

SKILLS BUILDER TRAINING WORKSHOP



Enrol now

Get Started Skills Builder Training

Are you interested in turning slash into a usable product?
Are you interested in turning slash into biochar for your garden?
Are you interested in turning slash into charcoal briquettes for your BBQ and heating in your home?
If so sign up to this series of workshops with Thabiso and Matene.

Limited spaces available so enrol now at the Tolaga Bay Innovation Hub, 12 Cook Street, Tolaga Bay.

Dates: 22, 25, 29 May and 1 June 2023
Time: 9am start
Cost: FREE*
Facilitators: Thabiso Blak Mashaba and Matene Maraki

For more information, contact:
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bfrenchhall@eit.ac.nz

*Conditions apply.



MONITORING, EVALUATION, RESEARCH AND LEARNING (MERL) REPORT

Compiled by Thabiso Mashaba and Matene Maraki
As at 6th July 2023

MONITORING REPORT

Phase 1: Skills Builder Training Workshop

1. **Dates:** 3rd July, 4th July, 5th July and 6th July 2023.
2. **Location:** Ruatoria
3. **Venue:** EIT Campus
4. **Targeted Number of Participants:** 20
5. **Recruited Number of Participants:** 18
6. **Actual Number of Participants:** 9
7. **Funded by:** Adult and Community Education (ACE) Programme - Eastern Institute of Technology (EIT) Hawkes Bay and Tairāwhiti with Facilitator Fees, Marketing, Participant Recruitment, Tools, Materials and Catering.
8. **Supported by:** These Hands GSSE with Curriculum ; Tolaga Bay Innovation with Participant Recruitment and Transport.
9. **Other supporters:** Taiki E! with mentorship; Hauiti Marae with Powhiri ; Huitangiroa with Traditional Facilitation and Participant Recruitment; and Uawa Factory Road Native Nursery with Slurry for making activated biochar.
10. **Implemented by:** Slash for Cash Project
11. **Lead Instructor:** Thabiso Mashaba
12. **Design Facilitator:** Matene Maraki

Objectives of the Training:

1. Retool and Upskill unemployed or enterprising community members with various creativity and innovation skills; the co-creative design process approach; basic metalworking ; and basic woodworking.
2. Train and connect unemployed or enterprising community members from Tolaga Bay, Tikitiki and Ruatoria.
3. Empower these community members to make themselves small metal bucket kilns.
4. Empower these community members to make themselves simple briquette presses.
5. Empower these community members to make themselves simple biochar crushers and how to crush the biochar for the two products.
6. Empower these community members to make their own crushed biochar mixers and how to mix the two forms of crushed biochar to make activated biochar and smokeless briquettes.
7. Empower these community members to store and package their activated biochar and smokeless briquettes.
8. Empower these community members to apply their activated biochar to their gardens.
9. Understand how long it takes to produce 1kg of biochar; how much biochar is required to make 10kg activated biochar; and how much biochar is required to make 5kg of the smokeless briquettes.
10. Build interest and assess the level of interest in the slash for cash project.

Participant List:

1. Katarina Kelly - Female (Tikitiki)
2. Reyton Haerewa - Male (Gisborne)
3. Ngahiwi Tibble - Male (Te Araroa)
4. Cej'n Pohio - Male (Tikitiki)
5. Kate Keelan - Female (Ruatoria)
6. Fever Haunga - Male (Tikitiki)
7. Shane Glym - Male (Tikitiki)
8. Damien Ngarimu - Male (Tikitiki)
9. Kenneth Waerea - Male (Tikitiki)



Design Facilitator Matene Maraki and Lead Instructor Thabiso Mashaba with participants.

Day 1: Introduction to the Co-Creative Design Process: Basic Metalworking to make a small metal bucket kiln and Carbonizing slash to make biochar. (Monday 3rd July 2023)



Participants and facilitators during the first morning circle.

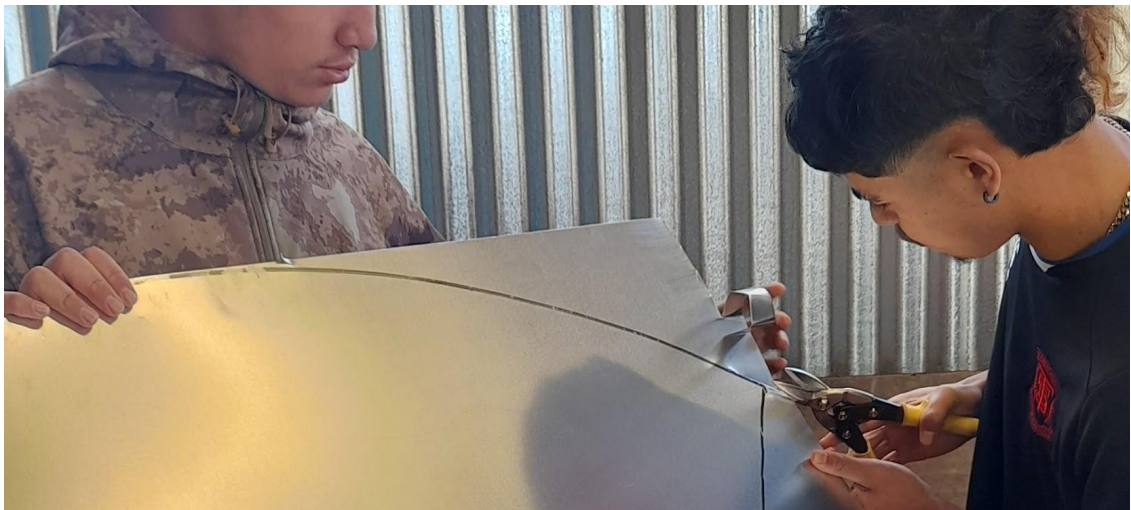


Participants were introduced to the co-creative design process approach to community empowerment and technological development.





