

Year	Unit Title	Unit Sequence Title	Learning Intentions	Kit Titles	Comments
R	It's a Feature	 Animals and their external features You belong with_ My own creation 	 Recognise external features of animals. (Pages 17 and 18) Understand how we can use our knowledge of external features to group animals. Page 22 Apply their understanding of external features to design a unique animal. Page 29 	 Animal Coverings, Kits 1 and 2 Camouflage Insects, Kits 1 to 4 Jewels of the Sea (Puppets) Mini Beasts, Kits 1 to 4 Reptiles 1 and Reptiles 2 Skeletons Skulls, Kits 1 and 2 Spiders and other Mini Beasts 	Page 2 – play based learning. Page 4 Science Understanding notes has elaborations. Page 17 – links with Resource 9 – Creatures and their Features: use animal specimens instead of posters. Page 21 – the Simon Says activity. Page 22: Animal Charades Page 23: Form a Group activities Page 26: Memory Game of animal features Page 29: My own Creation Page 30: Checking this out – students can sort out real animal specimens
		Plants and other external features	 Recognise that plants have a variety of external features. 	• Weather Kit – Folder 1	



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1	Who needs that?	 What do I need? Staying alive The basic needs of animals. Domestic versus wild animals. Getting creative 	 Page 9 Understand the basic needs of animals and identify these as the same as basic needs of humans. Page 11 Identify and compare the basic needs of domestic animals and animals in wild environments. Page 14 Understand the basic needs of plants. Page 17 	 Arid Lands Animal Homes Beach Combing Kits 1,2 3,6 Birds and Nests Bush Treasures Bush Treasures Activity Camouflage Coral Reef Jewels of the Sea Rainforest Reef and Rockpool Rivers Sharks and Rays Wetlands Whale kit and Baleen 	Page 4: Identify the basic needs of plants and animals including air, water, food or shelter: Looking after animals in the classroom, e.g. Stick insects, lizards, etc. Page 11: Slides 4 – Animal needs and Resource 4 – This animal needs: can use real animals or preserved animals. Page 13: Animal Shelters Page 16: Resource 6 – Keeping our pet healthy. Page 27: resource 13 – Living things.
	Daily and Seasonal Changes	What do we know about weather?Elements of weather	 Students use their senses to make observations about the weather. Page 9 	• Weather	Page 9: Use your Sense – Cloud Observations The Kit has a range of posters and activities, including Indigenous Weather Knowledge

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2	Our Place in	 Day and night, patterns 	 Students will explore and understand how 	• Weather – the Blue folder	•
	space	of phenomena in the	Aboriginal Peoples and Torres Strait	 Space Kit – folders on 	
		sky.	Islander Peoples explain the cycles of the	Aboriginal Astronomy,	
			Sun and its appearance during the day.	Ngadjuri Skies, Kaurna	
			Page 22	Night Skies	
		 Changing position of the 	 Moon and stars in the sky. Page 25 		
		Moon and stars.	 Students will recognise and understand 		
		 The Solar System. 	Earth is one of 8 planets in the solar		
			system and know the 8 planets orbit		
			around the Sun. Page 30		



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3	Is it alive?	 What do living things need? Move along. Growing, Growing, Grown. Investigating seed growth 	 Students will review and clarify their understanding that living things have basic needs, including nutrients and air to breathe. Page 11 Students will know and understand that living things move. Page 13 Students will understand that all living things grow and reproduce. Page 17 	 Animal Coverings, Kits 1 and 2 Animal homes Eggs Feathers Feet and Tracks Insects, Kits 1 to 4 Jewels of the Sea (Puppets) Mini Beasts, Kits 1 to 4 Reptiles 1 and Reptiles 2 Sharks and Rays Skeletons Skulls, Kits 1 and 2 Spiders and other Mini Beasts Life Cycles Silkworms 	Page 11 – Use an animal in addition to Slides 2 – Rex needs" Page 14: Resource 3 -How do animals move? Page 18: Plants produce seeds and animals produce live young or lay eggs – examples.
	Day and night, night and day	• Summing up	• Students will demonstrate their knowledge and understanding of the features of the Sun and Earth, the cause of day and night, and the formation of shadows. Page 23	• Weather Folder 4 in this kit is devoted to Indigenous Weather Knowledge	The kit mentioned covers several areas.



