



Warburton Habitat Tree Student Programs 2018

Student Environment Excursion Programs – Foundation to Y10 Science & Geography



5 or more of the following Cross Curriculum priorities & General capabilities included in all environment programs.
 Civics & Citizenship, Sustainability, Literacy, Critical & creative thinking, Ethical understanding, Personal & social capability, Personal, community & social health, Inter-cultural understanding, Indigenous history & cultures.

School Programs – Pre & post program resources available for students and teachers




Year	Program	Description	Curriculum	Duration/cost
3/4	'Living Forests' Indoor Forest, CTRF, YR	Forests are made up of living and non-living things. Explore the Cool Temperate Rainforest and the connections that plants, animals and humans have within the forest ecosystem and the surrounding environments. All living things are connected.	Biological Science Forest Classifications Geography	4 hours \$15.00 pp
3-6	'The Habitat Tree' CTRF, YR, Indoor Forest	With a focus on old growth trees students will visit the oldest forest type in the world, the tallest flowering plant in the world and the tallest tree species (non-native) in the world! From the Cool Temperate Rainforest to the Riparian Zone along the Yarra River, these ancient trees are vital components of our forest ecosystems providing habitat, shelter, protection and food to our native wildlife and to the forest itself. Our Victorian hollow dwelling species from bats to gliders and Powerful Owls are completely reliant on the survival of these environmentally significant old trees, as are we humans!	Biological Science Geography Ecosystems, cycles Humans & the Environment Conservation & Sustainability	
4/5	'All Living Things' Ind F, CTRF, Mt D or CTRF, YR, Ind Forest	The earth's environment sustains all life – explore the flora and fauna within a variety of ecosystems discovering the incredible <u>connections</u> that exist between plants, animals, humans and the environment.	Biological Science Ecosystems Food webs Geography	
	'A Changing Landscape' EDC, CTRF, Mt D	Indigenous history and in particular, early Europeans have caused dramatic changes to Australia's natural vegetation, rivers and landscapes. Explore a variety of ecosystems within the mountains of the Yarra Ranges; discuss the <u>natural processes; and human activities</u> that support and threaten the survival of these ecosystems and the native plants and animals that live within them.	Earth & Space Sciences Geography Cycles	
5/6	'Forests Alive' EDC, CTRF, Mt D or CTRF, YR, EDC	The physical conditions of an environment directly impact the survival and growth of the living things within it – what natural and human disturbances impact our forests, how do these impacts affect humans and what can we do to conserve our forests into the future.	Geography Biological Science Earth & Space Science	Min charge \$240.00
	Surviving Nature - 'Adaptions' EDC, CTRF, Mt D	Explore characteristics of plant and animal species within 3 forest ecosystems discussing and observing structural and behavioural adaptations that have occurred in the preservation of species survival.	Biological Science Animal behaviour Structural adaptations Climate	
7	'Water Inside Out' Upper Yarra Dam Unit 1 Geog 	A study of water; from precipitation in the forests of Melbourne's closed water catchments supplying 80% of our fresh drinking water, to the pristine upper reaches of the Yarra River. Discover the connections between water, plants and animals. Included; water as a resource, healthy waterways, water quality, and aquatic invertebrate identification!	Geography Unit 1 Earth and Space Science Biological Science Food Webs	4 hours \$16.00
	'The Wonderful World of Waterbugs' Indoor Forest, YR	Explore the bizarre and wonderful world of freshwater aquatic invertebrates. Consider how waterbugs are classified, participate in aquatic invertebrate identification and explore an aquatic ecosystem observing habitats and life under, on and around our waterways.	Earth and Space Science Biological Science Food web Geography	
8	'A Mountain Landscape' Indoor Forest, CTRF, Mt D Unit 1 Geog	Our mountain landscapes impact where we live, how we live and life itself! Explore Mt Donna Buang and its history with indigenous tribes, early settlement, logging, wildfire and water. Observe a variety of; ecosystems, environments, landforms, vegetation classes and habitats, all at differing altitudes to the summit at 1250m above sea level. Investigate changes due to natural processes and human activities such as erosion and signs of volcanic activity from millions of years ago!	Geography Unit 1 Earth and Space Science Biological Science	Min charge \$240.00
8	Ecosystems: a multi-functional system	Explore a forest ecosystem – a multi-functioning system made up of living and non-living components that work together to	Environmental Science Biological Science	4 hours \$16.00

