



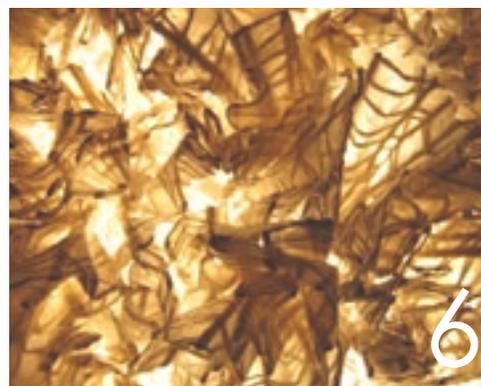
Joanna Wang

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Truck Trunk Track

Interactive Children's Toy



Trunk Truck Track is an interactive children's toy that uses birch wood patterns for assembly and deconstruction of tracks systems for toy automobiles.



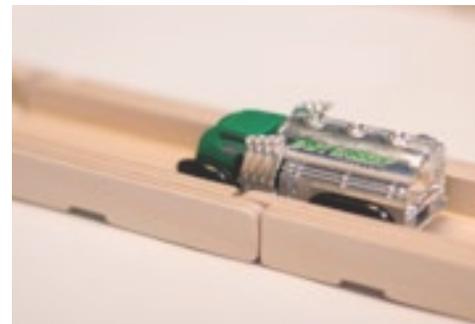
Co-creator:

Tyler
5 years old
Taiwanese Boy

Passionate about automobiles, and creating stories. Enjoys building and deconstructing his creations.

Design Team:

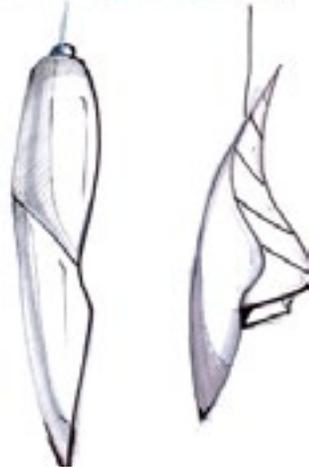
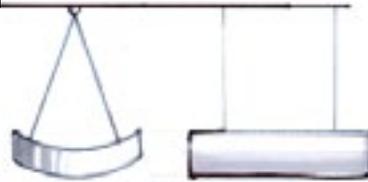
Katy Chen
Joanna Wang
Adrian Wu





Orbitanic 
Flat Pack Lighting

Ideation





Orbitanic

Flat Pack Lighting



A collaborative project with Wood-Coop on Grandville Island to design a cost efficient light made from Aircraft Plywood that could be flat-packed and assembled by the end user. The components were to be laser cut on a C.N. C machine and bent in tension. Orbitanic Light is designed to enhance the quality of living and provides a soft and cozy glow to an interior space. With its unique play on exposure , it invites and engages the audience's attention to create a whole new experience.





Furniture design for BC Women's & Children's Hospital



The design team set out to create a multi-functional furniture piece that encourages visits from caretakers and loved ones. The result is a furniture piece that improves caretaker comforts as well as the caretakers ability to aid the patient.



Joanna Wang, Henry Wang,
Jesse Mah, and Irene Schmid.

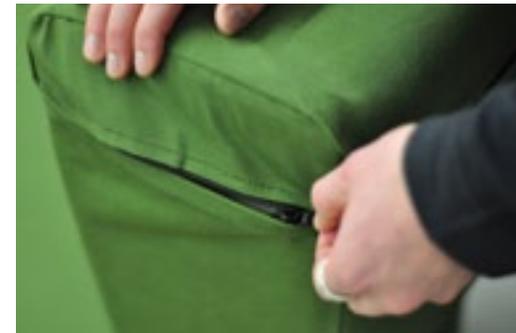


Target User

Primary users are the family of an elderly Asian female (which includes spouse, daughter, son, adult grand-daughter, adult grandson, children on special occasions); Secondary users are hospital staff, in particular care staff with housekeeping responsibilities; Tertiary users are families of patients with other age and ethno-cultural profiles.