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4	Follow that food!	 Consumers – carnivores, herbivores, omnivores Food chains Predator or prey First Nations peoples use of native foods Invasive species 	 Students will understand that consumers can be categorised as herbivores, carnivores, or omnivores. Page 16 Students will understand that feeding relationships between living things can be represented using food chains. Page 19 Students will understand the relationship between predator and prey. Page 22 Students will investigate how native foods are used by First Nations peoples. Page 24 Students will know and understand what an invasive species is. Page 31, 32 	 Wetlands Kit, used in conjunction with live animals can look at the feeding relationships between the animal and its food sources. Aboriginal Kit 1 – Top End, and Aboriginal Kit 3 Southern have native seeds and other foods. Birds of Prey, Kits 1 and 2 Feral Animals Endangered Species Mini Beasts, kits 1 – 4 Spiders and other Mini Beasts 	Resource 12 – Invasive species profile, page 32
	What on Earth?	 Do rocks stay the same? Sediment and soil. 	 Students will understand that the weathering of rocks involves the breakdown of rocks in situ, leading to a change in the Earth's surface. Page 9 Students will understand the relationship between sediment size and deposition. Page 26 	• Weather Kit, Folder 1	
		• Fire on the landscape.	 Students will understand how Aboriginal people use fire to change and maintain the landscape. Page 28 		



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5	Adaptations to survive. Units 5 and 6	 Adaptations What makes me a fish or a bird? Structural adaptations Aboriginal People's knowledge of adaptations. Extreme environments. Adaptations for Australian environments. Adaptation and climate change. 	 Students will establish an understanding of the function of adaptations, both plant and animals. Page 7 Students will identify the body parts of fish and birds and understand how these structural features help the animals survive in its environment. Page 8 Students will identify and understand how different structural adaptations help animals survive in their environment. Page 10 Students will investigate Aboriginal People's knowledge of the adaptations of certain species and how those adaptations can be exploited for other purposes. Page 13 Students will explore and understand that adaptations help animals survive in adaptations for other purposes. Page 13 Students will investigate and understand that adaptations help animals survive in extreme environments. Page 16 Students will investigate and understand various adaptations of species surviving in Australian environments. Page 18 	 Animal Coverings Animal Coverings Kit 2 Birds activity 1 Birds Activity 2 Birds and Beaks Birds – Grasslands and Open Forests Birds – Parrots Birds of Prey 1 Birds of Prey 2 Bites and Stings Camouflage Feathers Flight Habitat Mammals – Australian Mini Beasts, Kits 1 to 4 Polar/Antarctic and petrel skeleton Spiders and other Mini Beasts 	Page 8: Activity on Birds with different beaks and Fish – different swimming styles. Build-A-Fish activity – reef fish



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6	Life's needy	Let's explore! Ferals	 Students will conduct an environmental survey of a local area and understand how the features of the environment support plant and animal growth. Page 6 Students will explore and understand the impact that introduced species have on Australian native species. Page 14 	 Ferals Endangered Species 	•
	Don't Panic	Tell me about earthquakes. Are we related?	 Students understand earthquakes are caused by sudden geological changes in the Earth's surface and can describe the similarities and differences between various scales used to measure earthquake strength. Page 12 Students will investigate and understand 	 Volcanoes, Earthquakes and Moving Continents 	•
			the cause of volcanic eruptions and tsunamis. Page 15		



