learning Fest W7: 1 May (Labour Day) W10: 22 May (Vesak Day) / MTL Intensive  W7: WA2 - Chapter 9 to 12, 14 to 16 (Only magnetism)
June Wk 4  Hol HW	Practical 6: 2023 O Level (Moments) Practical 7: 2022 O Level (Pendulum)  2019 TYS P2	
3/ 1-2 3/ 3 3/ 4 3/ 5 3/ 6 3/ 7-10 Hol HW	Chapter 17: Radioactivity 2020 TYS P2 2019 & 2020 TYS P1 2021 TYS P2 2022 TYS P2 Practical & Prelim Exam 2023 TYS P2  Practical 8: 2022 Prelim (Electricity) Practical 9: Refraction	W2: 1 July (Youth Day) W5: 23-25 July HBL (GCE Oral Exam) W7: 8-9 Aug (National Day) Q10: 29-30 Aug (Teachers' Day)  W5: WA3 (during consultation slot) – Chapter 1 to 6, 16 to 17
4/ 1-4	Revision for O-Level	

	Practical 10: Lens 2018 TYS P1 & 2	
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