

Curricular Links at a glance

The activities covered in the unit have been mapped to the Grade 5 Australian Curriculum and, in the most part, concurrently meet the sustainability cross curriculum priority. Extension activities are also included where teachers want to go beyond the 6-lesson unit. Each lesson or extension activity has corresponding Australian Curriculum code reference numbers.

Learning Area in the Australian Curriculum (as at April 2021)			Lesson # and Extension #
Design and Technologies			
Knowledge and Understanding	Examine how people in design and technology occupations address competing considerations, including sustainability in the design of products, services, and environments for current and future use (ACTDEK019)		Lesson 3-Ext 2
	Investigate how and why food and fibre are produced in managed environments and prepared to enable people to grow and be healthy (ACTDEK021)		Lessons 1,2 Lesson 6-Ext 1
Design and Technologies Processes and Production Skills	Critique needs or opportunities for designing, and investigate materials, components, tools, equipment and processes to achieve intended designed solutions (ACTDEP024)		Lesson 6-Ext 1
	Generate, develop and communicate design ideas and processes for audiences using appropriate technical terms and graphical representation techniques (ACTDEP025)		Lesson 6-Ext 1
	Select appropriate materials, components, tools, equipment and techniques and apply safe procedures to make designed solutions (ACTDEP026)		Lesson 6-Ext 1
	Negotiate criteria for success that include sustainability to evaluate design ideas, processes and solutions (ACTDEP027)		Lesson 6-Ext 1
Health and Physical Activity			
Movement and Physical Activity	Learning through movement	Participate positively in groups and teams by encouraging others and negotiating roles and responsibilities (ACPMPO67)	Lesson 2
The Arts			
Visual Arts	Develop and apply techniques and processes when making their artworks (ACAVAMI 15)		Lesson 5
Maths			
Number and Algebra	Number and Place Value	Identify and describe factors and multiples of whole numbers and use them to solve problems (ACMNA098)	Lessons 2,3
Statistics and Probability	Data Representation and Interpretation	Pose questions and collect categorical or numerical data by observation or survey (ACSMPI 18)	Lesson 3
		Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies (ACSMPI 19)	Lesson 3

Learning Area in the Australian Curriculum (as at April 2021)

**Lesson # and
Extension #**

HASS

Knowledge and Understanding	Economics and Business	Types of resources (natural, human, capital) and the ways societies use them to satisfy the needs and wants of present and future generations (ACHASSK120)	Lessons 1,2,4,5
		Influences on consumer choices and methods that can be used to help make informed personal consumer and financial choices (ACHASSK121)	Lesson 1,2,4,5 Lesson 3-Ext 1

English

Literacy	Creating Texts	Plan, draft and publish imaginative, informative and persuasive print and multimodal texts, choosing text structures, language features, images and sound appropriate to purpose and audience (ACELY 1704)	Lesson 3-Ext 2 Lesson 5-Ext 1
----------	----------------	--	----------------------------------

Science

Science Understanding	Biological Sciences	Living things have structural features and adaptations that help them to survive in their environments (ACSSU043)	Lesson 3-Ext 2 Lesson 6 Lesson 6-Ext 1
	Chemical Sciences	Solids, liquids and gases have observable properties and behave in different ways (ACSSU077)	Lesson 6
Science as a Human Endeavour	Use and Influence of Science	Scientific knowledge is used to solve problems and inform personal and community decisions (ACSHE083)	Lesson 1 Lesson 3-Ext 2 Lesson 6
Science Inquiry Skills	Questioning and Predicting	With guidance, pose clarifying questions and make predictions about scientific investigations (AC SIS231)	Lesson 6
		Decide variables to be changed and measured in fair tests, and observe measure and record data with accuracy using digital technologies as appropriate (AC SIS087)	Lesson 6

Sustainability

Systems	The biosphere is a dynamic system providing conditions that sustain life on Earth (OI.1)	Lessons 1,2 Lesson 3-Ext 2
	All life forms, including human life, are connected through ecosystems on which they depend for their wellbeing and survival (OI.2)	Lessons 1,2,3 Lesson 3-Ext 2
	Sustainable patterns of living rely on the interdependence of healthy social, economic and ecological systems (OI.3)	Lessons 1,2,3 Lesson 3-Ext 2
World Views	World views that recognise the dependence of living things on healthy ecosystems, and value diversity and social justice are essential for achieving sustainability (OI.4)	Lessons 1,2,3 Lesson 3-Ext 2
	World views are formed by experiences at personal, local, national and global levels, and are linked to individual and community actions for sustainability (OI.5)	Lessons 1,2,3,4,5,6 Lesson 3-Ext 1 Lesson 3-Ext 2 Lesson 5-Ext 1 Lesson 6-Ext 1

Learning Area in the Australian Curriculum (as at April 2021)		Lesson # and Extension #
Futures	The sustainability of ecological, social and economic systems is achieved through informed individual and community action that values local and global equity and fairness across generations into the future (OI.6)	Lessons 1,2,3,4,5,6 Lesson 3-Ext 1 Lesson 3-Ext 2 Lesson 5-Ext 1 Lesson 6-Ext 1
	Actions for a more sustainable future reflect values of care, respect and responsibility, and require us to explore and understand environments (OI.7)	Lessons 1,2,3,4,5,6 Lesson 3-Ext 1 Lesson 3-Ext 2 Lesson 5-Ext 1 Lesson 6-Ext 1
	Designing action for sustainability requires an evaluation of past practices, the assessment of scientific and technological developments, and balanced judgments based on projected future economic, social and environmental impacts (OI.8)	Lessons 1,2,3,4,5,6 Lesson 3-Ext 1 Lesson 3-Ext 2 Lesson 5-Ext 1 Lesson 6-Ext 1
	Sustainable futures result from actions designed to preserve and/or restore the quality and uniqueness of environments (OI.9)	Lessons 1,2,3,4,5,6 Lesson 3-Ext 1 Lesson 3-Ext 2 Lesson 5-Ext 1