

Level 9 & 10 Curriculum links

Sustainability and Food Production



Victorian Curriculum, Levels 9 and 10

Key learning outcomes of The Sustainability and Food Production program include:

Science

Earth and space sciences

Global systems, including the carbon cycle, rely on interactions involving the atmosphere, biosphere, hydrosphere and lithosphere (VCSSU128)

Questioning and predicting

Formulate questions or hypotheses that can be investigated scientifically, including identification of independent, dependent and controlled variables (VCSIS134)

Planning and conducting

Independently plan, select and use appropriate investigation types, including fieldwork and laboratory experimentation, to collect reliable data, assess risk and address ethical issues associated with these investigation types (VCSIS135)

Select and use appropriate equipment and technologies to systematically collect and record accurate and reliable data, and use repeat trials to improve accuracy, precision and reliability (VCSIS136)

Analysing and evaluating

Analyse patterns and trends in data, including describing relationships between variables, identifying inconsistencies in data and sources of uncertainty, and drawing conclusions that are consistent with evidence (VCSIS138)

Use knowledge of scientific concepts to evaluate investigation conclusions, including assessing the approaches used to solve problems, critically analysing the validity of information obtained from primary and secondary sources, suggesting possible alternative explanations and describing specific ways to improve the quality of data (VCSIS139)

Geography

Biomes and food security

Distribution and characteristics of biomes as regions with distinctive climates, soils, vegetation and productivity (VCGGK133)

Environmental, economic and technological factors that influence crop yields in Australia and across the world (VCGGK134)

The interconnection between food production and land and water degradation; shortage of fresh water; competing land uses; and climate change, for Australia and other areas of the world (VCGGK135)

Human alteration of biomes to produce food, industrial materials and fibres, and the environmental effects of these alterations (VCGGK136)



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Design and Technology

Food and fibre production


Investigate and make judgements on the ethical and sustainable production and marketing of food and fibre (VCDSTC057)

The program is complex and dynamic, learning outcomes are not limited to those identified above. For further information regarding the curriculum links or if your school has a particular focus, please call Myuna Farm to discuss further with our education team (Ph 9706 9944).



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