Design Criteria

- Seat/ Bed
- Flat surface to rest objects
- Space to store personal belongings
- Ergonomically sound
- Easy to maintain and Clean

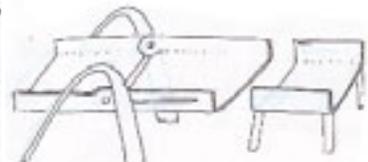
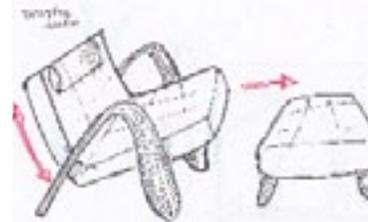
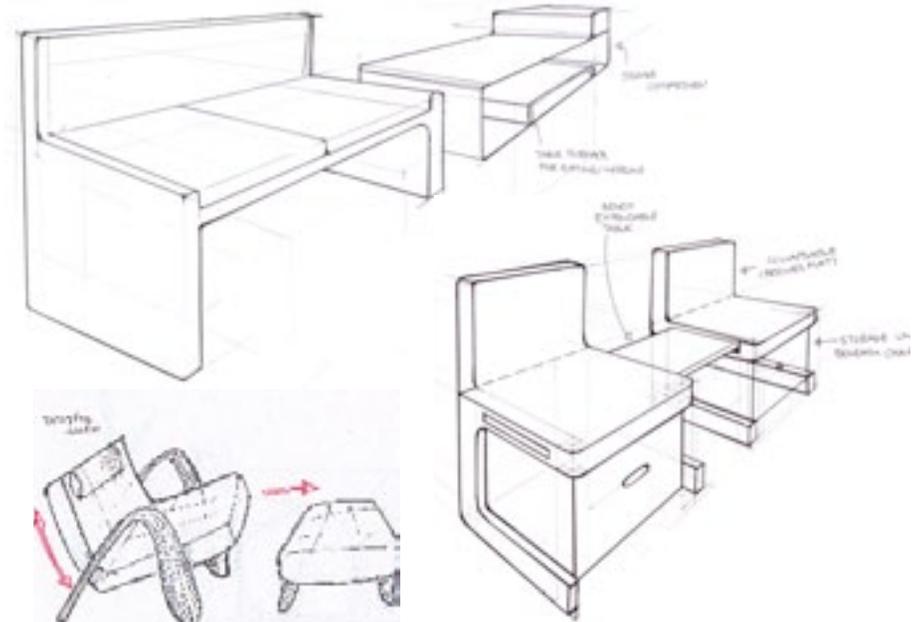
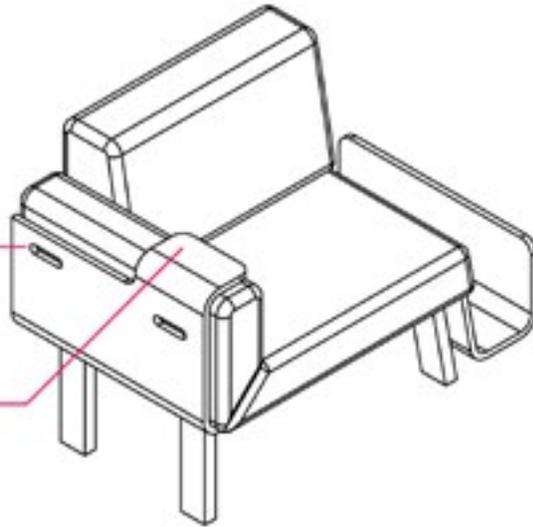


Ideation



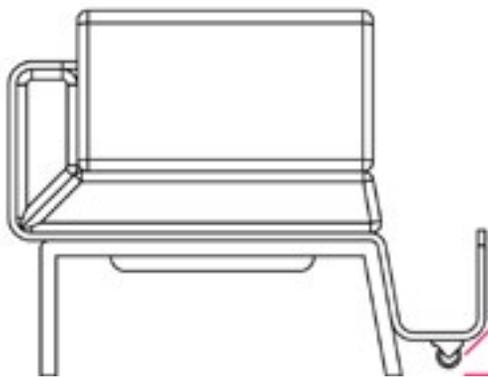
Handles for mobile control

Flat surface for support

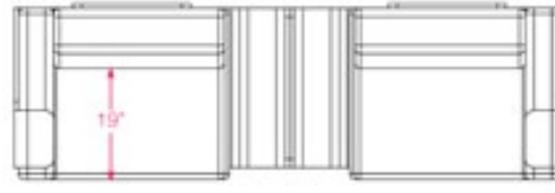
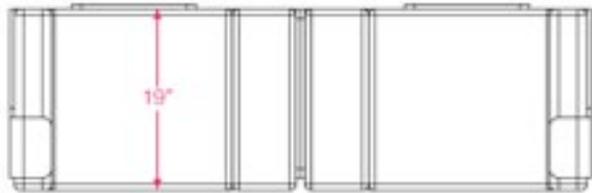
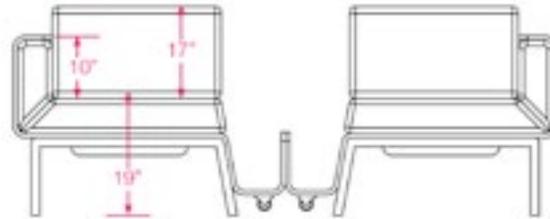


