

Learning and Assessment Overview 2024



MALANDA STATE HIGH SCHOOL

Year 10

Science

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Issue Date	Due Date
Term 1	Earth Science	8 Weeks	Students use models of energy flow between the geosphere, biosphere, hydrosphere and atmosphere to explain patterns of global climate change. The investigate cause and effect of climate change on ecosystems around the world.	Research Investigation	Week 4 14.02.24	Draft Week 6 28.02.24 Final Week 8 13.03.24
	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Exam Date	
Term 2	Biology	12 weeks	Students explain the role of meiosis and mitosis and the function of chromosomes, DNA and genes in heredity and predict patterns of Mendelian inheritance. They use the theory of evolution by natural selection to explain past and present diversity and analyse the scientific evidence supporting the theory.	Examination		05.06.24
	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Issue Date	Due Date
Term 3	Chemistry	10 weeks	Students explain how the structure and properties of atoms relate to the organisation of the elements in the periodic table. They identify patterns in synthesis, decomposition and displacement reactions and investigate the factors that affect reaction rates.	Student Experiment	Week 4 31.07.24	Draft Week 6 14.08.24 Final Week 8 28.08.24
	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Exam Date	
Term 4	Physics	8 weeks	Students investigate Newton's laws of motion and quantitatively analyse the relationship between force, mass and acceleration of objects.	Examination		06.11.24