



Term	Week	YEAR 8 SCIENCE 2025 SCOPE AND SEQUENCE
1	1	All Systems Go (Approximately 30 hours)
	2	How cells, tissues and organs work together in coordinated systems to allow an organism to function effectively.
	3	
	4	Technological and medical advancements designed to combat disease and ailments are also studied.
	5	Outcomes: SC4-1VA, SC4-3VA, SC4-4WS, SC4-5WS, SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, SC4-14LW, SC4-15LW
	6	
	7	Major Assessment Task:
	8	Research Assignment on Organ Transplantation.
	9	
	10	
2	1	Our Resourceful Earth (Approximately 30 hours)
	2	The Earth's place in the solar system and space. The phenomena of day and night, seasons, tides and even eclipses are demystified.
	3	The Earth offers natural resources for use but their rapid and uncontrolled use is leading to depletion. Sustainability requires greater focus on renewable resources and the efficient use of non-renewable resources.
	4	
	5	Outcomes: SC4-1VA, SC4-2VA, SC4-3VA, SC4-4WS, SC4-5WS, SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, SC4-12ES SC4-13ES
	6	
	7	Major Assessment Task:
	8	Individual Open-Ended Stage 4 Investigation into Renewable Energy.
	9	
3	1	E = mc² (Approximately 30 hours)
	2	Classifying matter into elements, compounds or mixtures and how the properties of these forms of matter can give rise to their use. 'Energy' is defined. Different forms of energy are identified. Everyday energy transfers and transformations are explored with an appreciation of the conservation of energy.
	3	
	4	Energy efficiency and the ways to conserve energy are investigated.
	5	Outcomes: SC4-1VA, SC4-2VA, SC4-3VA, SC4-4WS, SC4-5WS, SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, SC4-11PW, SC4-17CW
	6	
	7	Major Assessment Task:
	8	Open-ended group practical investigation into insulation/double glazing.
	9	
	10	
4	1	Food and Water (Approximately 27 hours)
	2	Ecosystems, food webs, food chains, the water cycle and water treatment. The importance of managing our food and water resources if we are to protect ecosystems and maintain life.
	3	
	4	Outcomes:
	5	SC4-1VA, SC4-2VA, SC4-6WS, SC4-7WS, SC4-9WS, SC4-13ES, SC4-14LW, SC4-15LW
	6	Major Assessment Task:
	7	Written/poster presentation on water sustainability.
	8	
	9	