Wheels for ease of use

Raised wheel assures fixed position



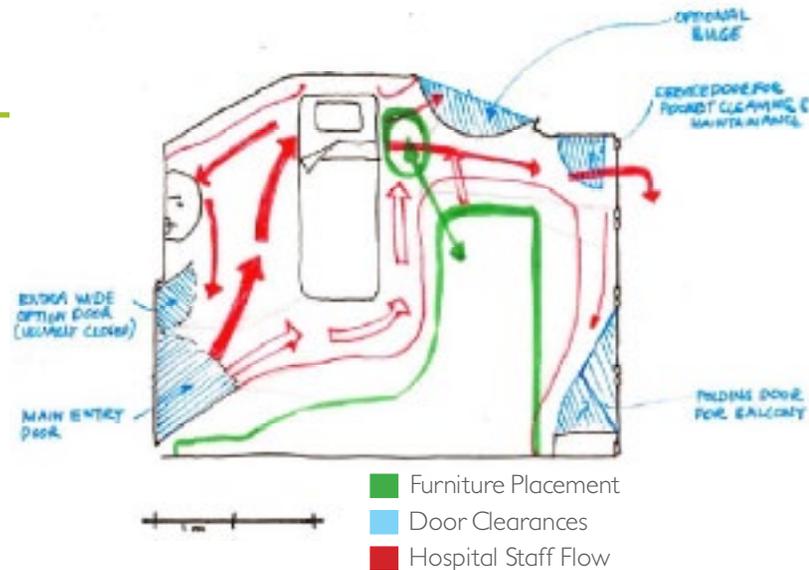
Sleep vs Seating



Crypton Fabric Samples



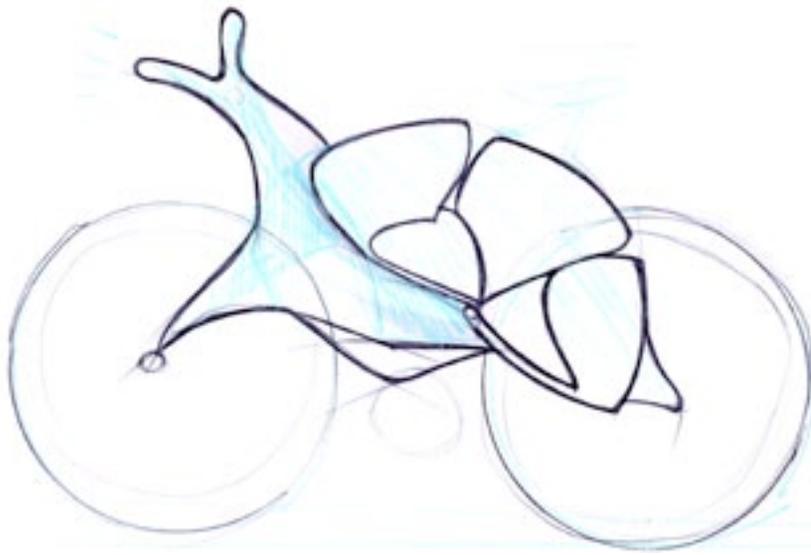
To better understand the hospital patient room, role playing different scenarios and tasks performed by doctors, nurses, hospital staff, and visitors help set guidelines on the size and dimension of the hospital care unit.



Veslow

Bicycle Design





"Slow and Steady wins the race"

Bicycle Design

A bicycle design inspired by the organic curves and forms from nature's inhabitants.