Design Facilitator Matene Maraki demonstrating how to make a small metal bucket kiln to the participants.





Participants working with manual tools to do some basic metalworking to make their own small metal bucket kilns.



Proud participants after completing their small metal bucket kilns.



A demonstration of how to carbonize slash using a small metal bucket kiln.



Small bucket kilns carbonizing slash into charcoal

Day 2: Crushing the charcoal and making activated biochar (Tuesday 4th July 2023)



Pictures showing crushed charcoal from small metal bucket kilns



Picture showing unmixed slurry before making the activated biochar.



Picture showing activated biochar made from charcoal and sheep poo slurry.

Day 3: Making simple briquette presses; and making smokeless briquettes (Wednesday 5th July 2023)





Participants doing some basic woodworking with manual tools to make their own simple briquette presses.



Proud participants after making their own simple briquette presses and smokeless briquettes.



Picture depicting smokeless briquettes being dried in the sun.

Day 4: Recapping on the process, Testing charcoal briquettes, Community Showcase and Certificate Awarding Ceremony (Thursday 6th July 2023)



Lead Instructor Thabiso Mashaba leading the recap session and application of the co-creative design process.



Design Facilitator Martin Maraki and a participant testing the burn out time and cooking efficiency of the smokeless charcoal briquettes.



Sharing a Kai with the EIT Staff, participants and some key stakeholders at the community showcase.



Lead Instructor Thabiso Mashaba handing out certificates of completion to the participants.



More highlights from the certificate awarding ceremony.

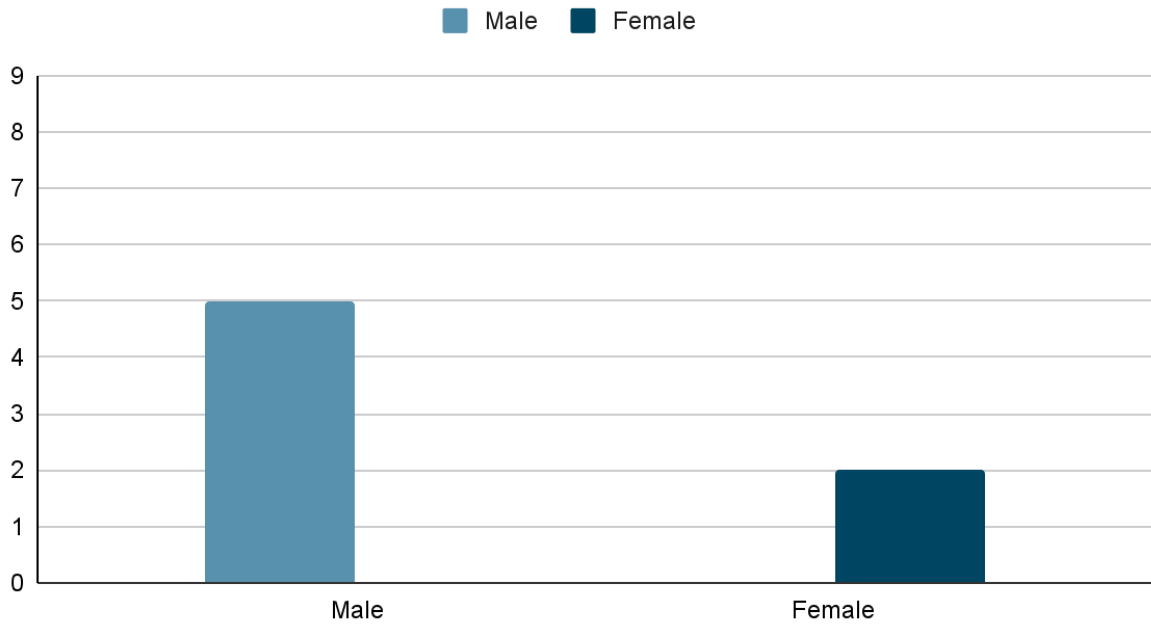


Proud graduates of the skills builder training with the training funders and instructors.

