

YISHUN SECONDARY SCHOOL

Subject & Code: **Physics 6091**

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

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/ 2-3 1/ 4-5 1/ 6 1/ 7-8 1/9-10 Hol HW	Chapter 10: Thermal properties of Matter Chapter 15: Static Electricity Chapter 16: Current Electricity Chapter 17: D.C. Circuits Chapter 18: Practical Electricity SLS on Chapter 18: Magnetism Practical 1: Period of a pendulum Practical 2: Reflection and Refraction Practical 3: Resistivity of wire. All practical: 1hr	W1: back to school program W7: 12-13 Feb (CNY) W5: WA1 – Topic 1, 8, 9, 10, 15
2/ 1 2/ 2-3 2 / 4-7 2/ 8-9	Chapter 19: Magnetism Chapter 20: Electromagnetism Chapter 21: Electromagnetic Induction Chapter 22: Radioactivity Practical 4: Practical 5: Rate of Internal Energy Lost and Internal Energy in Stretched Spring Practical 6: Moment and Power of Candle All practical: 1 hr 30 mins (excluding planning)	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 W4: WA2 - Topic 11 to 19
June Wk 1 Hol HW	Practical 7: 2022 Prelim Practical 8: 2023 Prelim All practical: 1 hr 30 min 2019 TYS P2	
3/ 1-2 3/ 3 3/ 4 3/ 5 3/ 6 3/ 7-10 Hol HW	Topic 22: Radioactivity 2020 TYS P2 2019 & 2020 TYS P1 2021 TYS P2 2022 TYS P2 Practical & Prelim Exam 2023 TYS P2 Practical 9: 2023 O Lvl Practical 10: 2022 O Lvl	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: 4E1 WA3 (during consultation slot) W6: 4E2 — Topic 5, 19 to 22

	All practical: 2 hr	
4/ 1-4	Revision for O-Level Practical 11: 2021 O Lvl All practical: 2 hr 2018 TYS P1 & 2 + Planning Questions	