Veslow



Indoor / Outdoor Table **Linked Table**



Linked Table

Indoor / Outdoor Table

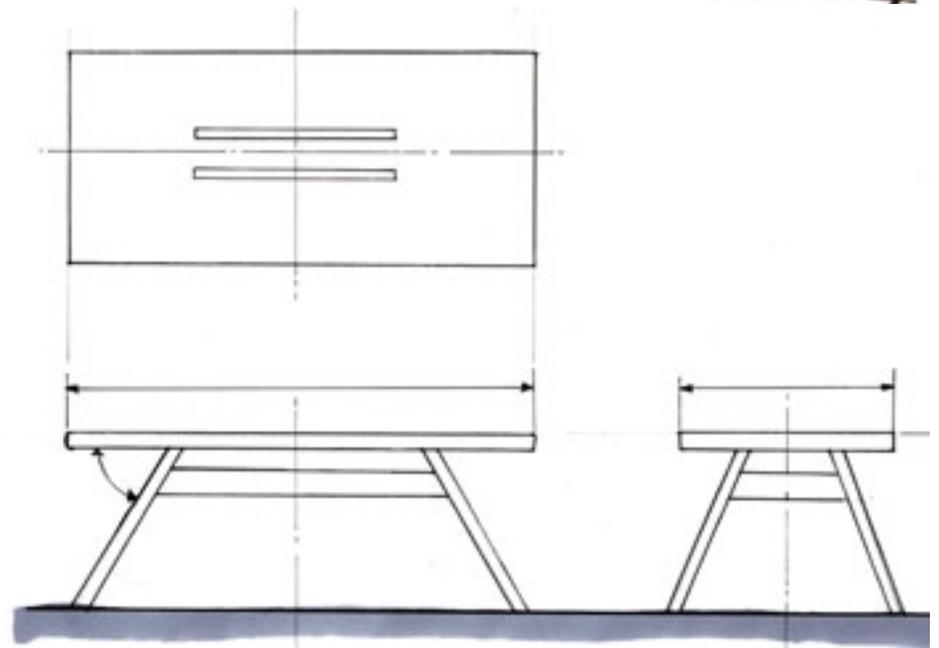
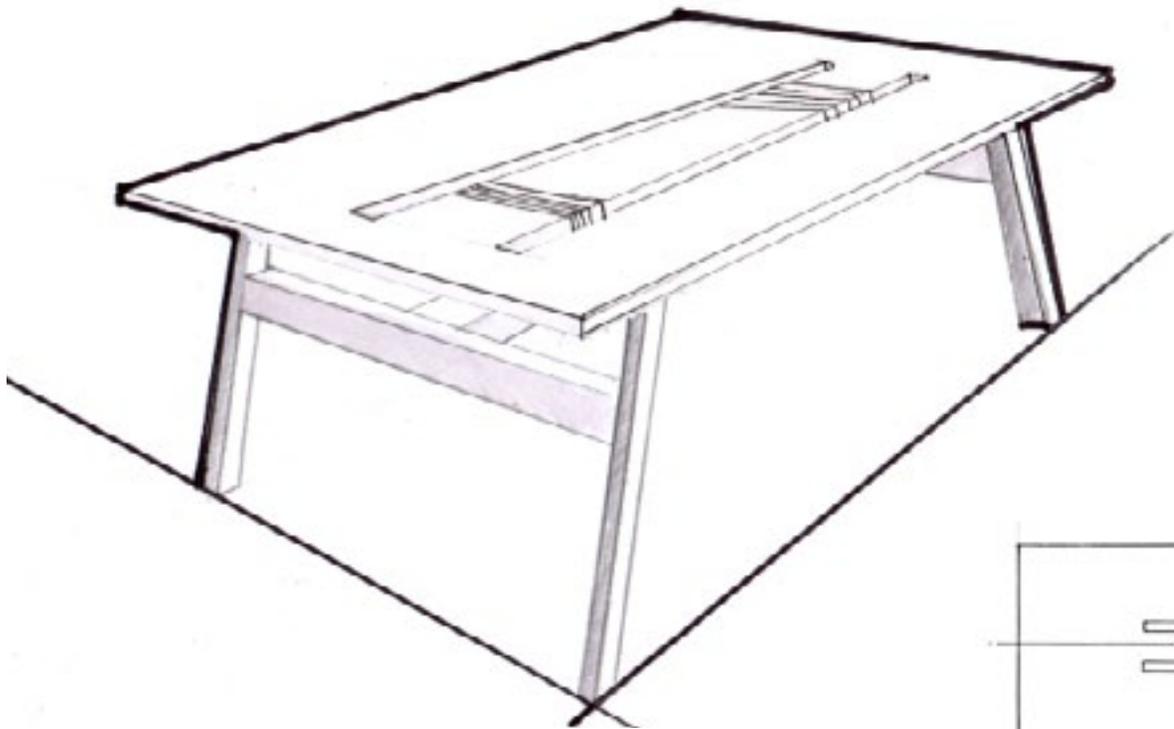
This project was a collaboration between the design team (Christine Lee, Joanna Wang, Tobias Tostesen) and 18Karat home decor. The brief called for a table design that was mobile between indoor & outdoor spaces and expandable to seat up to 16 guests.