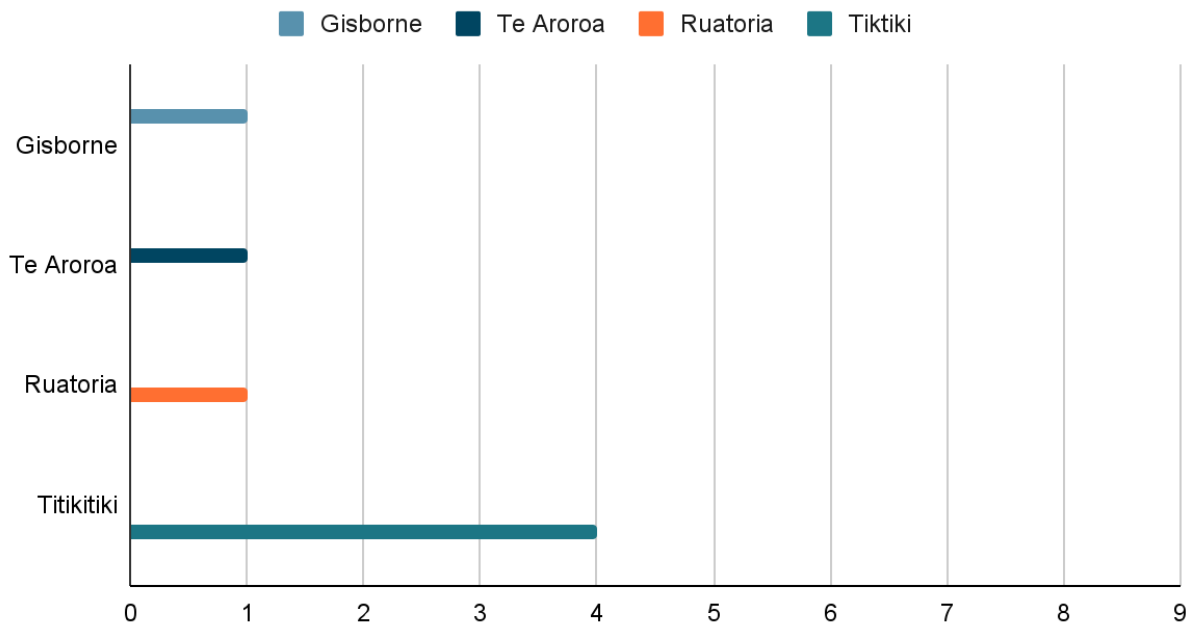
EVALUATION REPORT

Below are results of a post training survey taken by 7 of our 9 Participants on the 6th of July 2023.

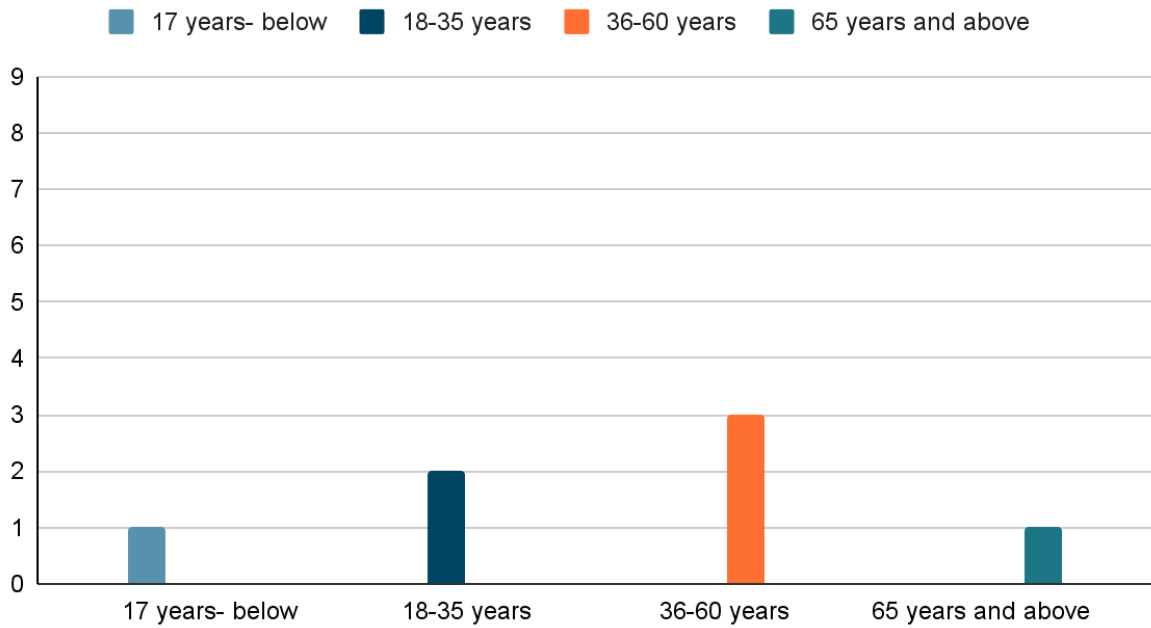
What is your Gender?



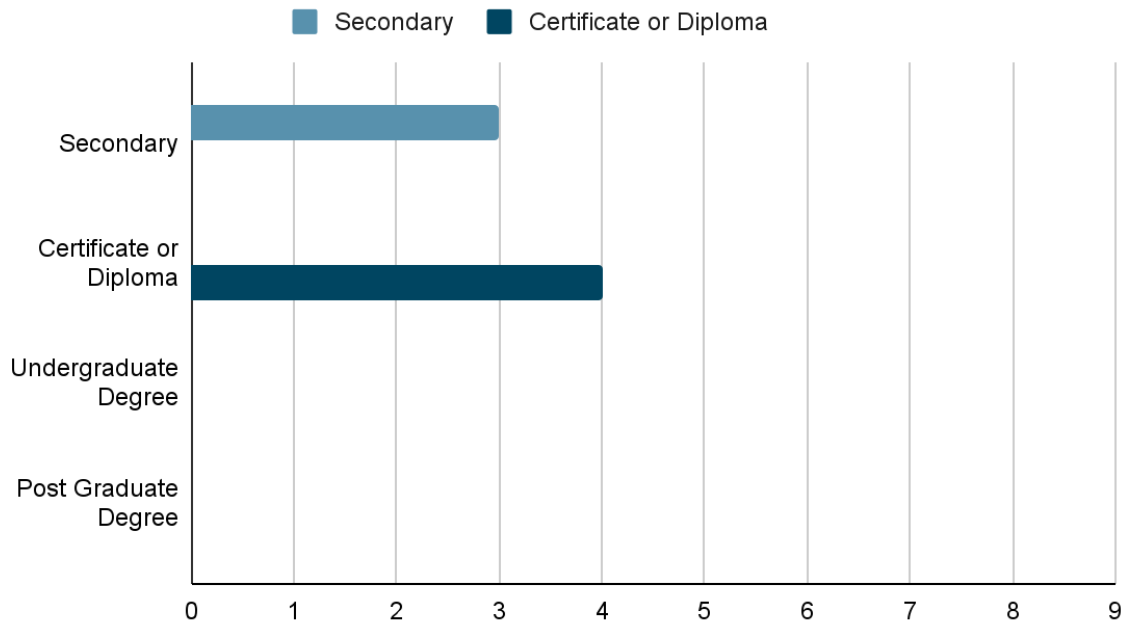
Where do you reside?



