



LEGO COLLABORATING WITH RSPB

Using Biodegradable Lego which is perfect for the outdoors, I created a collaboration with RSPB which is the country's largest nature conservation charity.

In collaboration with them I have created a new LEGO theme called "SHELTER".

This theme allows children and adults to create shelters for endangered UK species using biodegradable LEGO.



Shelter Theme Examples

Hedgehog
Status : Red

The hedgehog is one of our most familiar garden mammals but are now officially classified as vulnerable to extinction

Seldom seen during the day, their nocturnal wanderings take them through several gardens in the evening, where they feed on a variety of invertebrates such as snails and slugs, beetles, caterpillars and worms.



Hazel Dormouse
Status : Red

Dormice are hanging on mostly in southern parts of England and Wales. National monitoring shows the population has declined by half since 2000.

Changes in woodland management, farming practices and loss of hedgerows have all taken a heavy toll on their living space, as well as climate change.



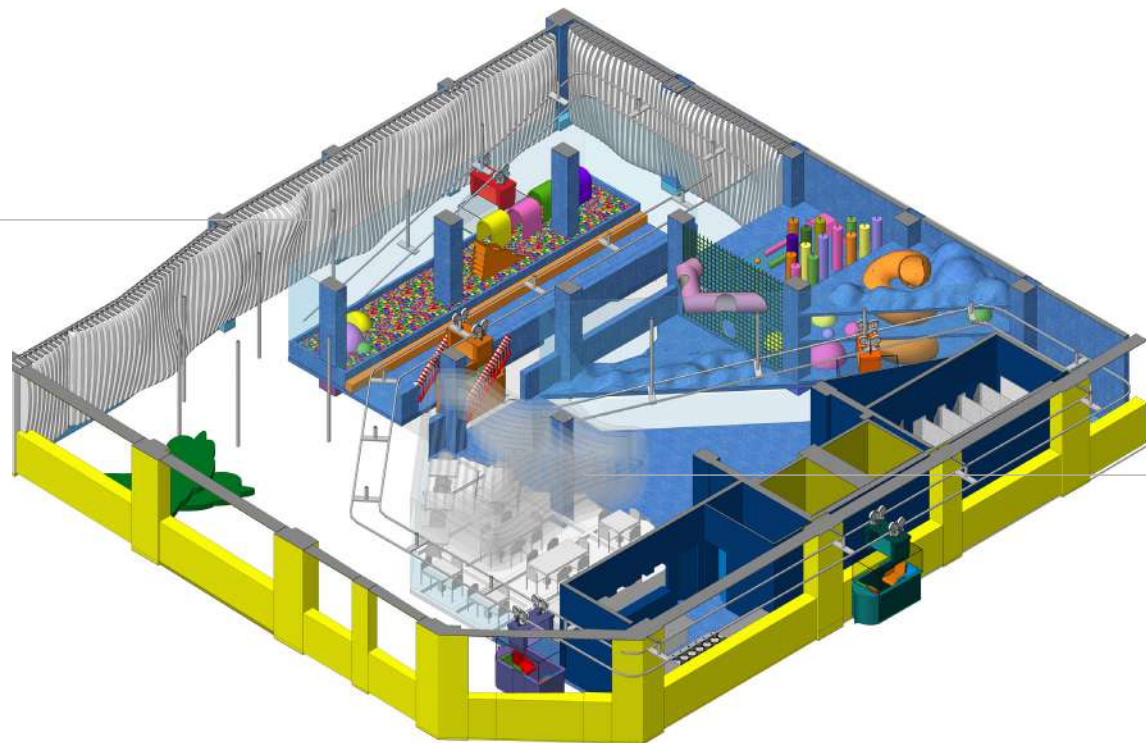
Grey Long Eared Bat
Status : Red

There is evidence that Grey Long Eared Bat was more abundant and widespread in prehistoric times, and its decline is probably due to the loss of ancient deciduous woodland since then. Today, it is one of Britain's rarest resident mammals.

Their habitat consists of mainly woodland but also found in parklands, orchards and gardens.

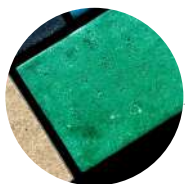


Ecoacoustic Panels
Acoustic panels made from a composite of pine needles, natural binder and eco-friendly flame retardant.



