

# Learning and Assessment Overview



**MALANDA**  
STATE HIGH SCHOOL

Year 9

Science Extension

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Term 3	Biological Sciences	Week 1- Week 10	<p>This unit will cover the following:</p> <ul style="list-style-type: none"> <li>• Organisation of living things- organelles, cells, tissues, organs, organ systems and organisms</li> <li>• Multi-cellular organisms contain systems of organs carrying out specialised functions that enable them to survive and reproduce                             <ul style="list-style-type: none"> <li>○ identifying the organs and overall function of a system of a multicellular organism in supporting the life processes</li> <li>○ describing the structure of each organ in a system and relating its function to the overall function of the system</li> <li>○ examining the specialised cells and tissues involved in structure and function of particular organs</li> <li>○ comparing similar systems in different organisms</li> </ul> </li> <li>• Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes to their environment                             <ul style="list-style-type: none"> <li>○ describing how the requirements for life (for example oxygen, nutrients, water and removal of waste) are provided through the coordinated function of body systems</li> <li>○ explaining how body systems work together to maintain a functioning body</li> </ul> </li> <li>• Scientific Inquiry skills</li> </ul>	Portfolio of Work & Examination	Weekly Check of Portfolio	Week 9 Tuesday 3/09/24
	Physical and Chemical Sciences	Week 1 – Week 10	<p>This unit will cover the following:</p> <ul style="list-style-type: none"> <li>• Scientific Inquiry skills</li> <li>• investigating factors that affect the transfer of energy through an electric circuit</li> <li>• using electrical circuits and components to demonstrate electrical energy transfer and its transformation into light, heat and sound</li> <li>• 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"> <li>○ The structure of the atom</li> <li>○ conductors and insulators</li> <li>○ Static Electricity, current and magnetic fields</li> <li>○ Parallel and series circuits</li> <li>○ Applications of electricity</li> </ul> </li> </ul>	Portfolio of Work- Laboratory Reports	Weekly Check of Portfolio	Week 9 Tuesday 26/11/24