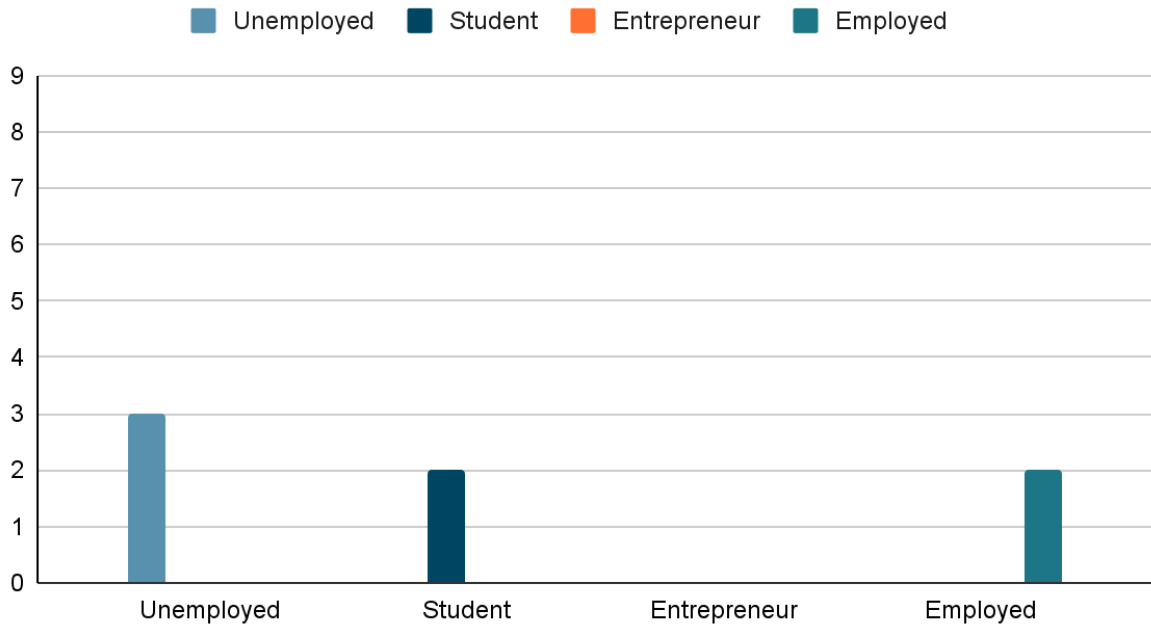
What is your age range?



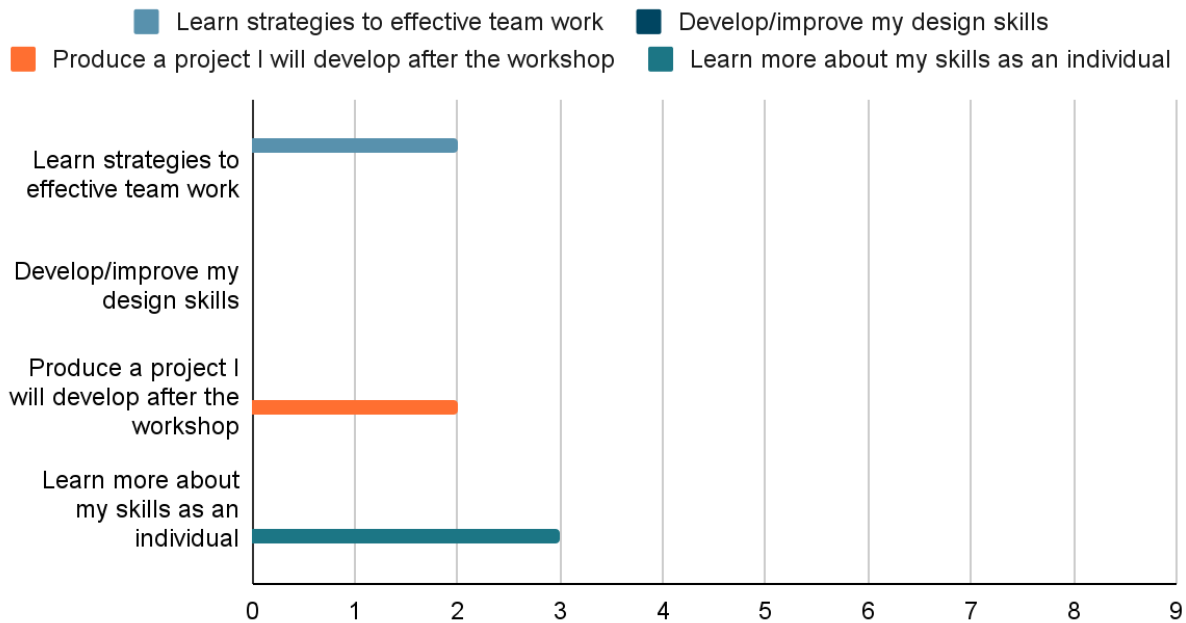
What is your educational level?



