

Environmental Science	Criteria 2	Criteria 6
	Develop, interpret and analyse experiments and investigations.	Apply concepts and processes of ecosystem change.
	Criteria 4	Criteria 7
	Analyse the application and impact of environmental science in society.	Apply concepts relating to human dependence and impact on ecosystems.
	Criteria 5	Criteria 8
	Apply ecological concepts and processes.	Apply principles and processes related to ecologically sustainable management of the environment.

Geography	Unit 2
	Human Impact on Land Cover Change
	The processes – nature, rate, extent, causes, impacts and consequences - of direct human actions resulting in land cover change. Investigate how land cover change due to human activity is being addressed and evaluated.



Data Collection - Forest Ecology
Using scientific field techniques, collect data to determine the key biotic and abiotic features of Tasmanian forest types.



Land Use and Human Activity
Explore the key features of land cover change and understand the impact of human interactions on natural values. Investigate the provision of ecosystem services in natural and modified landscapes.

Agricultural Systems	Unit 2 Ecosystems	Unit 3 Plant Production System
	Soil, nutrients and water.	Plant production systems.
	Factors contributing to the degradation of soil and water.	Constraints on plant production.
	Sustainable resource management.	Managing plant production.
Agriculture Enterprise	Unit 1 Managed and Natural Systems	Unit 2 Plant Production Systems
	Basic Anatomy and Morphology.	Management and Genetics in Plant Production.
	Natural Systems.	Plants, climate and resource interaction.



Trees on Farms
Explore the different ways trees are used on farms to improve the overall productivity, and the impact they can have on a local and global scale. Use aerial imagery to identify the spacial distribution of trees in the agricultural landscape.

Shelterbelt Design
Assess where trees are grown and their purposes. Design and plan for the integration of trees on a farm site.

