

Background: Permaculture is one of Australia's greatest intellectual exports and a really powerful way of devising integrated environmental health problem solving. This new experiment shrinks a room down to something even smaller than a "tiny house" and naturally creates desirable microclimates and environments for human occupation.

Early Pruning Based Shade Tunnel



Aim: Human health and planetary climate health is dependent on a better unit of human civilisation being developed beyond the detrimental artificial caves we currently inhabit. It also needs to be affordable, recreational, educational and nutritional in every sense. It should look, taste, smell, sound and feel better!

Methods: It started off as an idea for a new type of outdoor furniture and literally grew into a potentially new type of habitation and outlook. Rather than designing from the ground up, this prototype was designed from the position of the sun down. Vines are great for growing fresh fruit and vegetables but also have several other microclimate applications. Every element of this new structure has multiple roles and is closely integrated with other and seasonal elements.

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← Automatic Water Based Robotics

This has applications in Climate Change Adaptation, Indigenous Health, Science and Heritage Education, Emergency Management Preparation, Accommodation and Recovery, Nutrition, Medical Recovery, Aged Care & Workplace Enhancement.

Science the Way Out and HEAL the Lot 2022



Not a Driveway – Room Rails

To access Shed, Rain roof, Shade Tunnel and Sun



Mesh with fencing wire spokes supports shade cloth, nets or plastic...

...and over 90kg of pumpkins grapes, cucumber beans, peas and berries!

It is new Human Centred Micro-Climature Ecology.

The walls and ceiling panels are interchangeable and adjusted to a desirable climate and the whole room rolls on rails to adjust extent of shade, avoid rain or to secure in storage.

Results: The vines have been incredibly productive and visits from unseen wildlife very pleasing. Even time seems to slow down particularly when staring directly up into the clouds or the stars particularly when breathing in the fresh air.

Conclusions: I can't wait to add the additional life support components, try other configurations and learn to see what others of all ages, cultures, environments and climates do with these ideas.



Gravity Driven Drip Rationing

Solar Collection/Interchangeable Wall and Ceiling Layers on an Inverted old Trampoline



Environmental Health is not just about ticking boxes and it is time to think more inside and outside the box as well. Review your life support systems and do some real life "Dr Who". Reality is so much more fun than imagined situations.

Repurposing Yogurt Lids & Containers to Raise and Protect Seedlings



Prototype Garden Living

Groovy
Foldout
Hinged
Caster rails

A Climate Change Food Garden Humans May Want To Live In - An EHO's new home grown dwelling perspective