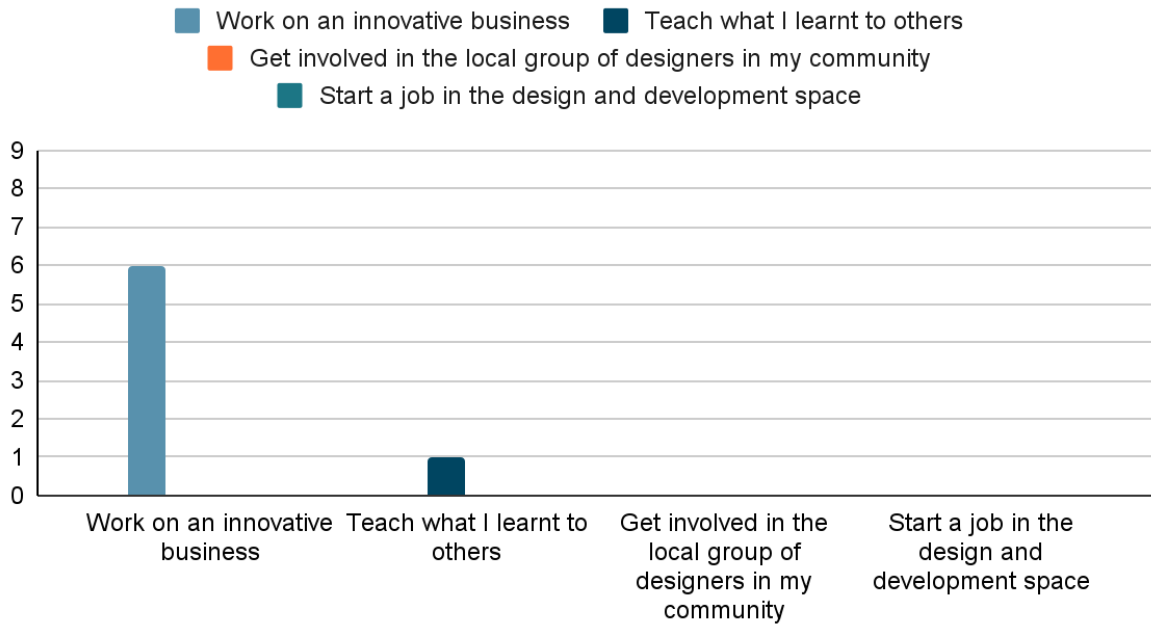
What is your profession?



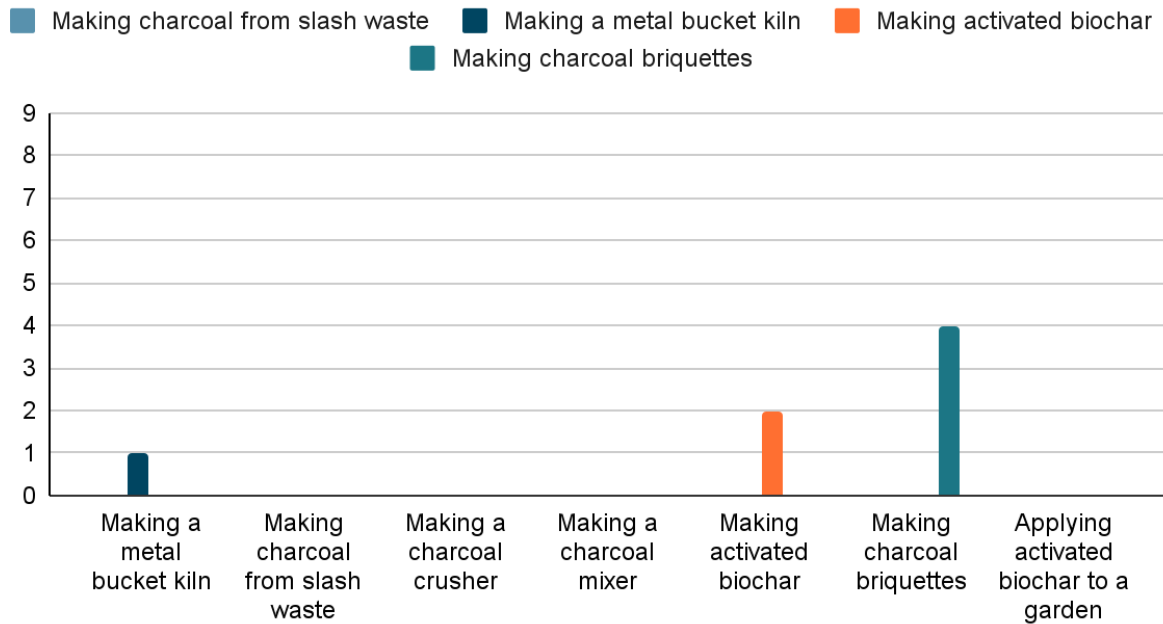
What are your short term goals?



What are your long-term goals?