Our aim was to create a holistic table solution with a physical and visual connection between tabletop and legs through functional rope detailing, joinery, and the use of negative space. In transportation top and bottom are apart and are assembled with rope at its end destination.

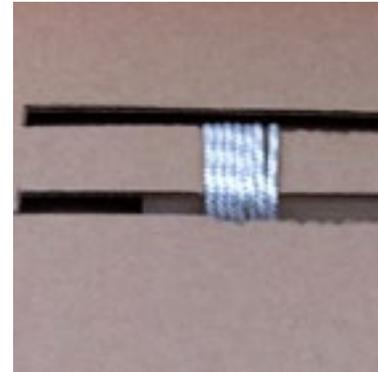
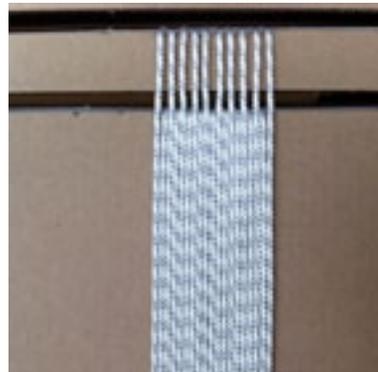
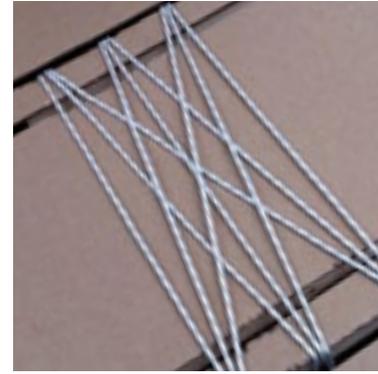
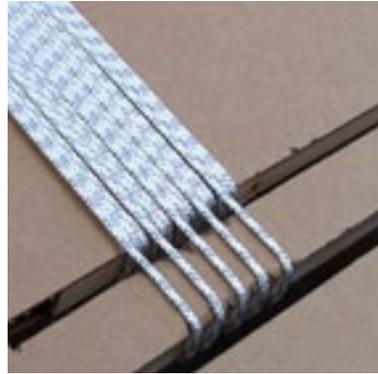
The final table design was to be sold in a retail setting for \$1700 and was constructed from locally sourced larch wood.



Ideation



Rope Exploration



Nylon Rope

The strongest ropes in common use. It absorb shock loads, lasts several times longer than natural fibres, has the ability to return to its original length after being stretched. It is also resistant to oil ,most chemicals, and ultraviolet deterioration from sunlight.

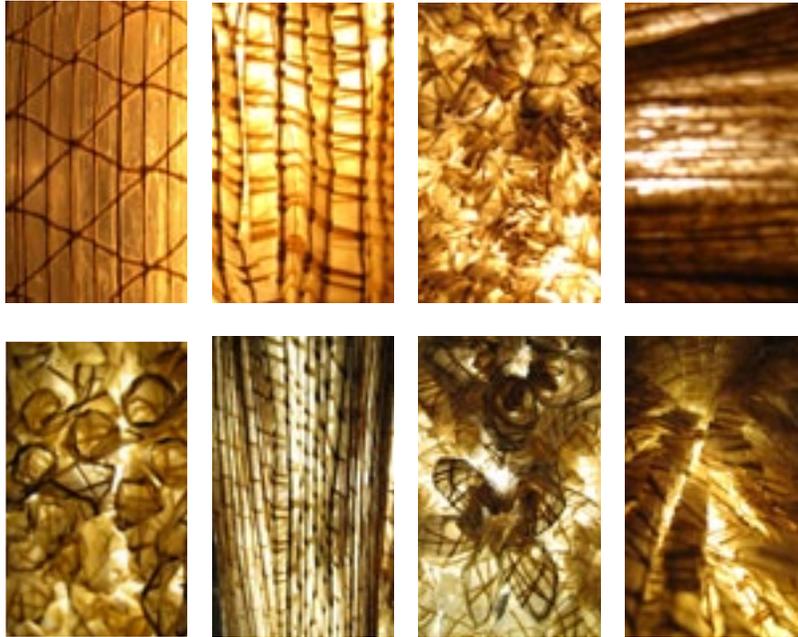


Relit

Byproduct Lighting Design

Relit

Byproduct
Lighting Design



The Design.

