

Trail 1 – Do all together		
Session focus Session	Whole class focus	Activities
Blue tongue Lizard Post	Components of an ecosystems Types of ecosystems – Grassy Woodland	Other local ecosystems Types of trees Blue tongue defence mechanism –Other defence mechanisms
Eastern Rosella	Predators Animal homes – habitat – birds building nests – birds flicking & scatching Possum build their nest Marlarks use mud Tree hollows – nest boxes	Build a nest Habitat spotting – binoculars Nest box monitoring. (science) Recycling for next box materials Leaf litter art Building nest boxes?
Painted Lady Butterfly	Butterfly poems Butterfly life cycle	Write a poem Find the Bursaria Draw a butterfly life cycle – eggs in summer, caterpillar in winter, cocoon autumn, butterfly in spring Bug hunt Animal life cycles – butterflies, frogs Seasons Growing butterfly gardens!!!! Pollination of plants.
Blackwood post – did u know the energy	People living close to bush – people use things from nature – use tress, water, energy, plastic bag use in Australia (round the world x 37) Living, sustainably – reduce – reuse – recycle 2/3 of rubbish is food scraps - compost	Reduce, Reuse, recycle CarbonKids program?? Start a school veggie patch. Where does food come from? Food miles & sustainable food choices
Bush Rat post	Build nests – in the ground Predators of the bush rat Nocturnal bush rats – what other animals – possums, bats, owls	Food Chains – who eats who? Nocturnal and diurnal animals. Big eyes and big ears – adjusting to night life. Diggers – adaptations to underground life. Ant farm?
Austral Indigo	Timelines – 100's of millions of years ago Earths crust, volcanoes spewed out lava – formed volcanic rock – granite – second hardest rock on the planet Creek bank – revegetation – plants keep creek healthy	Geology. Healthy stormwater (waterwatch?) Reveg works
Golden Whistler	Indigenous Australians – Bunnerong tribe Lived sustainably – people listened to nature Everyone's responsibility to take care of land Touch & smell – listen to nature	Indigenous heritage Aboriginal art Bunjil and Waan Creation story Social acceptance Sustainability

Trail 2 – Individual Posts with accompanying activities

<p>Blue tongue Lizard Post</p>	<p>Ecosystems – soil, rocks, birds, rain, plants, sun, wind Somethings are living – Biotic – list whats alive</p> <p>Characteristics of living things – grow, reproduce, breath</p> <p>How do plants breathe?</p> <p>Somethings are not living – abiotic – rocks, logs Things in ecosystems rely on other things in ecosystems – Barry the Blue Tongue – needs air, food, rocks Food Chain – snails – lizard – owls – breakdown into compost</p> <p>How does a tree or caterpillar fit into an ecosystem? Binoculars</p>	<p>Scavenger hunt on living and nonliving things</p> <p>Look for connections – ecosystems –</p> <p>Chose an item and investigate all the things it depends on or things that use it</p>
<p>Eastern Rosella</p>	<p>All living & nonliving things rely on each other. Sometimes things rely on other things a lot more</p> <p>Mary the mistletoe bird – only eats mistle toe berries – does sticky seedy bird poo – Mary has to wipe her birdy bottom on a branch</p> <p>Somethings need each other to survive</p> <p>Koala – gum leaves Butterflies – native flowers</p> <p>Weeds – are yummy or the right shape for butterflys to Plant indigenous Trees get hollows as they get older and provide nests Can you see a tree hollow? Can you see materials to make a snug bed for animals? Nest boxes</p>	<p>Build nest boxes</p> <p>Scavenger hunt for feathers and materials to make a nest</p> <p>Observations – look for the interactions between plants and animals, insects too,</p>
<p>Painted Lady Butterfly</p>	<p>Life cycles, seasons & structural adaptations Groups of animals – insects – characteristics of insects – insects can carry 50x there body weight- insects have exoskeletons – insects breathe through opening in there exoskeletons – insect life cycles – different to human life cycles –</p>	<p>Classification</p> <p>Life cycles – butterfly – link seasons to lifecycles -</p>

	<p>Metamorphosis – insect life cycle – butterfly cycle</p> <p>Spring – Summer – Autumn – Winter</p>	<p>Seasons – whats happening in the seasons in the bush</p> <p>Features of insects – metamorphosis, proboscis, taste with their feat</p> <p>Find interesting features about an insect or animal of your choice</p>
<p>Blackwood post</p>	<p>Blackwoods – important plant – identify – nectar for cordial – wood – boomerangs, shields & clapping sticks – wood to burn</p> <p>Wood- fire – creates energy – like puffing billy, burning coal to create electricity</p> <p>What things do we use to create electricity?</p> <p>What happens to wood when its burnt – we cant reuse the wood therefore its non renewable energy</p> <p>Sun,wind give us energy that never runs out</p> <p>Use your energy – jump – run – movement energy</p> <p>Nonrenewable energy sources</p> <p>Imagine life without energy</p> <p>Lots of ways to help save energy – reduce, reuse, recycle</p>	<p>What can we recycle?</p> <p>Energy audit</p>
<p>Austral Indigo</p>	<p>Find a big rock</p> <p>A granite rock – the key to unlock the secrets beneath your feet</p> <p>Geology – what do we actually know about our planet, what is it made of? How come it has mountains and gullies</p> <p>Imagine a hard boiled egg –</p> <p>The crust, plates, lava, liquid rocks</p> <p>Geological time – granite rock is millions of years old</p> <p>Look at the rock – minerals and specks</p>	
<p>Golden Whistler</p>	<p>Science – people have contributed to science – inventing wheel, planes, cures, dinosaurs</p> <p>Science is everyway – so many famous scientist – Einstein, Galileo – telescopes – DaVinci – human body, Charles Darwin – Jane Goodal</p> <p>Do you want to be a scientist?</p> <p>Learning by observing – look at sky – ask question – look at ground – what can we see – what’s dirt made up of – how do ants talk to each other</p> <p>Whats a tree made of – wood – wood has natural properties – what things are made of</p>	<p>Questions – search for answers</p> <p>Come up with science questions?</p> <p>Come up with questions</p>