



# Earthcare Education Aotearoa

## PERMACULTURE IN SCHOOLS TEACHER TRAINING

**Duration:** 5.5 days,

**Dates:** Sun 19 NOV - Fri 24 NOV

### TUTORS

**Robina McCurdy** (*Earthcare Education Aotearoa, New Zealand*),

**Leigh Brown** (*South Africa*),

**Ego Lemos** (*Timor-Leste*),

**Brad Barber** (*Australia*),

**Narsing Arravally** (*India*)

### VENUES

Aranya Farm, Pastapur village, Zaheerabad district, Telangana, INDIA

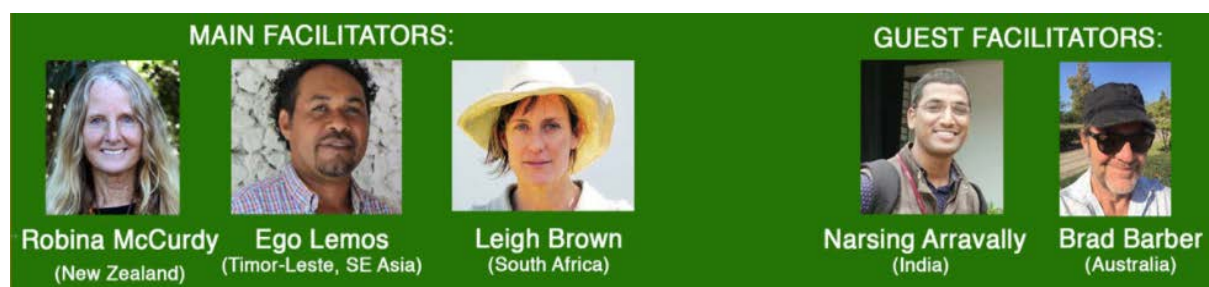
## = Practice Sessions happening at the nearby **Bidakanne School**

See logistics flyer for location details.

### DAILY RHYTHM

*(draft only – adjustments may happen in advance by on-the-ground Indian staff)*

<i>Breakfast</i>	<i>7 – 8am</i>
<b>Morning Circle</b>	8 – 8.30am
<b>Session 1</b>	8.30 – 10.15am (1 hr 45 mins)
<i>Morning Tea</i>	<i>10.15 – 10.45am</i>
<b>Session 2</b>	10.45 – 12.30 (1 hr 45 mins)
<i>Lunch</i>	<i>12.30 – 2pm</i>
<b>Session 3</b>	2 – 3.30pm
<i>Break / Transport</i>	<i>3.30 - 4pm</i>
<b>Session 4</b>	4 – 5.30pm
<i>Dinner</i>	<i>6 – 7pm</i>
<b>Session 5</b>	7 – 9pm (2 hrs)





# Earthcare Education Aotearoa

## DAY 1: LAYING THE FOUNDATIONS

### Session 1

**Introduction** to each other and the programme. Learning Outcomes. Establishing our **Group Culture** (*Leigh & Robina*)

### Session 2

**Designing Permaculture Programmes for Children's Learning**

- (a) The **proven benefits** of permaculture, gardening and nature connection for children's motivation, academic achievement, health and wellbeing.
- (b) Core principles of **Outcomes Based Education** and the practice of these in developing an educational programme
- (c) Designing and operating a **theme-based Whole School Programme**.
- (d) Designing an educational programme to provide for the needs of children's different **learning styles** (visual, auditory, kinesthetic), with emphasis on emphasis on kinesthetic learning.  
– *presentation, brainstorm, group sharing (Robina)*

### Session 3

**Working with Impoverished Schools – presentation & group discussion**  
(a) in urban areas (*Leigh & Robina*)  
(b) in rural areas (*Ego & Robina*)

### Session 4

**Introduction to SEED** (Schools Environmental Education & Development) programme in Sth Africa **(a) organisational structure, funding, involving the wider community, business engagement & development** - *powerpoint presentation & questions (Leigh)*

### Session 5

- (a) Localising Food Project Documentaries: 'Empowering Gardeners - Schools as Community Food Hubs'** (20 mins), *followed by discussion & summarising community development strategy arising out of last 3 sessions (Robina)*