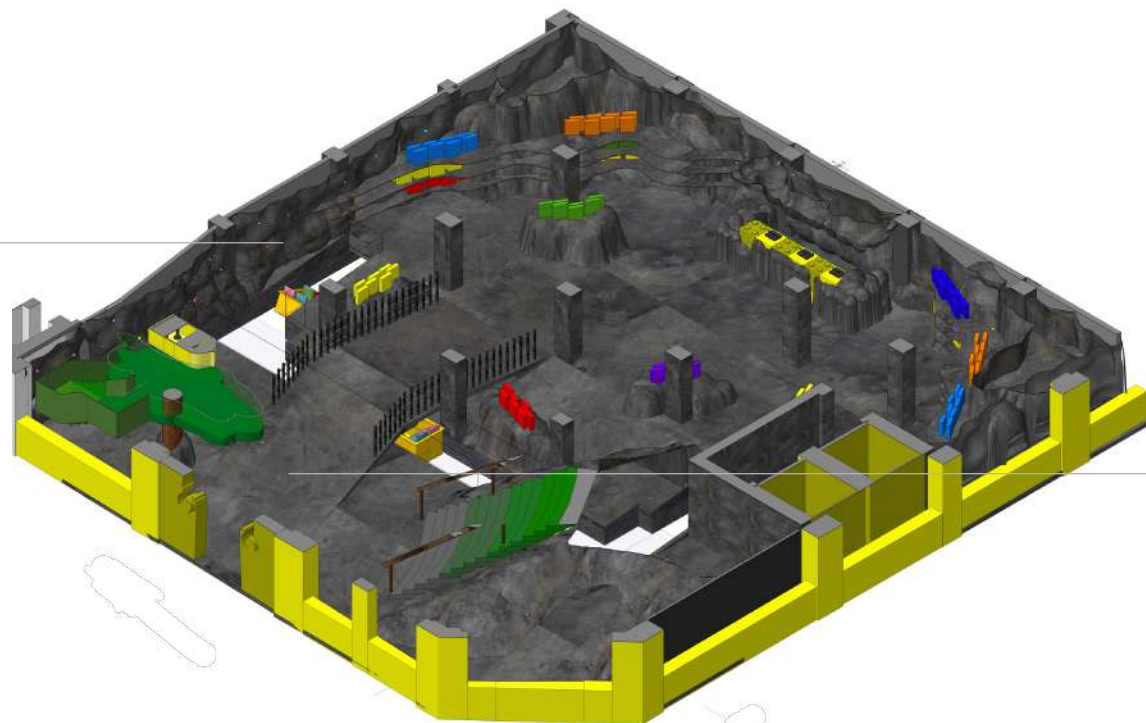
MarinaTex Plastic
Plastic made from waste fish and can be used instead of plastic film. It is translucent and stronger than LDPE at the same thickness.

Parblex by Chip[s]board
Fibre reinforced bioplastics made out of potato waste. Compatible with injection moulding, 3D printing, milling and other industrial processing techniques.



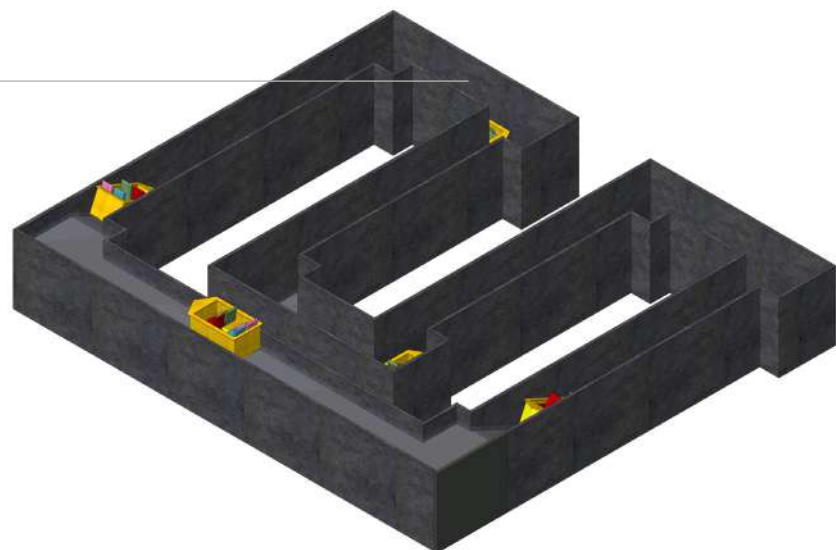
Cocolok by Enkev
Natural fibres are collected from the coconut husk and are very tough yet elastic. The structure also absorbs sound making the material excellent as a thermal and acoustic insulation product.

Spray Concrete
Application to any elevations as sprayed concrete adheres immediately and bears its own weight. Can be applied on uneven substrates with good adhesion to the substrate. Totally flexible configuration of the layer thickness on site.



Sea Stone by Newtab-22
Stone made with discarded sea-shells from aquaculture industries.

COCOA 01 Tiles by Paula Nerl
Vegan, Biodegradable, Water-Repellent solid Made with 40% waste from industrial chocolate production. Can be remoulded several times without material loss with low energy usage Shows strong potential for 3D-printing



Creating an escapist experience from the reality of Shoreditch, with a firm grasp in circular economy, the LEGO-verse aims to connect, educate and entertain all walks of life, regardless of whether they have experienced the brand previously or not.