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7	Classification	Introduction to	• Students learn how to sort, organise, and order to	Animal Phyla/Evolution
	of living	classification.	form patterns of living things. Page 8	Classification Kit 1
	things	 Classification of 	 Students learn how Aboriginal Peoples classify living 	Classification 2
		organisms using	things based on context and usage. Page 12	Classification 3
		Aboriginal knowledges	• Students learn the pattern of science vocabulary and	 Classification Kits 4 and 5 – includes
		 Making meaning of 	to support naming species using binomial	invertebrates.
		scientific language.	nomenclature. Page 14	 Birds Activities Kit 1 – uses birds names.
		 Creating dichotomous 	 Students learn the conventions for constructing a 	 Bird Kit 1 – variety of birds with their names
		keys.	dichotomous key and modifying when a new	 Habitat – preserved items
			organism is discovered. Page 16	 Insect Kits 1, 2, 3 and 4
		 Using dichotomous keys. 	 Students interpret a dichotomous key to draw an 	 Mini Beasts Kits 1, 2, and 4
			organism Page 18	 Mini Beasts 3 – uses phyla and order
		 Classification of animal 	 Students learn how to classify vertebrates on a field 	classifications.
		phylum vertebrates.	trip And design an enclosure for an animal. Page	 Shells Kit 1 – very detailed
		 Classification of animal 	19	 Southern Australian Shells
		phyla invertebrates.	 Students learn to classify invertebrates. Page 20 	
	Food chains	 Introduction to 	 Students are able to identify living things and 	Habitats
	and food	relationships between	propose relationships within a local habitat. Page 9	Any of the kits below can be used to show
	webs	living things		ecological relationships and the organism
		Food chains and food	• Students explore food chains and food webs to	therein can be used to construct food webs
		webs show feeding	represent feeding relationships in a food web. Page	and food chains.
		relationships.	18	• Arid lands
		 Flow of energy and 	• Students explore food chains and food webs to show	Rainforest Kit
		matter.	how energy and mass flow through an environment.	Reef and Rockpool Kit
		Frank shares the	Page 19	• Wetlands Kit
		• Food webs show the	Students explore interconnections between living things Dept. 20	Mangroves Kit
		interconnectedness	things. Page 20	
		between living things in		
		a habitat.	e Studente will learn about invesive anapies and	
		 Invasive species and biological control 	• Students will learn about invasive species and	
		biological control.	explore the use of biological controls. Pahe 23	



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8	Multicellular organism - systems	 Exploring and explaining why cells specialise. Plant cell growth Investigating body systems 	 Students learn how cells specialise to undertake different roles in the organism and the grouping of cells to form tissues, organs and systems. Page 7 Students explore plant growth and plant systems. Page 10 Students learn that cells, tissues, and organs make up the various human body systems. Page 14 	 Human organs We have prepared slides of plant tissue for viewing under microscopes. 	
	Rocks	 Introduction to rock classification Minerals and Mining Earth's structure Igneous rocks Sedimentary rocks Fossils Metamorphic Rocks Rock cycle 	 Students explore grouping of rocks and start to consider how rock properties relate to their usage. Page 7 What is the difference between a rock and a mineral? Why are minerals important resources? Page 10 Students will be able to understand the Earth – molten layers. Page 13 What is an igneous rock, how and where do they for? How are they classified? Page 15 How are sedimentary rocks formed via weathering, erosion and deposition? How are they classified? Page 16 What are fossils and how can they tell us about the past? Page 18 What are metamorphic rocks and how do they form? Page 21 Rocks are not new but are recycled. Page 22 	 Living with Minerals – includes a mining activity Mineral Identification Living with Minerals Rocking Fun Rocks and Minerals, Kits 1 to 5 Crystals, Cleavages and Classification Introduction to Geology 1 and 2 Rock Activities Igneous Rock collections Sedimentary Rock collections Metamorphic rock collections Fossils and Evolution 1 and 2 Fossils and Evolution 3 and 4 Evolution from fossils/Fossils through the ages Fossils and Evolution 5 and 6 Australian Dinosaurs 	NEC Resources can be used with Resources 6, 13, 16 and 23 from this unit.