

Learning and Assessment Overview



MALANDA
STATE HIGH SCHOOL

Year 9

Science Extension

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Term 1	Biological Sciences	Week 1- Week 10	<p>This unit will cover the following:</p> <ul style="list-style-type: none"> • Organisation of living things- organelles, cells, tissues, organs, organ systems and organisms • Multi-cellular organisms contain systems of organs carrying out specialised functions that enable them to survive and reproduce <ul style="list-style-type: none"> ○ identifying the organs and overall function of a system of a multicellular organism in supporting the life processes ○ describing the structure of each organ in a system and relating its function to the overall function of the system ○ examining the specialised cells and tissues involved in structure and function of particular organs ○ comparing similar systems in different organisms • Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment <ul style="list-style-type: none"> ○ describing how the requirements for life (for example oxygen, nutrients, water and removal of waste) are provided through the coordinated function of body systems ○ explaining how body systems work together to maintain a functioning body • Scientific Inquiry skills 	Portfolio of Work & Examination	Weekly Check of Portfolio	Week 9 Wednesday 19/03/24
	Physical and Chemical Sciences	Week 1 – Week 10	<p>This unit will cover the following:</p> <ul style="list-style-type: none"> • Scientific Inquiry skills • investigating factors that affect the transfer of energy through an electric circuit • using electrical circuits and components to demonstrate electrical energy transfer and its transformation into light, heat and sound • examine how the particle model of electricity explains static electricity and electrical current and relating this to voltage, conductors and insulators <ul style="list-style-type: none"> ○ The structure of the atom ○ conductors and insulators ○ Static Electricity, current and magnetic fields ○ Parallel and series circuits ○ Applications of electricity 	Portfolio of Work- Laboratory Reports	Weekly Check of Portfolio	Week 9 Wednesday 11/06/24