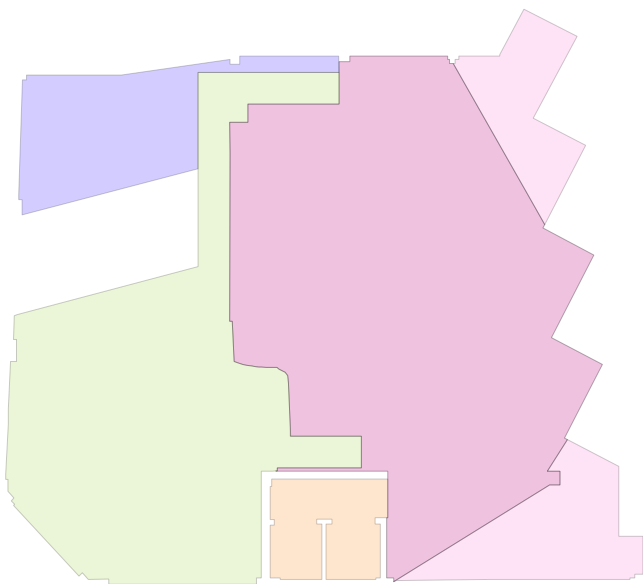
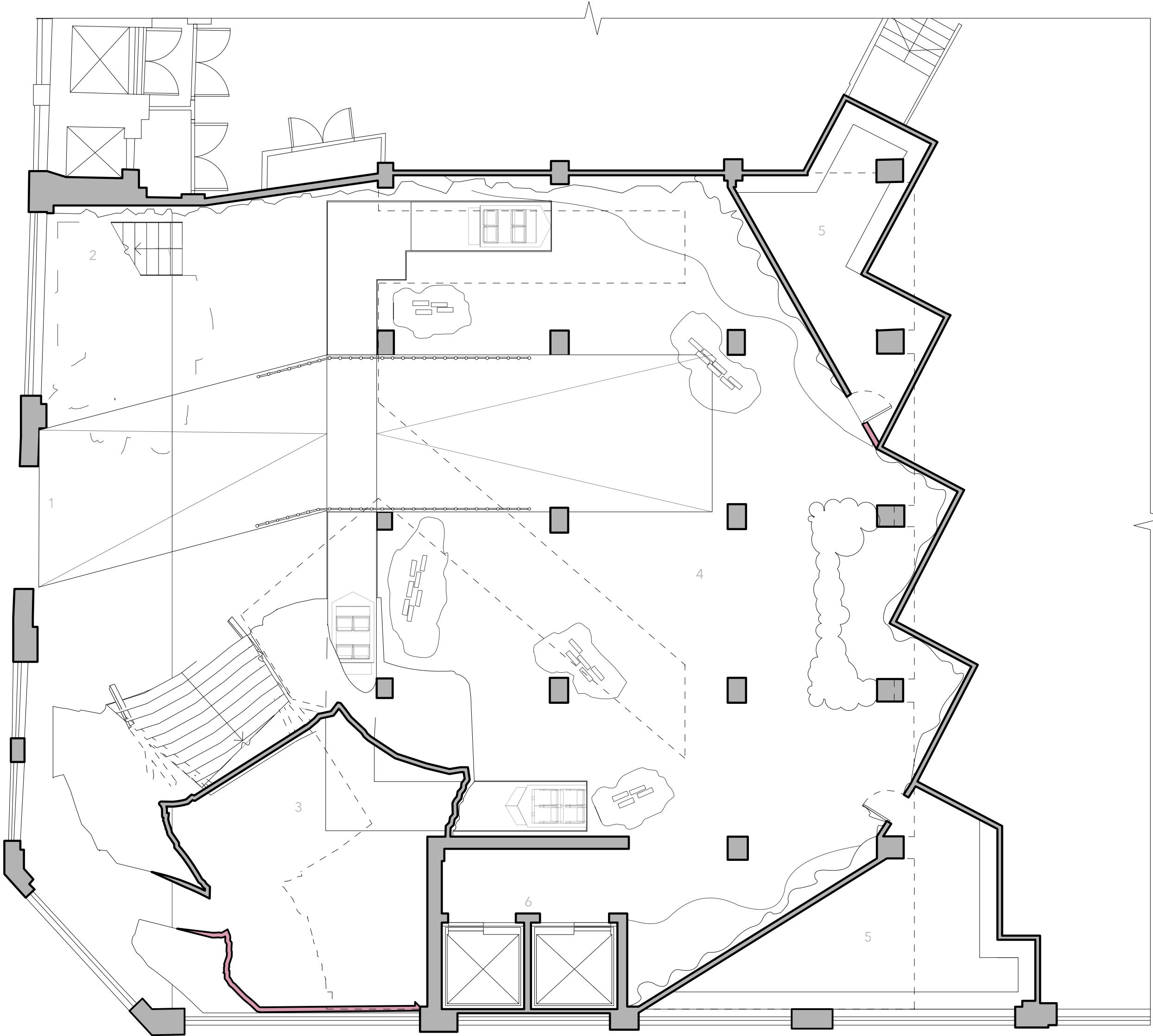
The space encompasses the history of Lego, while also proposing what Lego could become. As well as the original products sold by Lego, customers will be able to experience new cutting-edge workshops to create their own bioplastic product. Through demonstration and unique interactive experiences, the LEGO-verse is the first Flagship of its kind, providing more connection and interaction then can be achieved online, benefiting children and adults alike. Dividing the spaces into levels of the natural world allows customers to walk into a whole new realm, and by making purchases, they collect tokens of the adventure that they have had, and will remember.

