

Dougal Cusack Brown

**Chatham Mussel Project: From Dockyards to Dining Tables, Cultivating Community Through Sustainable Rivers.**

Chatham, rich in history but facing modern challenges, needs a fresh approach to foster community cohesion and health. I propose creating a sustainable food and community hub. This space will feature zero input mussel farming to provide a healthy food source and improve the River Medway's health. It will offer educational and collaborative activities like growing, fishing, cooking, and nutrition workshops & highlighting Chatham's diverse culinary traditions. Facilities will include a community kitchen, pantry, cooking school, and market, along with relocating the Rochester Oyster and Floating Fishery closer to town. Mussel shell waste will be re-purposed to build community infrastructure. This hub aims to bridge the divide between the docks and town, promote healthier eating, and foster environmental stewardship, cultivating a new sense of pride and identity for Chatham.



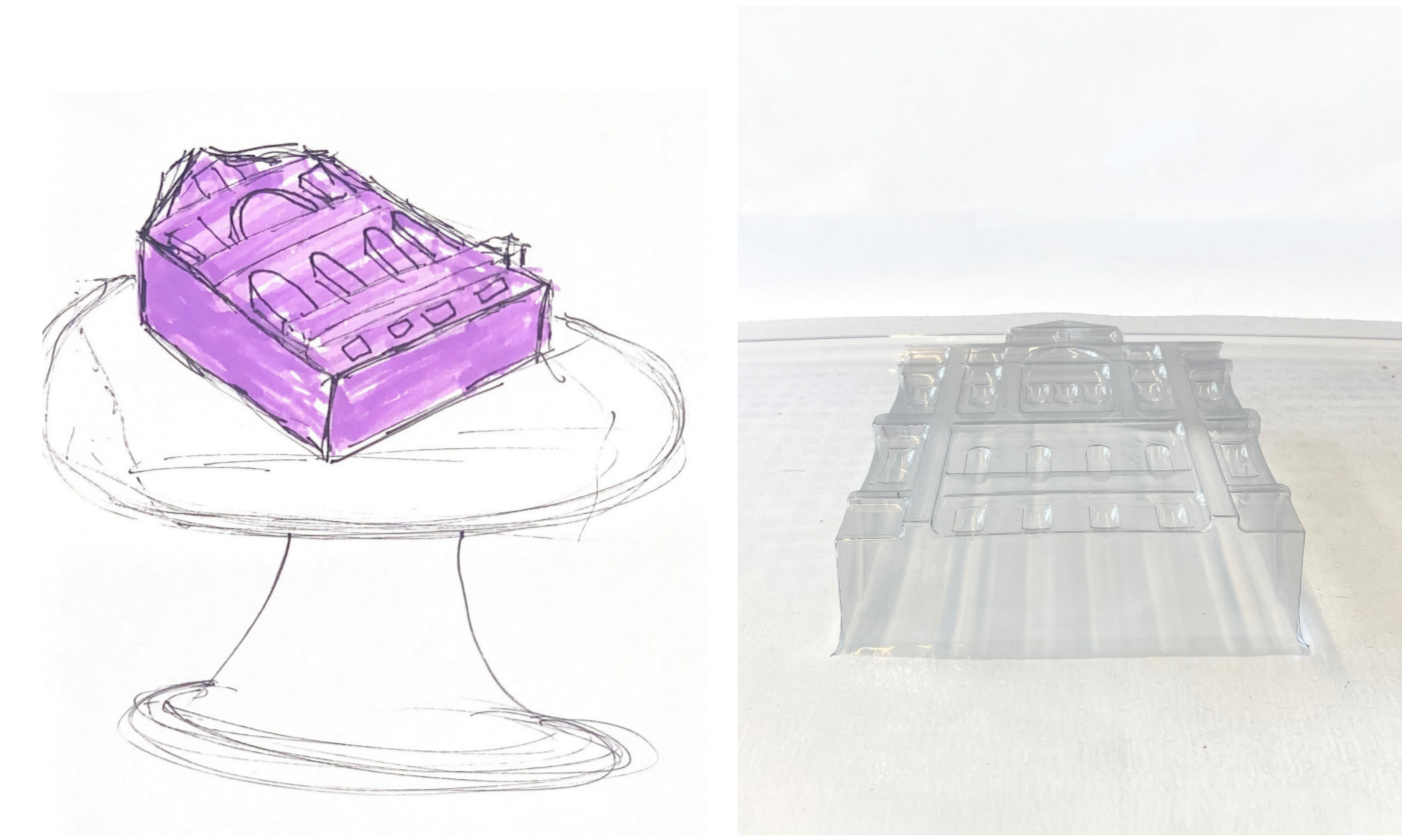
# Jelly Chatham Souvenir



In creating a Chatham souvenir, I aimed to address the town's issues with food and its relationship to health while injecting fun and vibrancy. Inspired by Chatham's rich architectural history, I decided to model one of its iconic buildings in jelly. This playful twist combines historical charm with a novel approach, showcasing exceptional care and skill.

The goal is to bring colour and joy to Chatham, acknowledging its complex relationship with food and inspiring positive change. The chosen building, significant to Chatham's heritage, serves as the jelly sculpture model, effectively communicating both interior and exterior spaces. Jelly, selected for its colourful and playful nature, is used in an innovative way to model architecture.

