CABOOLTURE STATE HIGH SCHOOL

Making the difference today ... for tomorrow

YEAR 10 BIOLOGY/ PSYCHOLOGY

INCOMPATIBLE SUBJECTS		DEPENDENT SUBJECTS	
PRE-REQUISITE SUBJECTS		POTENTIAL QCE POINTS	
COURSE DURATION	FULL YEAR	CONTRIBUTES TO ATAR	
FINANCIAL COMMITMENT	REFER TO FEE SCHEDULE	DELIVERY PARTNERSHIP	
COURSE REQUIREMENTS	This subject is a pre-requisite for Year 11 Biology and Psychology. Participation in the STUDENT RESOURCE SCHEME provides students access to microscopes, Science Text (to be advised) and materials for classroom activities and photocopied class notes • Glassware – beakers, test-tubes, stirring rods, measuring cylinders, watch glasses • Bunsen burners, tripods, test racks, metal stands and clamps, spatulas, scalpels • Electrical equipment – power packs, wiring, light boxes, probes, dissecting boards, tweezers • Chemicals – copper sulphate, calcium carbonate, marble chips, hydrochloric acid, vinegar • Metals – aluminium, copper, iron • Geology materials – rock samples (igneous, metamorphic, sedimentary) • Safety equipment – aprons and safety goggles		

COURSE CONTENT

UNIT 1	ASSESSMENT
Biology 1 Students explore the ways biology is used to describe and explain how the structure and function of cells and their components are related to the need to exchange matter and energy with their immediate environment. Students investigate the structure and function of cells and multicellular organisms. They examine the structure and function of plant and animal systems at cell and tissue levels in order to analyse how they facilitate the efficient provision or removal of materials.	Data Test
UNIT 2	**ASSESSMENT**
Biology 2 Students explore the ways biology is used to describe and explain the responses of homeostatic mechanisms to stimuli and the human immune system. Students develop scientific skills and conceptual understanding in homeostasis, the immune system and the relationships between global, community and individual immunity. They examine geographical and population data to analyse strategies that may have personal and communal consequences.	Student Experiment
UNIT 3	**ASSESSMENT**
Psychology 1 In this unit students explore the scientific method as the process for producing contemporary research in psychology. An understanding of the original philosophical debates to inform psychology. Students investigate the structure and function of the human brain and how this affects individual development and behaviour. They examine factors within cognitive development, and explore changes that occur over the lifespan. Lastly, they explore different forms of consciousness and theories for the function of sleep.	Research Investigation
UNIT 4	**ASSESSMENT**
Psychology 2 Students explore the ways Psychology explains the development of individual behaviour. An understanding of theories of intelligence is essential to appreciate the role of nature and nurture in the development of self. They develop scientific skills and conceptual understanding of the role that emotion plays in regulating and directing behaviour, and motivation in directing action.	Exam

CAREER PATHWAYS

A course of study in Biology and Psychology can establish a basis for further education and employment in the fields of science, medicine, psychology and technology.