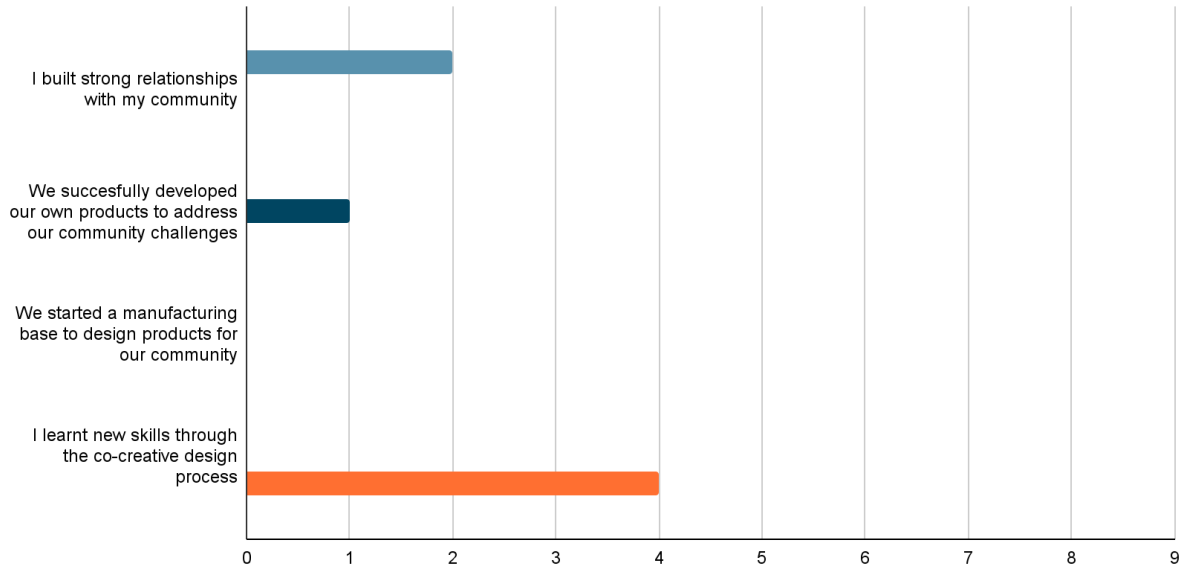


What was your favourite activity?



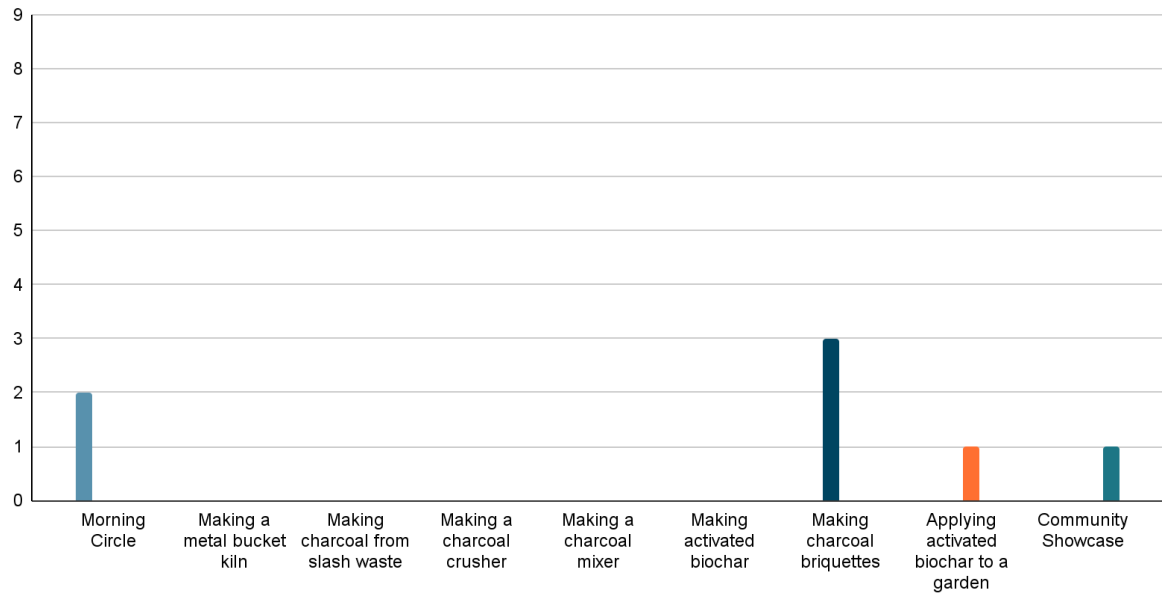
To me the skills builder workshop was a success because:

- I built strong relationships with my community
- We successfully developed our own products to address our community challenges
- I learnt new skills through the co-creative design process