Proposed | Plan | Ground Floor

1:100 at A2

KEY:

- 1 Entrance
- 2 Cable Car Platform
- 3 Water Ride
- 4 Shop
- 5 Storage
- 6 Lift



- Shop Area
- Storage
- Water Ride
- Cable Car Ride
- Lift

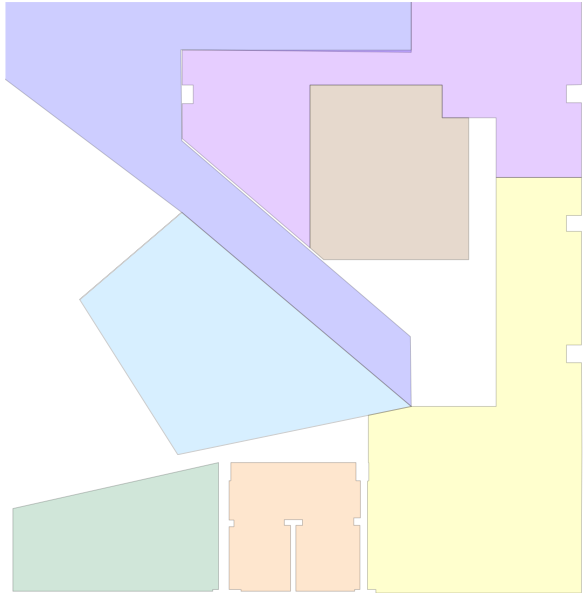
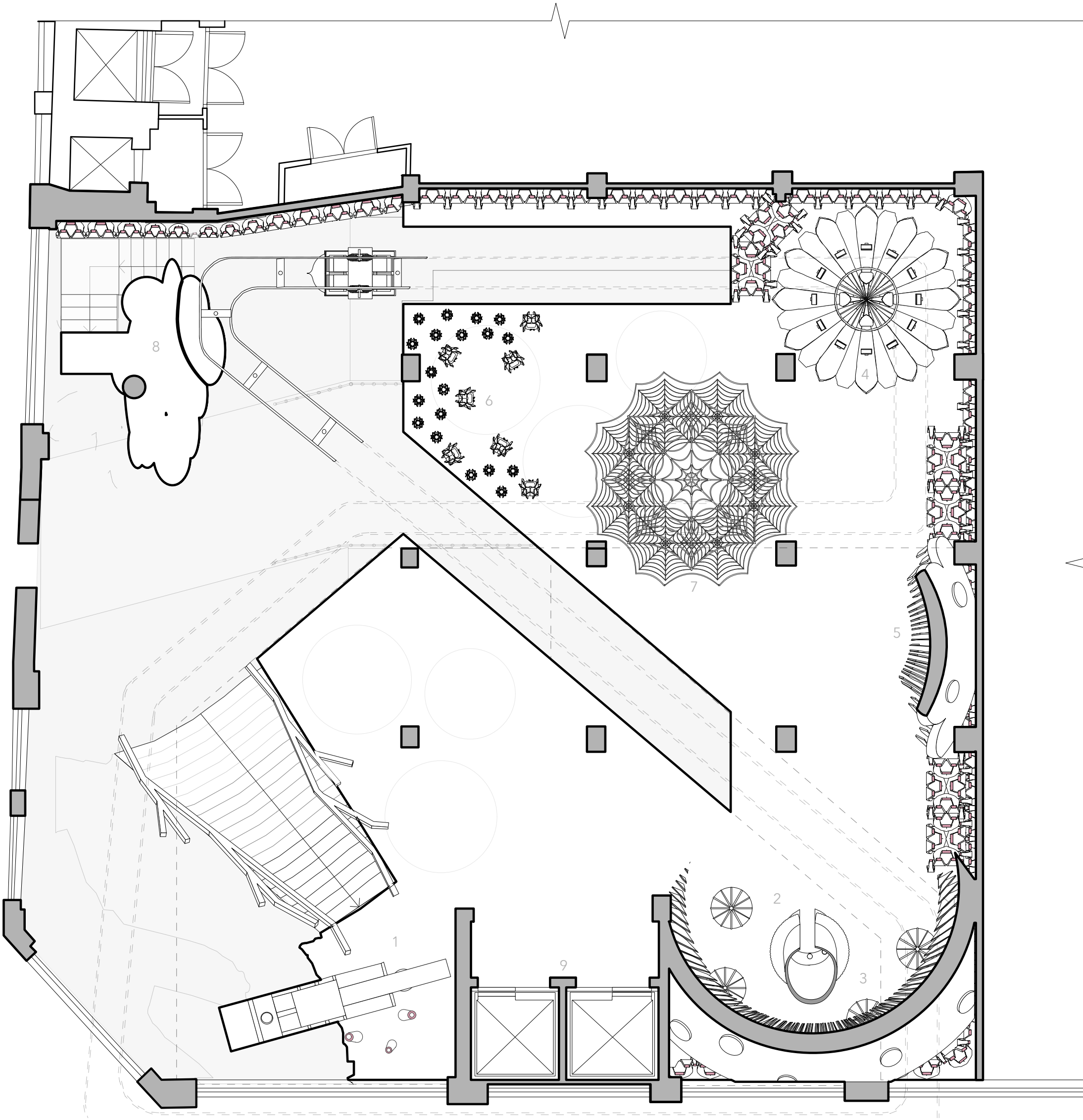
Proposed | Plan | First Floor

