

YISHUN SECONDARY SCHOOL

Subject & Code: Science (Biology) 5107

Level & Stream: Sec 4 Normal (Academic) / 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/ 2-5 1/ 6-10	Chapter 9: Nutrition in Plants Chapter 9: Transport in Plants [T1W3] Practical 1: Plant and Animal Cells [T1W5] Practical 2: Cucumber, tomato, variegated leaf, kiwi, onion [T1W7] Practical 3: Diffusion and Osmosis [T1W9] Practical 4: Food Test 1 <u>March Holiday</u> 2023 5107 O Level P5 & P6	W1: back to school program W7: 12-13 Feb (CNY) WA1 (Wk5, 50 mins): Chapter 6 – Transport in Humans, Chapter 7 – Respiration in Humans, Chapter 8 – Infectious Diseases in Humans
2/ 1-10	Revision T2W1 HW: 2022 5107 O Level P5 & P6 T2W3 HW: 2021 5107 O Level P5 & P6 T2W6 HW: 2020 5107 O Level P5 & P6 T2W8 HW: 2019 5107 O Level P5 & P6 [T2W2] Practical 5: Food Test 2 [T2W4] Practical 6: Food Test 3 [T2W6] Practical 7: Energy Value [T2W8] Practical 8: Visking Tubing [T2W10] Practical 9: Test for starch in leaves <u>June Holiday</u> 2018 5107 O Level P5 & P6	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 WA2 (Wk4, 1h 30 mins): Chapters 1 – 5 and 9
3/ 1-10	Revision, Prelim and GCE N Level T3W1 HW: 2017 5107 O Level P5 & P6 T3W3 HW: 2016 5107 O Level P5 & P6 T3W5 HW: 2015 5107 O Level P5 & P6 T3W7 HW: 2014 5107 O Level P5 & P6 T3W9 HW: 2013 5157 O Level P5 & P6 [T3W1] Practical 10: Cobalt Chloride paper and xylem vessels [T3W2] Practical 11: Bicarbonate Indicator	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) WA3 (Wk3, 1h 10 mins): Chapters 1 to 9
4/1-10	Revision and GCE N Level	Prelim: Ch 1 to 9