








































Identify curriculum	Achievement standard	This subject combines learning from the Year 9 and 10 Science and Health and Physical Education Achievement Standards. Science: Students explain how body systems provide a coordinated response to stimuli. They construct logical arguments based on analysis of a variety of evidence to support conclusions and evaluate claims. They evaluate the validity and reproducibility of methods, and the validity of conclusions and claims. Students plan and conduct safe, valid and reproducible investigations to test relationships or develop explanatory models.  Health & Physical Education: Students propose and evaluate community-based physical activity interventions designed to improve the health, fitness and wellbeing of themselves and others. They evaluate and refine their own and others’ movement skills and performances, and apply movement concepts in challenging or unfamiliar situations. Students synthesise health information from credible sources to propose and justify strategies to enhance their own and others’ health, safety, relationships and wellbeing.			
Teaching and learning	Semester overview	Semester 1		Semester 2	
		Anatomy and Physiology  Students will develop their understanding of the body’s biological composition. They will learn about the anatomical structures of the body including the musculoskeletal, cardiovascular and nervous systems and how they function together. Students will participate in a range of theory and practical investigations to consolidate their learning.	Principles of Adaptation  Students will learn how the body responds to different stimuli, such as physical training to improve athletic performance. They will learn to manipulate variables to achieve specific results such as improvements in power, speed, strength, muscular endurance, anaerobic and aerobic capacity.	Biomechanics and Injury Prevention  Students will gain understanding of the biomechanics of human movement. They will apply this knowledge to reduce injury risk and improve performance in a range of sports and physical activities. They will analysis their own and other’s movements to develop protocols to improve movement quality.	Factors Affecting Performance  Students will learn about the impact of a broad range of factors on athletic performance, such as nutrition, psychological factors, sleep, technology use, etc. They will participate in a range of theory and practical investigations to analyse the impact of manipulating these factors both positively and negatively.
	General capabilities and Cross curriculum priorities	     	       	     	      
	Key to general capabilities and cross-curriculum priorities	 Literacy  Numeracy  ICT capability  Critical and creative thinking  Ethical behaviour  Personal and social capability  Intercultural understanding  Aboriginal and Torres Strait Islander histories and cultures  Asia and Australia’s engagement with Asia  Sustainability			
Develop assessment	Assessment	Semester 1		Semester 2	
		Week	Assessment instrument	Week	Assessment instrument
		5	Anatomy - Lab Exam (practical)	7	Movement analysis report
		8	Anatomy & Physiology - Theory Exam	15	Factor manipulation investigation
		14-15	Training adaptation investigation		
		17-18	Response to stimuli report		
Make judgments and use feedback	Moderation	Semester 1		Semester 2	
		Teachers moderate assessment tasks to ensure consistency of judgments.			