*Break*

- b) Localising Food Project Documentary: 'Enriching Gardeners –Gardening at the Heart of the School Curriculum** (30 mins), *followed by discussion & summarizing including material from Session 2 – (Robina)*



## DAY 2: INTERACTIVE APPROACHES TO WHOLE SCHOOL DESIGN

### Session 1:

**Introduction to SEED (b) Educational Programme Development, Accompanying Resources and Delivery in Schools**  
*presentation (Leigh)*

### Session 2:

**Steps in facilitating the Permaculture Design Process** with different age groupings of children, from site analysis to concept design to whole school grounds edible landscape implementation *powerpoint (Robina)*

### Session 3:

**Developing Interactive Teaching Resource Kits** – *tactile introduction including uses; followed by construction activities (Robina)*

### Session 4:

**Introduction to PERMATIL's permaculture in schools programme** in Timor-Leste, South-East Asia – *presentation & questions (Ego Lemos)*

### Session 5:

**Introduction to the local Bidakanne School** and its new Permaculture Food Forest project - *audio-visual presentation (Brad)*

## DAY 3: INTERACTIVE PERMACULTURE PROGRAM STAGES

### Session 1

**Introducing Environmental Education & Permaculture Design Concepts** through participatory methods of delivery, to children at different ages – *presentation & group activity (Robina & Ego)*

### Session 2

**Facilitating Site & Sector Analysis** survey activities with various age groups  
*Preparation in small groups, planning for doing this at the school (Robina & Brad)*

### Session 3

**## Site & sector analysis activities** with various age groups – *(all)*

### Session 4

**## Debrief** and **map amalgamation** of the results of this activity *(Robina & Brad)*

### Session 5

**'Culture within Permaculture'** as a key motivating factor in engaging children.

*(a) Presentation (Robina)*

*(b) As a group, sharing some locally relevant stories, songs and visual materials. Learning some locally relevant Indian songs (Leigh, Brad)*



## DAY 4: VISIONING TOGETHER

### Session 1

- (a) **Wholistic Goalsetting Mandala** - different approaches with students, teachers and parents – *presentation & mini-activity (Robina).*
- (b) **Other Client Interview methods** – *presentation (Leigh, Ego, Narsing)*

### Session 2

**Preparation & practice of Whole School Community interview** to engage small groups – *activity (all tutors engaged)*

### Session 3

**## Whole School Community interview** – *activities in small groups (all)*

### Session 4

**## Synthesis** of Whole School Community interview outcomes & debrief *activity (Leigh)*

### Session 5

**Localising Food Project Documentaries:**

- (a) **'Awakening Gardeners - Edible Learnsapes & Nature Havens in Early Childhood Centres** (23 mins)
- (b) **Growing Gardeners – Transforming School Grounds Into Productive Learning Environments'** (45 mins)  
*Followed by sharing and summary of focused learnings about school grounds design (Robina)*

## DAY 5: DEVELOPING FOOD GARDENS IN SCHOOLS

### Session 1

- (a) Delivering hands-on **permaculture garden design** to children, integrated within the school curriculum – *presentation (Robina & Ego)*
- (b) **Practical Implementation** recommendations – *recorded verbal sharing, participants input followed by handout equipment lists (Robina, Ego, Brad, Leigh)*

### Session 2

**'Kiddo Gardener' programme** in India (*Narsing Arravally*)

### Session 3

**## Permaculture Design** (Broadscale & Gardens) with classes, using models &/or maps & interactive teaching toolkit – *activity*

### Session 4

**## Debrief, Design Amalgamation & Preparation for Permablitz** – *Brad & Robina*

### Session 5

Starting and sustaining **child-managed school seed banks** - *Powerpoint & exert from Localising Food Projects: 'SOS: Save Our Seeds' documentary. Q & A, Discussion (Robina)*

## DAY 6: PRACTICAL IMPLEMENTATION

### Session 1 & 2

#### ## School Grounds Practicum:

Amalgamated design layout followed by 'Perma-blitz', of school grounds (garden emphasis), implemented by the whole school community – *activity (all)*

Lunch at Aranya Farm

### Session 3

Debrief, Evaluation, Further Resources  
Gifting

Complete 3.30pm