LEGO FLAGSHIP

1:100 at A2

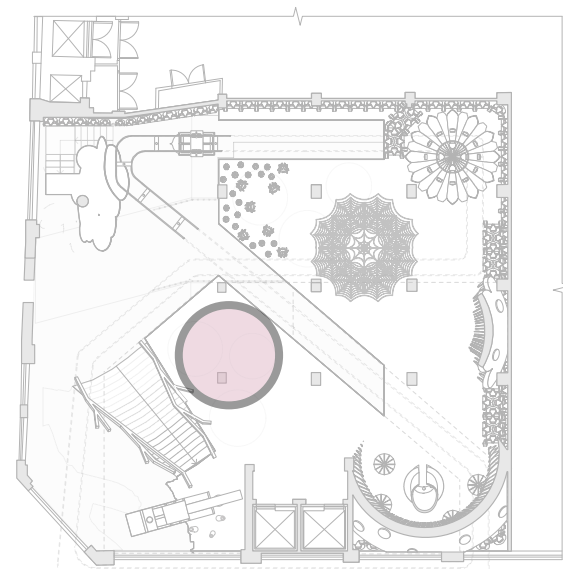
KEY:

- 1 Press Moulding Bio Plastic Demonstration
- 2 Silicone Mould Making Workshop
- 3 Bioplastic Workshop
- 4 3D Bio-Printing Design Workshop
- 5 Cooling Rack
- 6 3D Printer Garden
- 7 Spider Climbing Frame
- 8 Cable Car Platform
- 9 Lift



- Spider Climbing Frame
- 3D Bio-Printing Design Workshop
- BioMaterial Workshop
- Presentation Space
- Press Moulding Bio Plastic Demonstration
- Cable Car Ride
- Lift

Visual of Presentation Space overlooking Cable Car Journey and 3D Printer Garden on the First Floor