This edible architectural model metaphorically represents the town's food relationship, offering a fun way to raise awareness without negativity. By selecting an architectural icon, the souvenir celebrates Chatham's history and beauty, engaging people with its design. The jelly model encourages interaction and serves as a memorable keepsake, suitable for local events and sparking conversations about food health and community well-being.

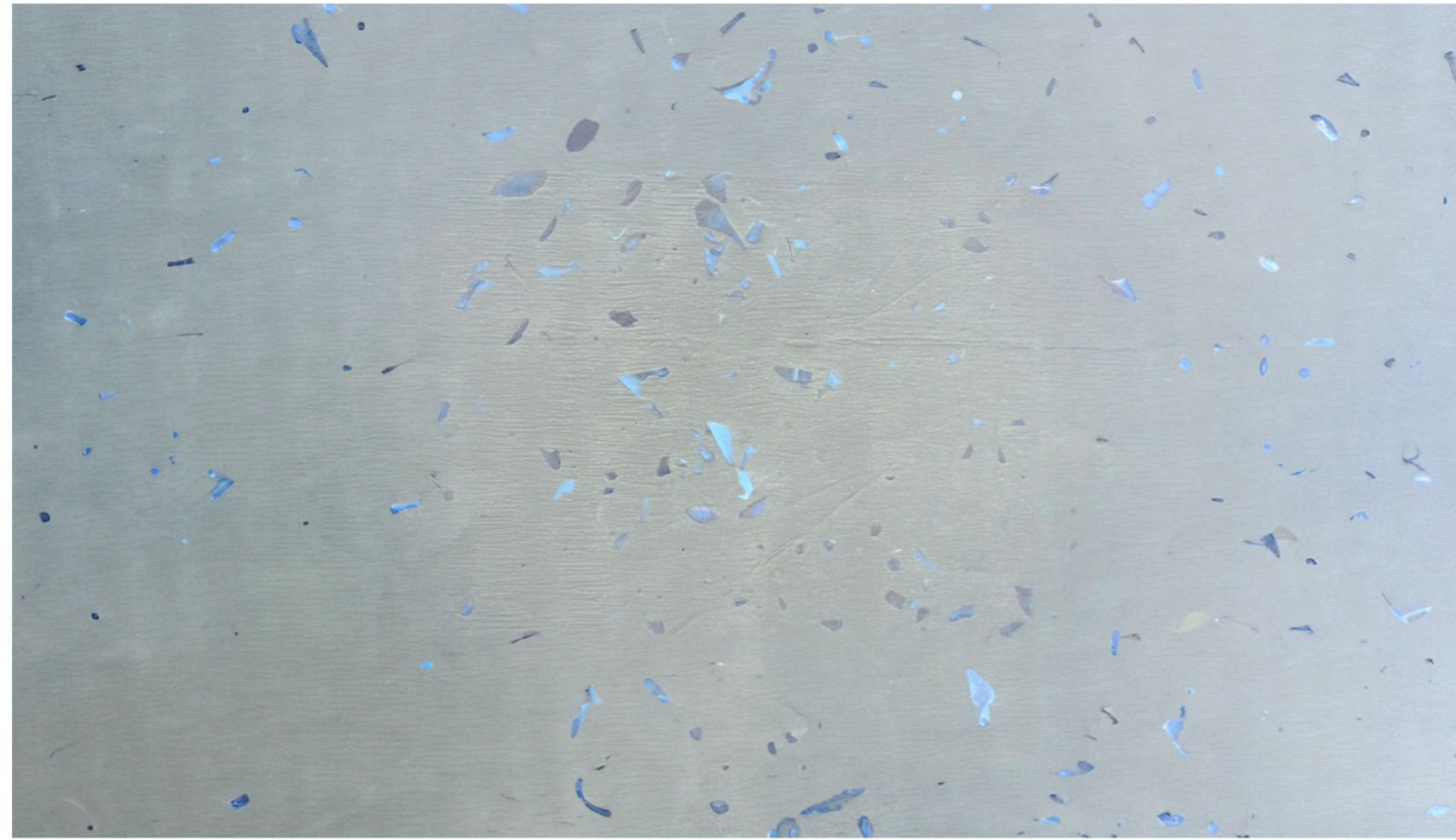


Jelly Making Process





# Mussels To Building materials.



As mussel farming and consumption are central to our site's activities, it's crucial to consider what happens to the leftover shells. Local Works Studio, located in Lewes, East Sussex, has innovatively used oyster and other shellfish shells to create new building materials. Their proximity, just 61 miles away from our site, offers significant environmental benefits and supports local initiatives. Inspired by their work, I've developed my own shell concrete using mussel shells. This concrete serves both a decorative purpose and mimics the terrazzo style tiles. It will be applied to the exteriors of the new structures, further integrating sustainability and local craftsmanship into my project.

The innovative use of jelly to model architectural spaces informed my approach to using mussel shells in concrete. Both processes involved transforming unconventional materials into functional and aesthetic architectural elements, demonstrating how creativity and sustainability can be harmoniously integrated. This parallel in design philosophy underscores the importance of using local resources innovatively to address environmental issues while celebrating cultural heritage.



Mussel and Oyster shell tiles.



Material Pallet For Scheme.



View Of Scheme Showing materiality