

# Unconventional Textiles

Exploring innovation and upcycling in textiles education



# Kia Ora



**Bec Leydon**

Kaiako  
DVC & Material Technology  
Rototuna Senior High school



**Emily Cassidy**

Kaiako  
Material Technology  
Rototuna Senior High school



"The Importance of the textile complex as a nexus for true STEM education"

Emily Cassidy 2023









## 1.2 Experiment with different materials to develop a Materials and Processing Technology outcome



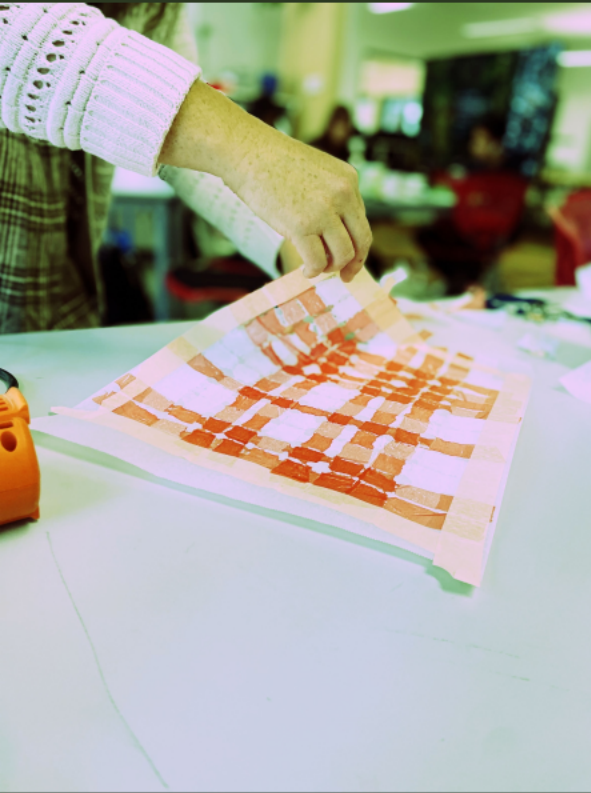
Exploring the properties of different materials through experimentation



Creating a purposeful outcome informed by the exploration.



Examples of experimentation with different materials include:



Combining by mixing materials



Transforming by altering the structure



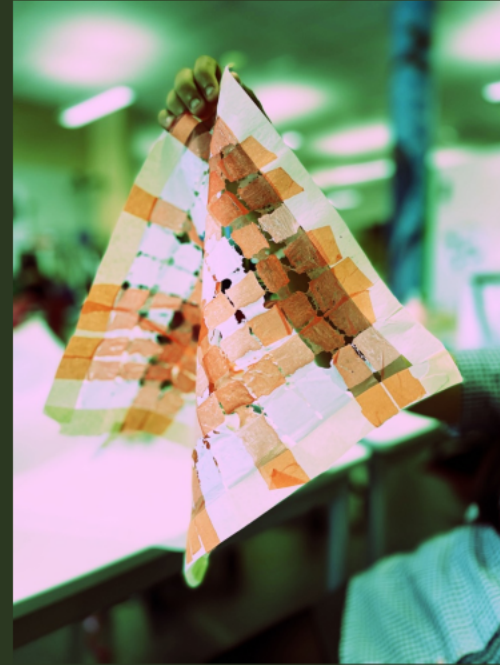
Manipulating materials without changing their structure or composition



Forming to create a new material.



# Puna Wānanga



**How might we** make more people in our community aware of the problem of waste and get them excited about using post consumer waste to make cool and eco-friendly textile products?