

Case Study: United World College Singapore

Connecting Outdoor Spaces
to Student Profiles, Learning Principles and Curriculum



Teen Vegetable Garden



Rainforest Garden



Flowering Plant Garden

Gardens and green space surround the perimeter of the green certified buildings. There are eight tree zones including fruit trees and rare species and numerous smaller gardens including rainforest, vegetable, herb, and flower gardens that are tended by student club groups supported by knowledgeable facilities staff.

There are many possibilities for broadening the use of the greenscapes as outdoor teaching-learning spaces that can be a resource for cross-curriculum lessons.

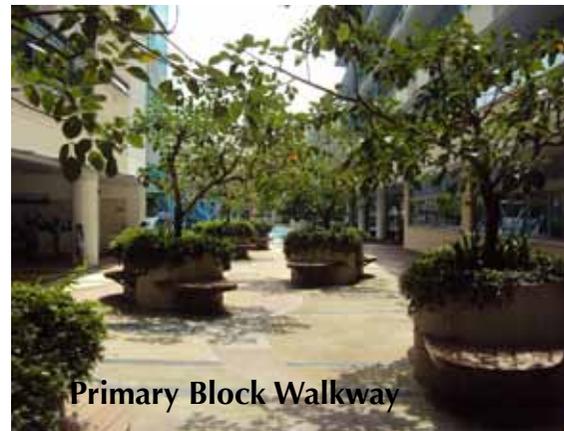
A shaded tree zone can be designated as an outdoor classroom with enough benches or seats for a classroom group to sit for class.

The flowering plants garden that attracts a variety of butterflies and insects can be a resource for teaching taxonomy and investigating ecological relationships. The rainforest garden is a resource for learning about local habitat.

Putting a chicken coop in the vegetable garden will add another dimension and make it a place for learning about life cycles, plant-animal relationships, and stewardship.



5th Floor Science Garden Site



Primary Block Walkway

A new greenscape project, the 5th floor Science Garden can be organized as a participatory planning and design process that begins by analyzing conditions of sun-shade, water access, temperature ranges etc. Findings will be the basis for deciding on best use and appropriate design.

There is potential for experimenting with or testing out hydroponic gardens, aquaculture, or vertical trellis gardens and learning about ecological planning and innovative design in the process.

Greenspace can be brought closer to classrooms by transforming open air walkways between building blocks into green corridors. Adding planters and tall trellis for climbing vines will add a shady canopy over the walkway to create a comfortable outdoor classroom space. Native plants should be chosen and planted in associations to mimic local habitat. Design, installation, and stewardship can be integrated into cross-curricular lessons and activities.



Garden Near Play Area



Rainforest Hideaway

Keeping walkways open into garden areas located near hang out and play areas makes them accessible as green getaway spots and places for down time, studying, and reflection.