

# F – 10 Warburton Habitat Tree School Programs 2019

## Student Environment Excursion Programs – Foundation to 10 Science, Geography & History

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

Year	Program	Description	Curriculum	Duration/cost
F-2	<b>Place, Space and Interconnection</b> <b>Living things</b> <b>'Wildlife &amp; their Habitats'</b> CTRF, Indoor Forest	Plants and animals are directly reliant on each other and their environment to survive, as are we humans! Where does our wildlife live, why do they live there. What physical features do living things, plants and animals have to help them to survive in their special habitat? Fun and interactive	Geography Indigenous/ ecological history Science – living things Biodiversity Sustainability	<b>4 hours</b> 15.00
3-8	<b>Ecosystems</b> <b>'Living Forests'</b> Indoor Forest, CTRF, YR, Mt Donna Buang Redwood Forest	Forests are made up of living and non-living components that interact resulting in the processes that sustain life. Explore the Cool Temperate Rainforest and either the Riparian ecosystem/or the sub-alpine ecosystem and discover the connections that exist between plants, animals, humans the environment.	Biological Science Geography Sustainability Ecosystems Conservation	<b>4 hours</b> \$15.00 pp
	<b>Ecosystems</b> <b>The Cool Temperate Rainforest</b> CTRF, YR, Indoor Forest	The Cool Temperate Rainforest is the oldest forest type in the world, is on the World Heritage List, the National Heritage List, is unique, mystical, beautiful and threatened! This program will focus on this ancient ecosystem, old growth forest, its historical and ecological values and its vital role within the mountain landscape with the water cycle, wildlife and habitat.	Biological Science Geography Ecosystems Water cycle Indigenous history Conservation	
	<b>'Endangered Species'</b>  Indoor Forest, CTRF, YR, Mt Donna Buang	Many of our native plants, wildlife and whole forest communities are considered threatened. Natural and human disturbances have and continue to contribute to the decline in Victoria's biodiversity. Native hollow dwelling species such as the Leadbeater's Possum face an uncertain future. Why is this so, why does it matter and what can we do?	Science Geography Wildlife Habitat Conservation	
5/6	<b>Surviving Nature - 'Adaptions'</b>  Indoor Forest CTRF, Mt D / YR	Identify and explore the characteristics of plant and animal species within 2 forest ecosystems discussing and observing structural and behavioural adaptations that have occurred over time in the preservation of species survival. How do the physical conditions of the environment directly impact the survival and growth of these living things? What natural and human disturbances impact our forests, how do these impacts effect humans and what can we do to conserve our forests into the future?	Biological Science Geography Ecological history Earth and Space Science Animal behaviour Structural adaptations Climate Topography	Min charge \$320.00
7/8	<b>Water in the world</b>  <b>'Water Inside Out'</b> Upper Yarra Dam N/A  <b>'Mountains of Water'</b> Indoor Forest, CTRF, YR 	A study of water; Our most precious natural resource! Water is essential for all life forms; it changes its state as it circulates between the land, the oceans and the atmosphere. Discover the connections between forests and water and the physical movement of water through and between ecosystems. 80% of Melbourne's drinking water comes from the Yarra Ranges. It is one of the cleanest waters in the world! Included; water as a resource, healthy waterways, aquatic invertebrate identification and conservation.	Geography Environmental Science Earth and Space Science Biological Science History Food Webs Aquatic Invertebrate ID	<b>4 hours</b> \$16.00
	<b>'The Wonderful World of Waterbugs'</b>  Indoor Forest, YR	Explore the bizarre and wonderful world of freshwater aquatic invertebrates. Consider how waterbugs are classified, how they survive and reproduce. Participate in aquatic invertebrate identification, data collection and explore an aquatic ecosystem observing habitats and life under, on and around our waterways.	Biological Science Earth and Space Science Environmental Science Geography	
7/8	<b>'A Mountain Ecosystem'</b>  Indoor Forest CTRF, Mt D	Our mountain landscapes impact where we live, how we live and life itself! Our Alpine regions play a critical role within the water cycle, the supply of our fresh drinking water and to the health of downstream environments. Follow water's journey from the river flats of the Warburton Valley, up through Mountain Ash Forests and ancient fern gully's to the rocky ruggedness of the summit of Mt Donna Buang at 1250m above sea level. Discover the connections each ecosystem system has with water, plants, animals and each other. All working together to support life!	Geography Earth and Space Science Biological Science Environmental Science	Min charge \$340.00

9/10	<b>‘Ecosystems &amp; Biodiversity’</b> Indoor Forest, CTRF, Mt D, Redwood Forest Upper Yarra Dam <b>N/A</b>	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	<b>4 hours</b> \$18.00
	<b>Geog Y10 Unit 1 Environmental Change and Management</b> - 2 options  Upper Yarra Reservoir Park <b>N/A</b>   Warburton / Yarra River	Upper Yarra Reservoir Park - 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)	<b>4 hours</b> \$18.00  Min 1 class Max 2 classes  Min charge \$360.00

**Short Programs ... or maybe you would like to design your own? Topics and locations can be flexible.  
You can come to us, we can join you or we can meet your there!**

F-10	<b>‘Indoor Forest’</b>  Wildlife Biodiversity  	The Indoor Forest 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 a ‘diurnal forest’ and a ‘nocturnal forest’ where students can enjoy some spotlighting. 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 and community...	Content varies to suit curriculum needs	<b>1.15 hour</b> 12 persons minimum  Cost \$ 6.00 per person
3-10	<b>‘The Great River’</b>  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	<b>1.15 hours</b> Min - 12 per Cost \$ 7.50 per person
1-10	<b>‘Ancient Forests’</b>  Cool Temperate Rainforest	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	<b>1.5 Hours</b> \$ 7.50 pp
F-10	<b>‘Cool Catchments’</b>  Upper Yarra Dam <b>N/A</b>  	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	<b>2.5 hours</b> \$12.00 pp  <b>3.5 hours</b> \$15.00 pp Min charge \$320.00
3-8	<b>‘The Dinosaur Forest’</b>  CTRF, Indoor Forest  	Explore the oldest forest type in the world! ... the ancient Cool Temperate Gondwana Rainforest. 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 History	<b>3 hours</b> \$12.00 pp
3-8	<b>‘River Life’</b>  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	<b>3 hours</b> \$12.00 pp
3-10	<b>Tall Timbers</b>  Redwood Forest	<b>Mini Bus Only</b> - Meet the tallest tree in the world! This non-native Californian Redwood plantation has created a beautiful, magical, and awe inspiring landscape that will not disappoint. Why are they here? How do these trees compare to our native giants?	Geography Biological Science Environmental Science Land Management	<b>2.5 hours</b> \$12.00

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