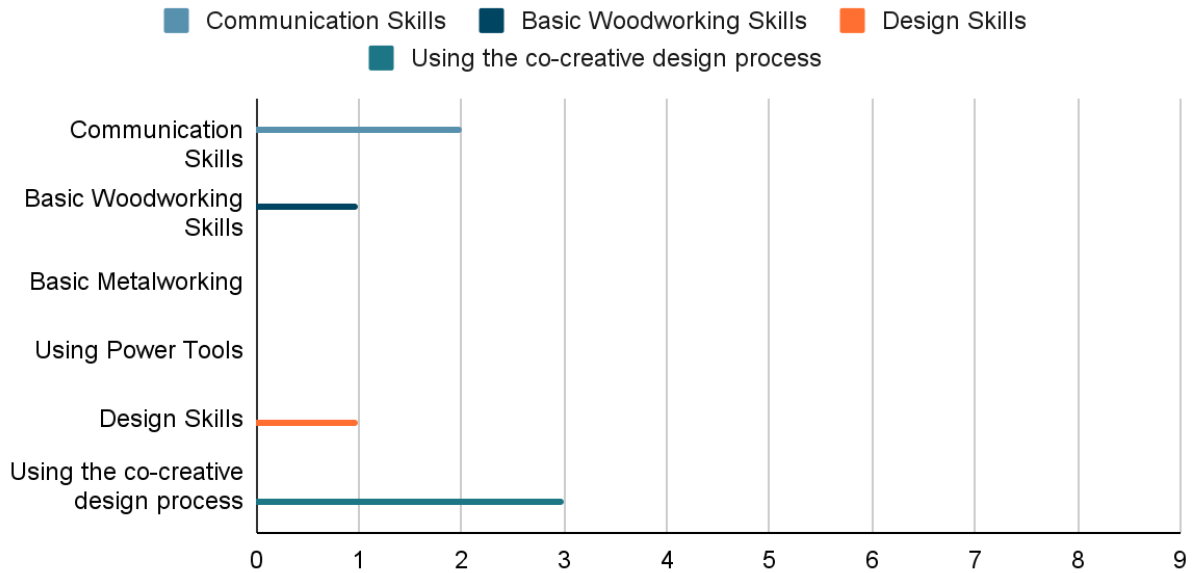


What was your favourite moment of the 2 weeks?

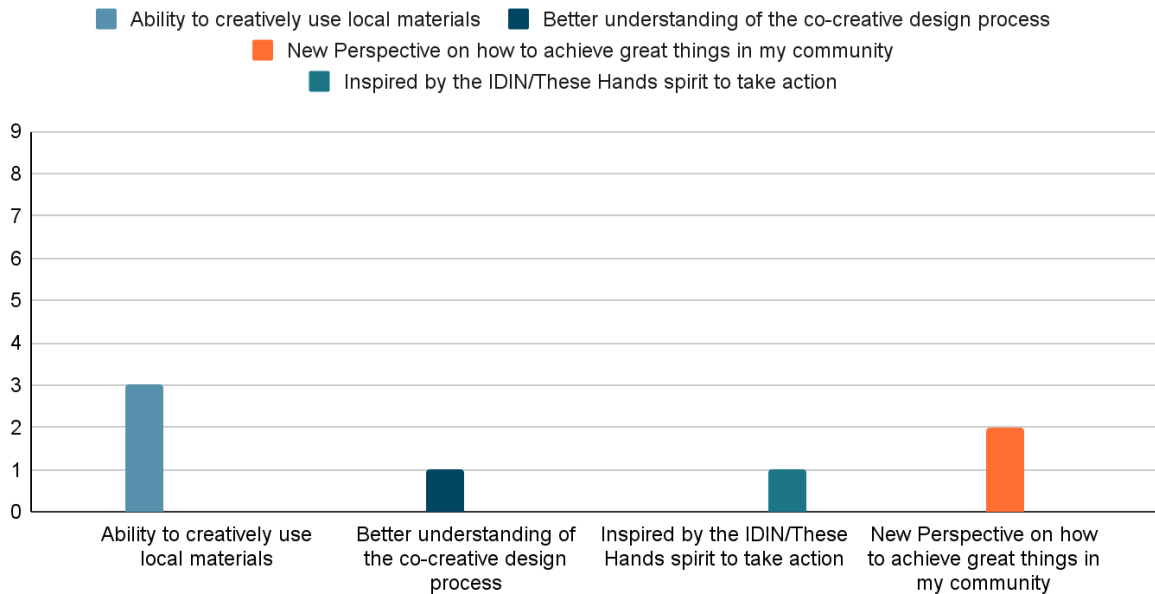
- Morning Circle
- Making charcoal briquettes
- Applying activated biochar to a garden
- Community Showcase



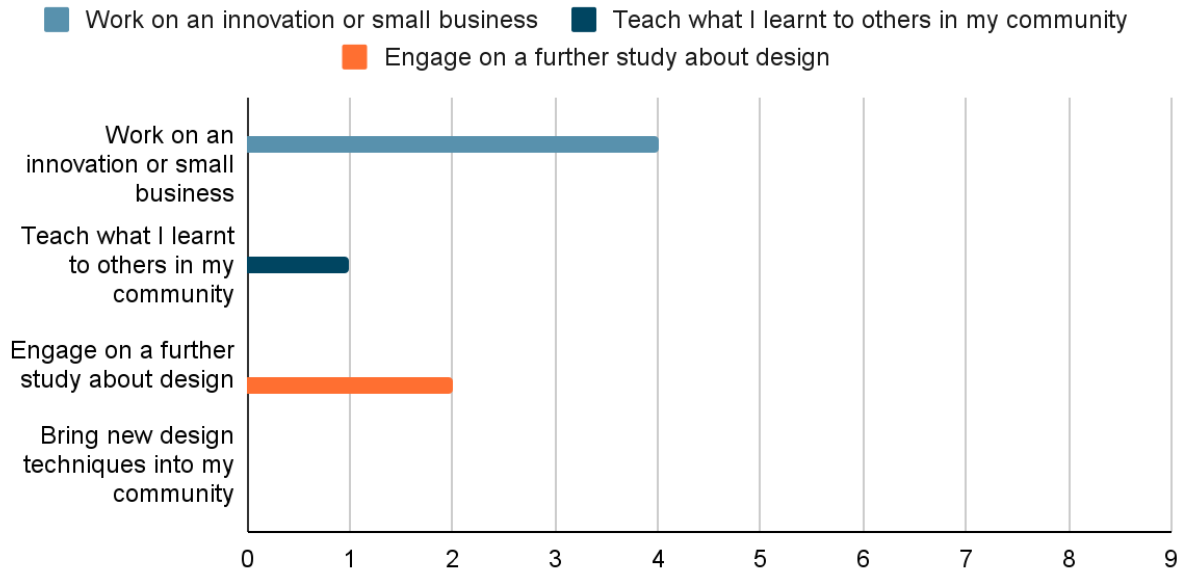
What skills have you gained as a result of participating in the training in 2 weeks?