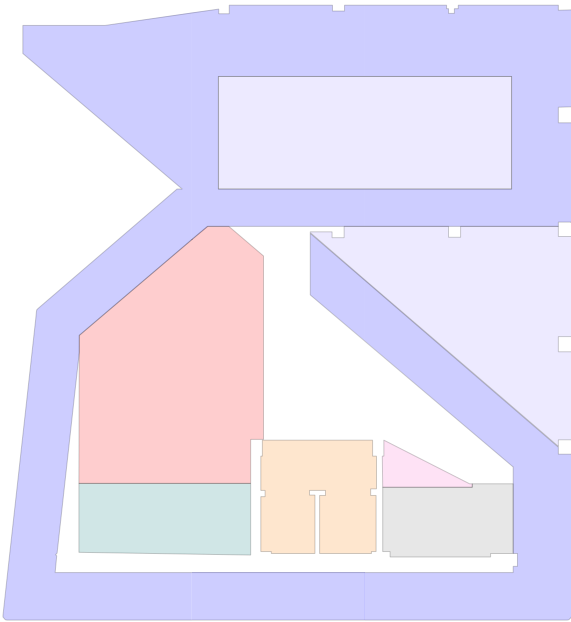
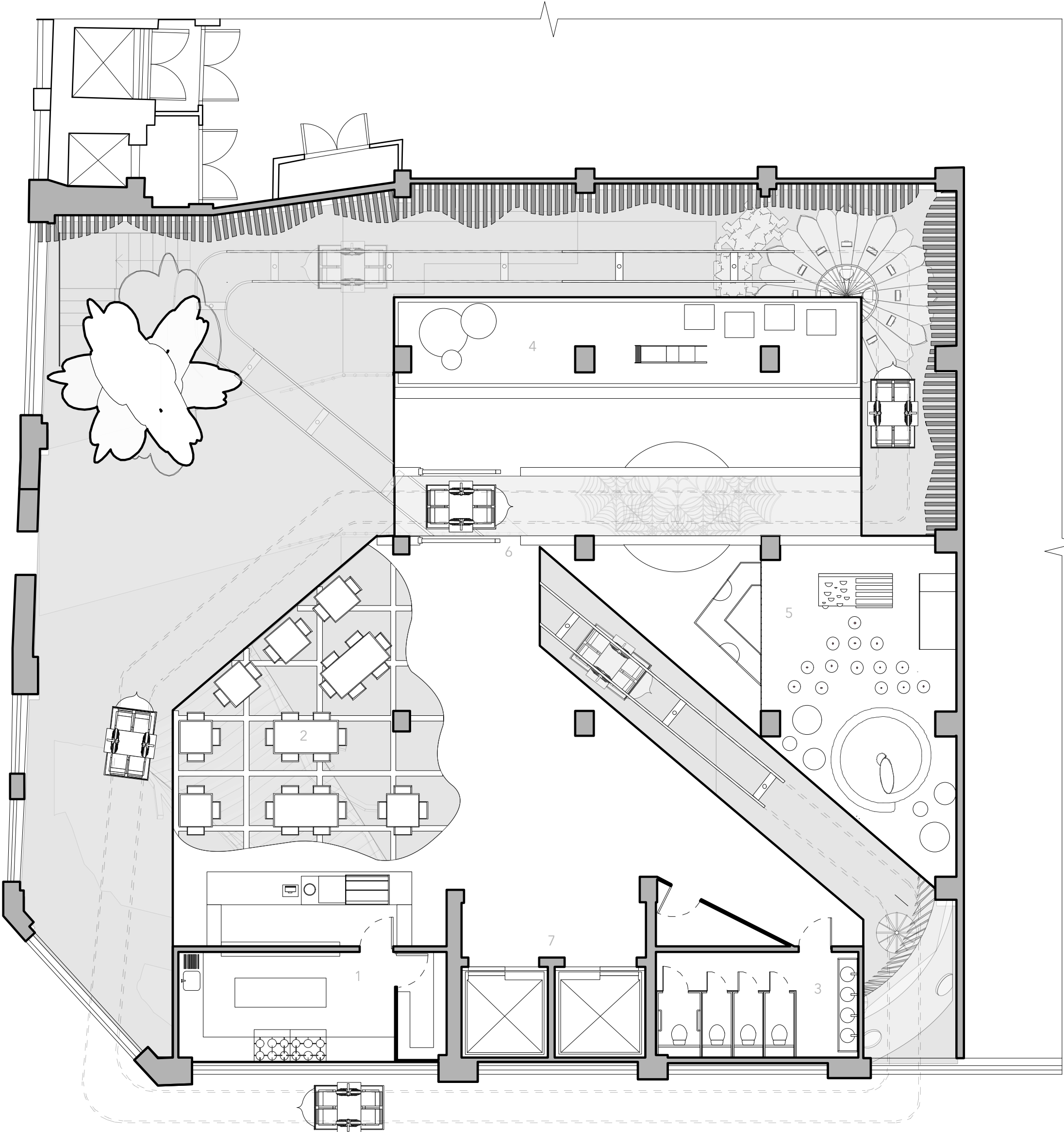


Proposed | Plan | Second Floor

1:100 at A2

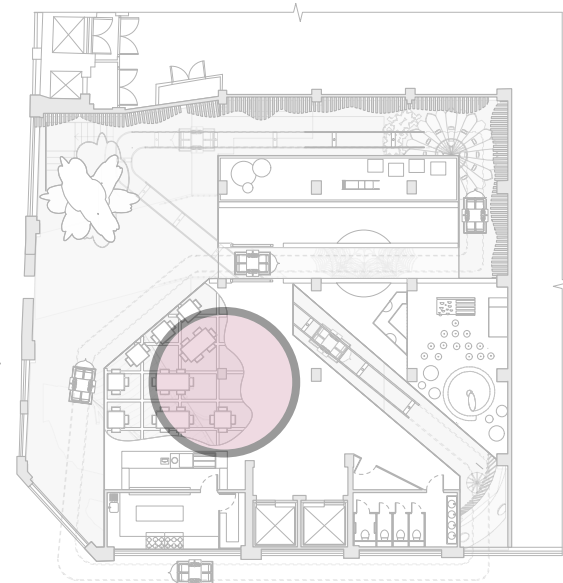
KEY:

- 1 Cafe
- 2 Seating Area
- 3 Toilet
- 4 Toddler Soft Play Area
- 5 Childrens Soft Play Area
- 6 Cable Car Crossing
- 7 Lift



- Children Soft Play Area
- Cafe Area
- Toilets
- Kitchen
- Storage
- Cable Car Ride
- Lift