A series of expressive ambient lighting fixtures made from readily available byproduct material for living room spaces to draw people together and spark conversation using LED technology.



Material Exploration



Sail Cloth

Made from Carbon Fiber, Kevlar, Pentex or Polyester matrixes laminated together between Mylar films.

Pro's

Weatherproof	Thin
Durable	Flexible
Resistant	Transparent
Resilient	Versatile
Tensile	Light Weight

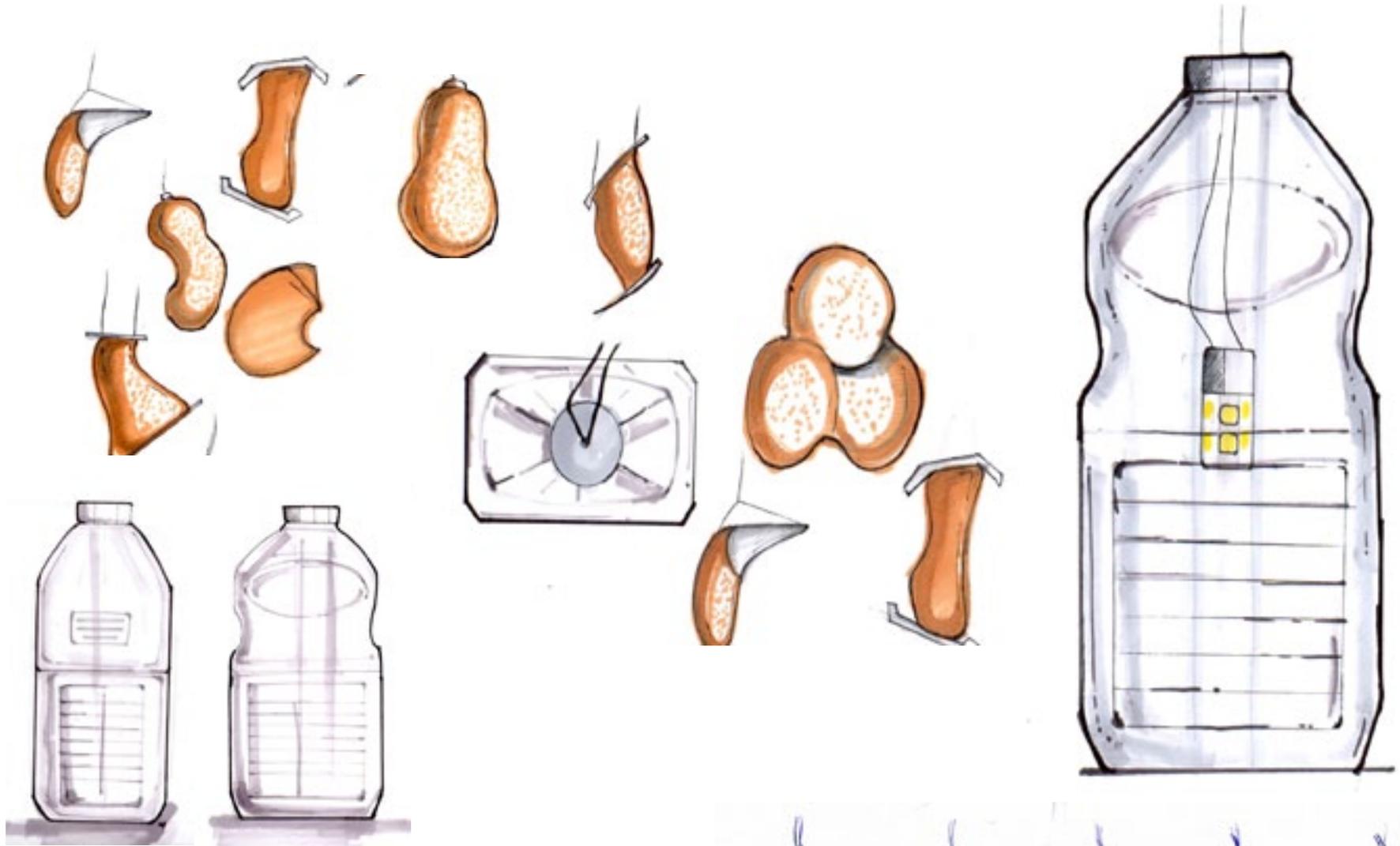
Con's

Not Biodegradable



Patterns from Nature.





Philosophy.

Combining discarded materials , diverting them away from landfills and repurposing them into new objects that end up in the hands of the original producer.