		support life!		
9/10	‘Ecosystems & Biodiversity’ Indoor Forest, CTRF, Mt D Upper Yarra Dam	The cycles and processes we observe within a natural landscape result from the functions and interactions of both living and non-living elements. These processes such as the hydrological cycle and the transfer of energy, as well as the slower processes of weathering and erosion, all rely to varying extents on the functional role of plants, animals and microbes – biodiversity!	Environmental Science Biological Science	4 hours \$16.00
	Geog Y10 Unit 1 Environmental Change and Management - 2 options 	Students will observe, investigate, collect data and analyse the impacts of human induced changes on the Yarra River for the purpose of providing Melbourne with its fresh water supply. Structural changes such as the building of the dam, river redirection, the filling in of wetlands and pollution have caused challenges for downstream environments, how is the health of the Yarra today? Interactions between the environment and people constantly challenge sustainability shaping communities, the environment and all that live within it.	‘Fresh Water - Human Induced Change’ (Upper Yarra Dam) Warburton – a sustainable community (Warburton)	4 hours \$16.00 Min 1 class Max 2 classes Min charge \$240.00

Location programs for all age groups

F-10	‘Indoor Forest’ Wildlife Biodiversity 	The Environment Discovery Centre offers a life-like forest display with up to 50 species of native taxidermy bird, reptile and mammal species. This is a fun, informative and interactive experience with an ‘Indoor Forest’ and spotlighting in the ‘Nocturnal Niche’. Loved by all ages this is a unique opportunity to closely observe physical characteristics of species, while discussing habitat, threats, behaviour, life cycle, conservation, history, culture, community...	Content varies to suit curriculum needs	1 hour 12 persons minimum Cost \$ 5.00 per person
3-10	‘The Great River’ Yarra River Walk	The Upper Yarra remains clean and full of life offering a rich diversity of plant and aquatic species which in turn attract reptiles, mammals and an abundance of native bird life. Curriculum topics include ecosystems, river health, wildlife & habitats, water/human relationships, history of the Yarra, conservation & sustainability...	Tailored to suit curriculum needs	1.5 hours Min - 12 per Cost \$ 6.00 per person
F-10	‘Old Forests’ Cool Temperate Rainforest Mountain Ash	Walk above the forest floor on the elevated boardwalk and stand amongst the forest canopy on a 40 metre long observation platform stretching out into the tree tops of the ancient Cool Temperate Rainforest, the oldest living forest type in the world. This mystical forest is on the National Heritage List, the World Heritage List, and is a living example of earth’s evolutionary history.	Tailored to suit curriculum needs	1.5 Hours \$ 7.00 pp
F-10	‘Cool Catchments’ Upper Yarra Dam 	Explore Melbourne’s Water Catchment at the uppermost accessible point of the pristine Yarra River. Surrounded by ‘closed’ forests since 1888, the Upper Yarra Reservoir is the third largest of Melbourne’s water storages and as part of the greater Upper Yarra Catchment supplies Melbourne with 80% of its drinking water. This is a unique opportunity to learn about the history of the Yarra and its dam on site, water supply, wildlife, biodiversity and more...	Tailored to suit curriculum needs	2.5 hours \$10.00 pp 4.5 hours \$15.00 pp Min charge \$240.00

Vacation Care/Camp/Group Programs

F-10	The Dinosaur Forest  Wildlife and their Habitats CTRF, Indoor Forest	Explore the ancient Cool Temperate Rainforest, the oldest living forest type in the world. What wildlife live here, where do they live, how do they move and what do they eat? What roles do plants and animals play within our forests ecosystems? Explore the connection between forests and water! What makes this ancient forest so special and why do we need to preserve it? How can you make a difference?	Biological Science Geography	3.5 hours \$12.00 pp
3-10	‘Warburton, Wildlife & Water’  YR, Indoor Forest	Warburton has a long history of gold, timber, water and Tourism. Explore the town, the Yarra River and the Indoor Forest.	Biological Science Geography Environmental Science	3 hours \$12.00
3-10	‘River Life’  YR, Indoor Forest	Learn about the aquatic habitats of the Yarra River, life on its banks and surrounding forests. What lives under, on and around our waterways?	Geography Biological Science	3 hours \$10.00

Indoor Forest (IndF), Cool Temperate Rainforest (CTRF), Yarra River (YR), Mt Donna Buang (Mt D)

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