Visual of Cafe space and Cable Car crossing on the Second Floor

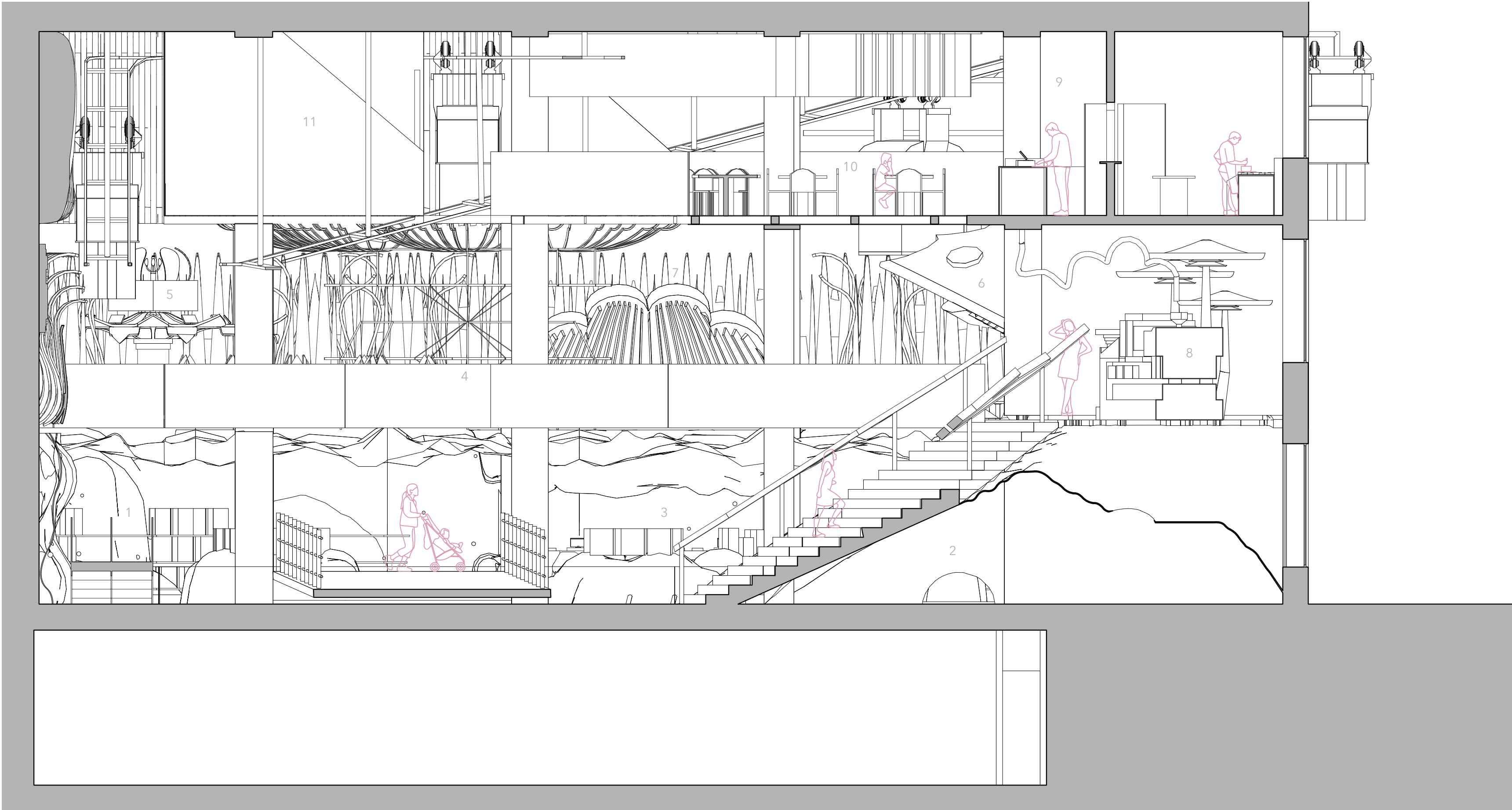
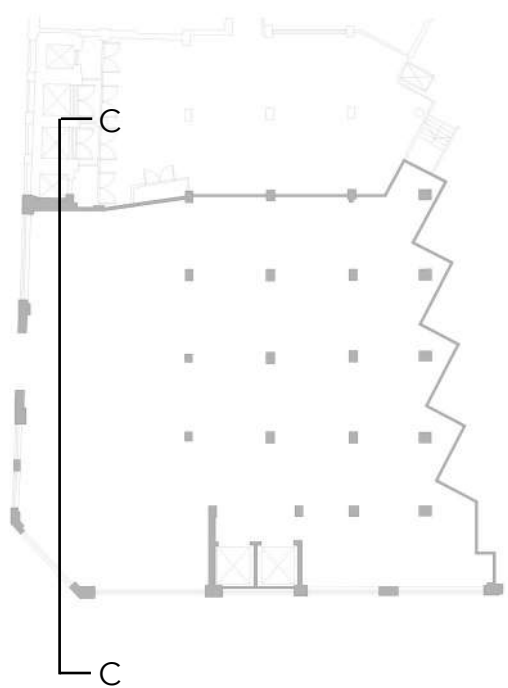


