

WACE Courses (Years 11 and 12)

	Course			
	Biology	Human Biology	Integrated Science	Psychology
Science Enquiry Skills	The collection and analysis of data to provide evidence	Evaluate the impact of advancements in human biology on individuals and society Communicate understandings of human biology	Translate and analyse information to find patterns and draw conclusions	Interpret and evaluate findings in relation to ideas or hypotheses being tested
Science as a Human Endeavour	Explore the use and influence of science in society Assessment of science concepts, models and theories	Understand that knowledge of human biological systems has developed over time and continues to develop with improving technology Understand how scientists use knowledge of human biological systems in a wide range of applications	Understand the evolving nature of science Understand that scientific knowledge can be applied to solve problems	Systematic exploration into the complexities of human behaviour based on evidence gathered
Science Understanding	Use of scientific concepts, models and theories to explain and predict phenomena	Understand structure and function in the body	Understand interactions between components in living and physical systems Understand interactions between energy and matter	Understand factors relating to individuals, such as: cognition, or the way we think; biological bases of behaviour; and personality Understand psychology provides scientific explanations of behaviour with particular principles, procedures and approaches to data
Most relevant yr 11 content	Unit 2: From cells to multicellular organisms	Unit 1: The functioning human body		Unit 1: Biological Influences/Bases of Behaviour (Strong links)
Most relevant Yr 12 content	Unit 4: Surviving in a Changing environment	Unit 3: Homeostatis and Disease	Unit 4: Energy	Unit 3: Biological Influences/Bases of Behaviour (Strong links)

WA Curriculum (Years 5-10)

Years 5 &6	Year 7	Year 8	Year 9	Year 10
Use evidence to explain events and phenomena (ACSHE081, ACSHE098)	Scientific knowledge is refined as new evidence becomes available (ACSHE119)	Cells are the basic units of living things; they have specialised structures and functions (ACSSU149)	Multi-cellular organisms rely on coordinated and interdependent internal systems (ACSSU175)	Scientific understanding is contestable and is refined over time (ACSHE191)
Pose clarifying questions and make predictions about scientific investigations (AC SIS231, AC SIS232)	Science knowledge can develop through collaboration across the disciplines of science (ACSHE223)	Multi-cellular organisms contain systems of organs carrying out specialised functions that enable them to survive and reproduce (ACSSU150)	Energy transfer through different mediums can be explained using wave and particle models (ACSSU182)	Advances in scientific understanding often rely on technological advances and are often linked to scientific discoveries (ACSHE192)
Describe observations, patterns or relationships in data using digital technologies (AC SIS090, AC SIS107)	Solutions to contemporary issues may impact on other areas of society (ACSHE120)	Scientific knowledge is refined as new evidence becomes available (ACSHE134)	Advances in scientific understanding often rely on developments in technology and technological advances are often linked to scientific discoveries (ACSHE158)	People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives (ACSHE194)
		Communicate ideas, findings and evidence using scientific language (AC SIS148)		
	People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity (ACSHE121)	People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity (ACSHE136)	People use scientific knowledge to evaluate whether they accept claims, explanations or predictions, and advances in science can affect people's lives (ACSHE160)	Select and use appropriate equipment, including digital technologies, to collect and record data systematically and accurately (AC SIS200)
	Identify questions and problems that can be investigated scientifically and make predictions based on scientific knowledge (AC SIS124)	Solutions to contemporary issues may impact on other areas of society (ACSHE135)	Select and use appropriate equipment, including digital technologies, to collect and record data systematically and accurately (AC SIS166)	Communicate scientific ideas and information, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations (AC SIS208)
		Describe observations, patterns or relationships in data using digital technologies (AC SIS144)		
	Describe observations, patterns or relationships in data using digital technologies (AC SIS129)	Science knowledge can develop through collaboration across the disciplines of science (ACSHE226)	Use knowledge of scientific concepts to draw conclusions that are consistent with evidence (AC SIS170)	
	Communicate ideas, findings and evidence using scientific language (AC SIS133)	Identify questions and problems that can be investigated scientifically and make predictions based on scientific knowledge (AC SIS139)	Communicate scientific ideas including constructing evidence-based arguments and using appropriate scientific language, conventions and representations (AC SIS174)	