

## CAD to Hand – Cardboard City

*Young people align their sense of self with the constructors and makers of the world*

**Overview** - A compelling, organic architectural work is installed in school halls, museums or other public venues. This creates a focus that inspires young people and families to engage in the design and build of their own personal social spaces.

The process borrows forms from nature and challenges ways of building and ways of implicating stakeholders in design.

Volunteer engineers, architects and designers are engaged with small teams of participants.

The concept of colonising a planet using a new and environmentally sustainable architecture and material is fun and full of more urgent messages which are explored through the workshops.

### Activities

1. **Installation - ECO HQ** ( approx 2 .5m tall /5m diameter)  
Organic architectural form designed digitally and built from high grade white recyclable cardboard. This is prefabricated for the site by 'Artstation' who specialise in this type of work.  
**ECO HQ** can be entered and creates a meeting point and planning space for visitors  
Example images below
2. **Workshops** -Young people, families and school groups use the materials to participate at a variety of levels from -
  - **Eco Huts 1** - readymade 'flat packs' completed in 30 minutes – *"wow we can all get inside"*
  - **Eco Huts 2**- personalised design and build activities over a day/two days - *"this is our own personal and social space "*
  - **Eco Hats** - takeaways – *"we made them down the park/gallery go and see"*

The spaces created will build up as a colony around the installation. Depending on the time commitment from the participants we equip them as -

- Designers who personalise the ready-mades.
- Young engineers and architects with the skills and understanding to calculate flat shapes that will come together as the three dimensional spaces they are imagining.

### Additional information –

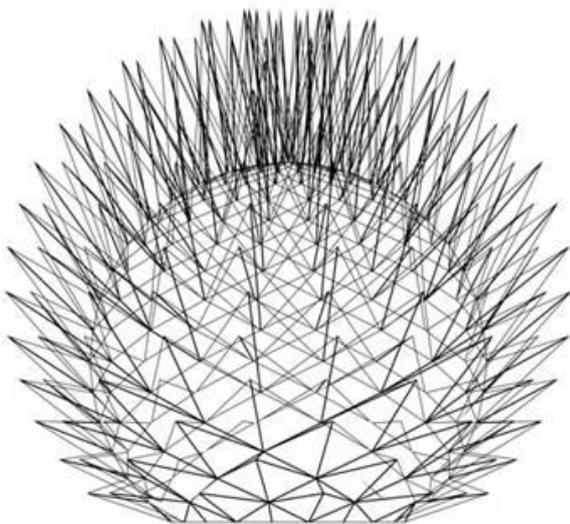
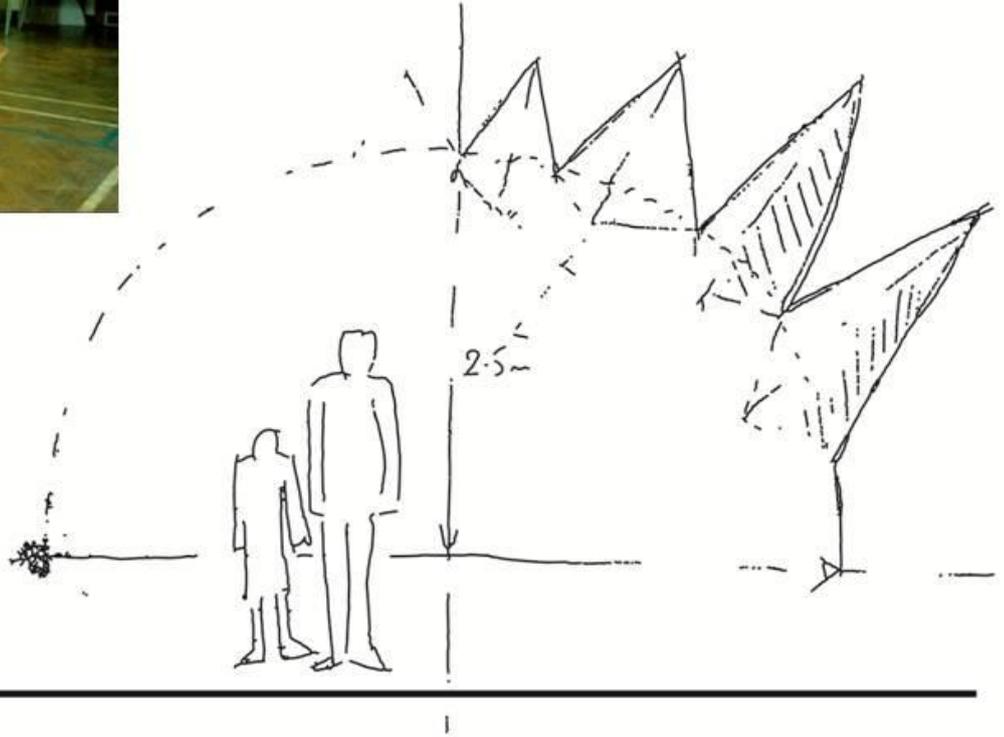
- Materials - The cardboard is 100% recyclable and we work in association with DSSP Packaging South West.
- The installation is Waterproof but would benefit from some cover in heavy rain/wind.
- A meeting point is generated by the installation but participants will require some shelter from sun and rain to work under.
- Documentation is completed by the team involved and can be supplied electronically as a lasting legacy.
- Completing the form as a permanent construction is an option but requires additional funding.



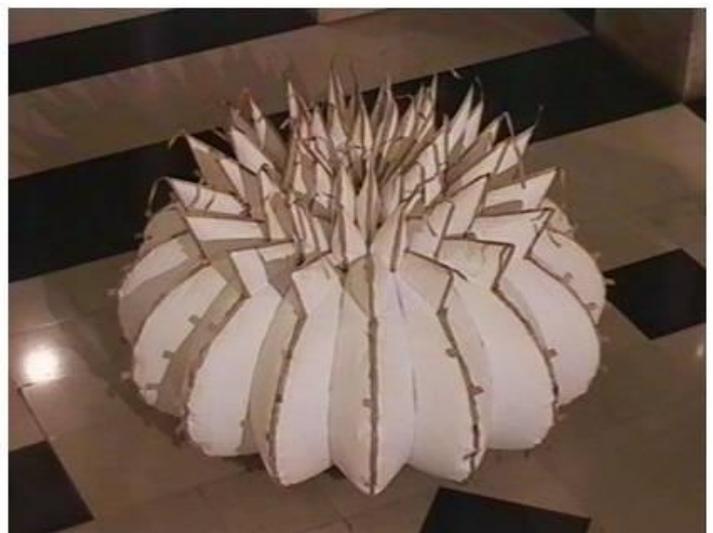
Drawing for Altern8media

concept : **Spiked Dome Installation**  
using waterproofed recyclable  
cardboard

Creating a spectacular architectural space for site to inspire and focus.



CAD Pine



Paradise Fruit  
National Museum of Wales





Flotaxia : Stuttgart Expo.  
Germany



Workshop Activities:  
A colony of related forms



