Learning and Assessment Overview 2024

MALANDA STATE HIGH SCHOOL

Year 8 **Science**

	Unit	Length	Topic	Assessment	Checkpoints	Due Date
Term 1	Geology	8 Weeks	Students investigate tectonic activity including the formation of geological features at divergent, convergent and transform plate boundaries and describe the scientific evidence for the theory of plate tectonics. They describe the key processes of the rock cycle, including the timescales over which they occur, and examine how the properties of sedimentary, igneous and metamorphic rocks reflect their formation and influence their use.	Examination		8B/C/D/E 12/03/24 8A 13/03/24
	Unit	**Length**	**Topic**	**Assessment**	**Checkpoints**	**Due Date**
Term 2	Biology	12 Weeks	Students recognise cells as the basic units of living things, compare plant and animal cells, and describe the functions of specialised cell structures and organelles. They analyse the relationship between structure and function of cells, tissues and organs in a plant and an animal organ system and explain how these systems enable survival of the individual.	Examination Research Investigation	 8B/C/D/E 28/05/24 8A 29/05/24	8B/C/D/E 14/05/24 8A 15/05/24 8B/C/D/E 11/06/24 8A 10/06/24
	Unit	**Length**	**Topic**	**Assessment**	**Checkpoints**	**Due Date**
Term 3	Chemistry	10 Weeks	Students classify matter as elements, compounds or mixtures and compare different representations of these, including models, symbols for elements and formulas for molecules and compounds. They identify a chemical reaction and distinguish between a physical and chemical change.	Examination		8B/C/D/E 27/08/24 8A 28/08/24
	Unit	**Length**	**Topics**	**Assessment**	**Checkpoints**	**Due Date**
Term 4	Physics	9 Weeks	Students classify different types of energy as kinetic or potential and investigate energy transfer and transformations in simple systems. They plan and conduct safe, reproducible investigations to test the effects of different insulators on the transfer of heat energy.	Student Experiment	8B/C/D/E 05/11/24 8A 06/11/24	8B/C/D/E 19/11/24 8A 20/11/24