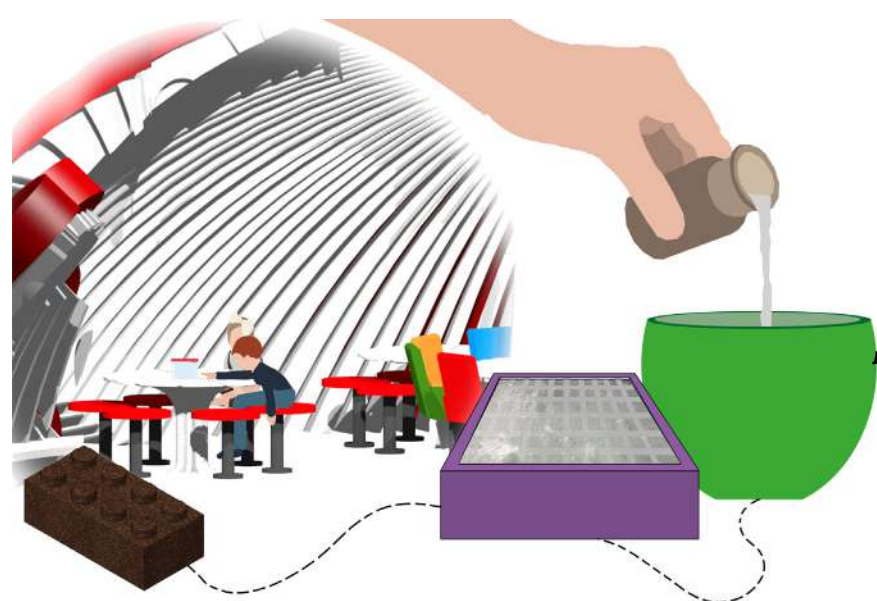
Proposed | Section CC

1:100 at A2

KEY:

- 1 Cable Car Platform
- 2 Water Ride
- 3 Shop
- 4 Spider Climbing Frame
- 5 3D Bio-Printing Design Workshop
- 6 BioMaterial Workshop
- 7 Cooling Rack
- 8 Press Moulding Bio Plastic Demonstration
- 9 Cafe
- 10 Seating Area
- 11 Toddler Soft Play Area





**Silicone Mould Making Workshop
(Ages 7+)**

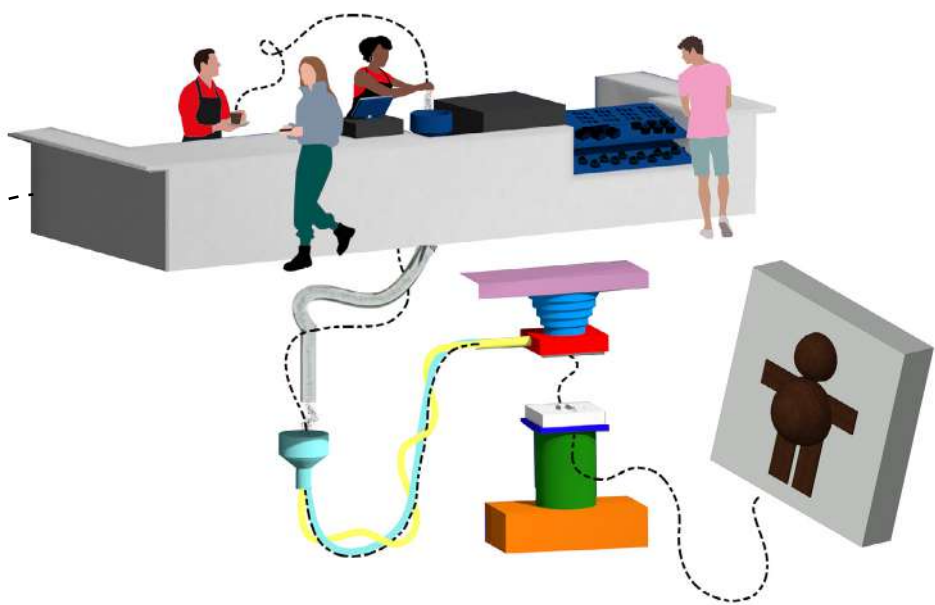
Facilities Needed: Table,
Drying Table

Ingredients: Ingredient A +
Ingredient B + Cup + Mixing



**3D Bio-Printing Design Workshop
(Ages 12+)**

Facilities Needed: Table, Computer,
3D Printer



**Press Moulding Bio Plastic
Demonstration
(All Ages)**

Facilities Needed: Press Moulding Machine

**Bioplastic Workshop
(Ages 7+)**

Facilities Needed: Table, Hob, Drying
Table, Ingredients
Distributor

Ingredients: Gelatine + Glycerol +
Water + Solids

