

BRACKEN RIDGE STATE HIGH SCHOOL

Year 11/12 Biology

TERM ALLOCATION AND LENGTH	UNIT	SUB TOPICS	ASSESSMENT
Term 1: 10 weeks	What is Biology?	<ul style="list-style-type: none"> The science of Biology Experimental design Biometry/statistical analysis Classification Australian animals Evolution 	<ul style="list-style-type: none"> Written task 1: Diversity and the scientific method.
Term 2: 10 weeks	Units of life (cell biology)	<ul style="list-style-type: none"> Microscopy Cell structure and function Biochemistry Energy and cells Cell division 	<ul style="list-style-type: none"> Extended experimental investigation 1 Cell functioning:
Term 3: 10 weeks	A new generation. (reproduction)	<ul style="list-style-type: none"> Asexual and Sexual reproduction Development and behaviour of animals Fertilization and development of plants and animals Contraception and STD's Reproductive technology 	<ul style="list-style-type: none"> Written task 2: Animal and plant reproduction Extended response task 1: Biotechnology
Term 4: 10 weeks	Genetics	<ul style="list-style-type: none"> Inheritance Genetics DNA Sex determination and inheritable diseases 	<ul style="list-style-type: none"> Written task 3: Genetics and molecular biology
Term 5: 10 weeks	Environmental Biology	<ul style="list-style-type: none"> Moreton Island Camp Ecosystems Distribution and abundance Food webs and energy flow Interactions in ecosystems 	<ul style="list-style-type: none"> Written task 4: Camp ecology
Term 6: 10 weeks	Functioning of the internal environment	<ul style="list-style-type: none"> Digestive system Circulatory system Respiratory system Excretory system Comparison to plant Physiology In class dissections 	<ul style="list-style-type: none"> ERT 2 keeping a balance EEL 2: Keeping a balance
Term 7: 10 weeks	Coordination and control	<ul style="list-style-type: none"> Plant Balances Nervous system Endocrine system Homeostasis QUT Human Dissection 	<ul style="list-style-type: none"> Written task 5: keeping a balance
Term 8: 10 weeks	Disease	<ul style="list-style-type: none"> Pathogens and Parasites Immune system 	<ul style="list-style-type: none"> Written task 6: Disease