

Ideas for integrating Biodiversity into the Curriculum using Domains and Learning Focus Levels

		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Physical, Personal and Social Learning	Health and Physical Education	Participating in outdoor adventure/recreational activities to re-engage with nature; Improving physical health and well being; Finding peace and tranquillity in nature; Understanding importance of healthy environment for healthy people; Diversity of food and importance to health; Importance of maintaining plant diversity for possible cures for disease.					
	Interpersonal Development	Working and learning in teams; Peer leaders working with younger students to maintain gardens/systems; Learning to demonstrate respect for others given diversity of individuals in local and global context; Understanding BD problems globally- diff cultural beliefs/values; International case studies; Consequences of our actions on BD; Social responsibility to look after environment.					
	Personal Learning	Setting goals and managing resources; Recognising and enacting appropriate values within and beyond personal context; Think Globally, Act Locally, Respond Personally; How can students positively contribute to a better natural env?; Use different contexts for learning eg in bush, at CERES; Guest speakers on env topics;					
	Civics and Citizenship	Responsibility/rights in nature. National tree planting day	Tree planting day on school grounds/local area Waterwise gardens.	Propagation of indigenous plants and reveg a local waterway.	Sponsor an endangered animal - research a global issue	Environmental protection laws. Understanding the local environment	Deforestation issues in Australia and across the world.
Discipline-Based Learning	The Arts	Sketch auditing of school physical env- plants, animals	Creating an art piece using natural substances eg bark, leaves	Play making - on an endangered species of Australia.	Analysis of Australian artwork & links to Australian bush scenes.	Interpretive movement piece based on future env scenarios	Make image/film based upon contemporary social justice/env issues
	English	Exposure to big books with physical environment settings	Creative story about a forest animal	Local NP excursion- write text for informative poster & present.	Conduct interviews with local community- flora/ fauna species of area	Writing letter to newspaper/politician about env issues.	Debate/argumentative essay on environmental issues
	Humanities	*Improve the environment by planting a tree. * Native plants and animals. *Growing, planting and caring for native grasses and plants.	*Mapping resources	*BD loss timeline			
	Economics		*Cultural variation in resource management eg fire & forests in Australia.	*Land use and management	Our effect on the natural environment - Ecofootprinting	2030 trail and futurescaping	Neutral Carbon operations / Triple Bottom Line reports
	Geography		*My family- childhood and frogs	*National Parks of Australia	Water cycle and drought. How do our animals survive?	Traditional vs modern farming practices	Global warming/ deforestation, species loss
	History			*Settlement	Changes in attitudes to environment over time	Box and Iron Bark forest of Victoria. Traditional use vs today	Changes in species numbers due to human influence
	Languages Other Than English	LOTE Songs/dance with enviro ed'n focus	Growing plants from seed which are eaten in LOTE country	Object tags, games	LOTE country endangered species	Mapping of endangered species	Different cultural approaches to micro-economics/farming
	Mathematics	Bird monitoring	Bird mapping	Auditing: biodiversity levels in school grounds and on local waterway.		Social enterprise. Grow and plant seedlings in community for env gain.	Work with local authorities to run a propagation enterprise.
	Science	Seasons- plant and animal changes	Mini beast audits	Effects of humans on habitats eg loss of nesting hollows	Foodchains - local and of the world.	Ecosystems Taxonomic classification	Carbon Cycle. Carbon Credits: Research & debate its effectiveness
Interdisciplinary Learning	Communication	Establish rules for looking after plants/animals in school garden	Oral presentation based upon what forest animal needs to survive	Oral presentation of informative poster or powerpoint	Interpret why changes have occurred in local community (project)	Put together a political campaign using a variety of media	Produce a 4 corners style TV show to be debated by another class
	Design, Creativity & Technology	Make a model of the earth (terrarium)	Making pots to grow plants in, make bag to carry library books	Make a nesting box for a specified animal eg possum or duck	Design a salinity model to show how salinity occurs	Design a frog bog, wetland or bush food garden for school ground	Design a sustainable house model using renewable materials.
	ICT	Develop a simple poster to promote the save our forests message.	Internet search on biodiversity issue eg Amazon deforestation.	Collect data (eg flora fauna audits), enter onto spreadsheet & chart	Use of email/online forums to share and gain information	Create website related to environmental issue/campaign	Working in team, use ICT to promote what BD work is occurring @ school
	Thinking	Classification of objects eg native/ indigenous/ deciduous	Explanation of data collected for ICT by researching topic in group	Identify ways to increase biodiversity eg National tree day	Local community project explaining changes on a topic of their choice	Seek evidence supporting opinion on a issue, assess validity of ideas	Investigate issue, analyse both sides of argument at hand, choose side