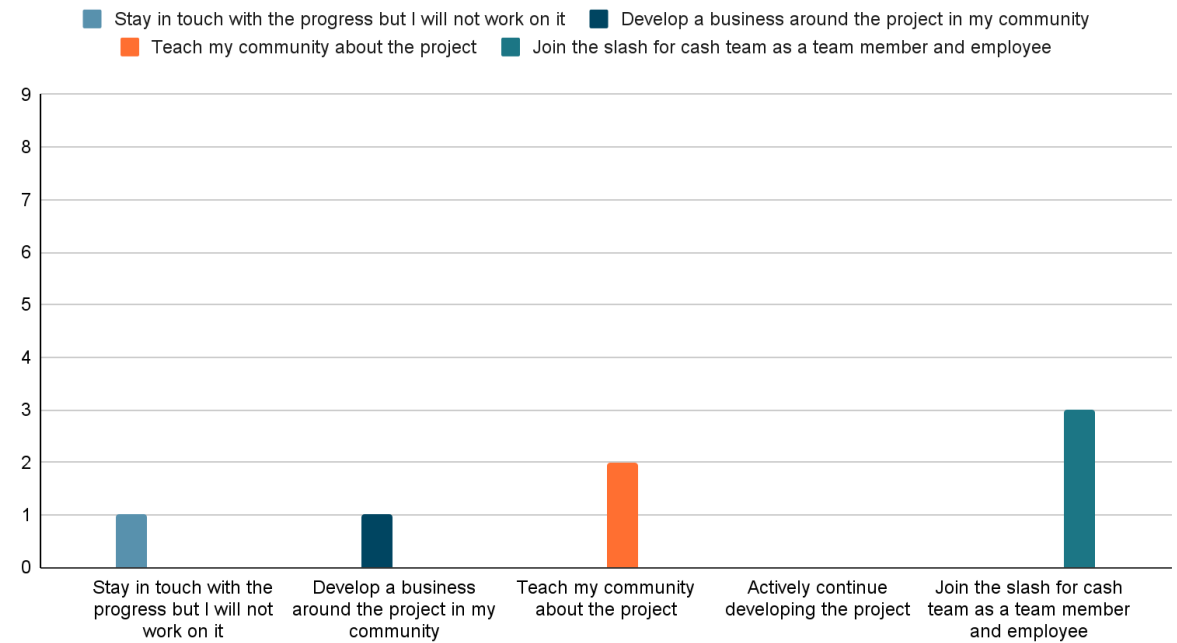
How has your attitude changed as a result of participating in the skills builder workshop in the 2 weeks?



Now that you have completed the skills builder workshop, what are your goals for the next 6 months?



How do you plan to continue working on your skills builder project in the future?



RESEARCH REPORT

1. We explored and timed the time it takes to dry the smokeless briquettes in a small oven.

It took exactly 15 minutes to dry all 42 smokeless briquettes that were made by the participants.

2. We explored and timed how long the smokeless charcoal briquettes take to burn out when used for a bbq.

It took exactly 2 hours for the smokeless charcoal briquettes to burn out completely.

LEARNING REPORT

1. There is a demand for the solution in the Ruatoria and surrounding communities (Te Araroa and Tikitiki).
2. All our participants see the solution having the potential to generate income for them whilst servicing very important causes of cleaning up the environment; potentially restoring the lands; and providing the community with an alternative clean fuel for cooking.
3. A few of our participants would like to teach what they learnt from the training to other people in their community.
4. Some of our participants enjoyed bonding with other participants using the co-creative design process approach.
5. Most of our participants are keen to explore how they can join the slash for cash team and work on the project to start generating income.
6. Our unemployed participants are keen to attend such training workshops that are relevant to them addressing their community challenges. .
7. Most community members in Ruatoria and surrounding areas that listened to our radio interview and attended the community showcase are quite keen to purchase both the activated biochar for use in the gardens and the smokeless briquettes for use for cooking and their bbqs.
8. Media outlets like Radio Ngati Porou and The Gisborne Herald have been great for reaching out to the public and a great step towards building relationships with the forestry companies, landowners, district councils and other Tairāwhiti communities.
9. The Wairoa District Council is very welcoming and supportive of the training and the project. They will host the training at a local councilor's orchard and support with recruitment of 44 participants.



Scanned article on The Gisborne Herald of the 20th of June 2023 about our first training that was hosted in Tolaga Bay (Uawa).



Some pictures of our Slash For Cash Presentation to the Wairoa District Council's Governance Team on the 20th of June 2023.



Some pictures from our Interview on Radio Ngati Porou on with Erana on the 4th of July 2023

NEXT STEPS

1. Do soil tests to test the effectiveness of the activated biochar on improving soil quality and water retention. .
2. Run a skills builder training workshop in Wairoa with 44 participants in August 2023.
3. Decide how to register the project for greater community benefit and sustainability of the project.
4. Fundraise to kick start phase 2 while phase 1 is still ongoing so our participants do not remain idle.
5. Run a creative capacity building workshop in August 2023 to apply the co-creative design process approach to other community challenges in depth.
6. Recycle and repurpose oil drums to make bigger kilns for more charcoal quantity.



Repurposed oil drum kiln next to a small metal bucket kiln

THANK YOU



NGA MIHI