

lying through your teeth

'Lying through your Teeth' is a set of sculptural mechanisms inspired by the intense & personal conflicts of bruxism also known as the grinding of teeth.

The contrast within thin fragile walls of the red earthenware crammed between the heavy solid bronze plays into the physicality of teeth and jaw muscles expressing the behavioural habits and main causes of the condition which is tension and stress.

These emotions relate towards personal teenage memories of finding areas of retreatment and socialising with others around the chosen site of Boylestone Quarry. Having areas of retreatment as a teenager is incredibly common and is a solution to gather and socialise to withhold areas of stress and conflict.

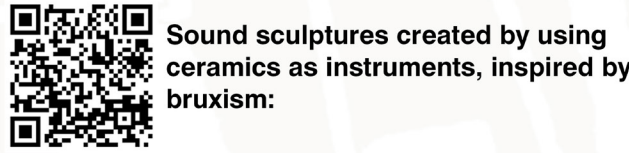
This is an immersive project that creates a theme of identity emotionally through objects, sound & materiality. It connects to people personally through the unfamiliar experiences of bruxism.

The final objects inspired the role of placemaking at a greater human scale.

Thesis video:



The experimental sounds create an emotional quality in which connects with people, developing a connection to the objects, materiality and sounds to create a vision into the perspective inspired by the stressful & painful experiences of bruxism to create an uneasy relatable scenario.



WHAT IS BRUXISM!?

Bruxism is repetitive muscle activity, characterised by clenching, grinding, bracing or thrusting, with or without tooth contact. Signs and symptoms suggestive of bruxism include, reported clenching/grinding habits, indentations and/or traumatic scratches of intra-oral soft tissues, evidence of occlusal wear or fracture of the dentition/restorations. Bruxism which occurs during sleep is termed sleep bruxism, and most commonly presents as grinding. When present in the day it is defined as awake bruxism and most commonly involves clenching. Interestingly it seems that individuals either present with awake or sleep bruxism and not both conditions.

HOW COMMON IS BRUXISM!?

"Variable in literature, but from what I can see in the literature, up to 30% of population."

Plaster is then poured over the wax.

The plaster & wax is placed into the kiln to melt the wax leaving the forms that were once there.



Molten bronze pour into the plaster cast.



'Lying through your teeth' is a play on words in which takes inspiration through the spatial habits of sleep from dealing with teeth grinding.

Lost Wax Casting

I wax sculpted in black wax, then wax welded them on to a wax casting tree.



Wax sculpted forms.

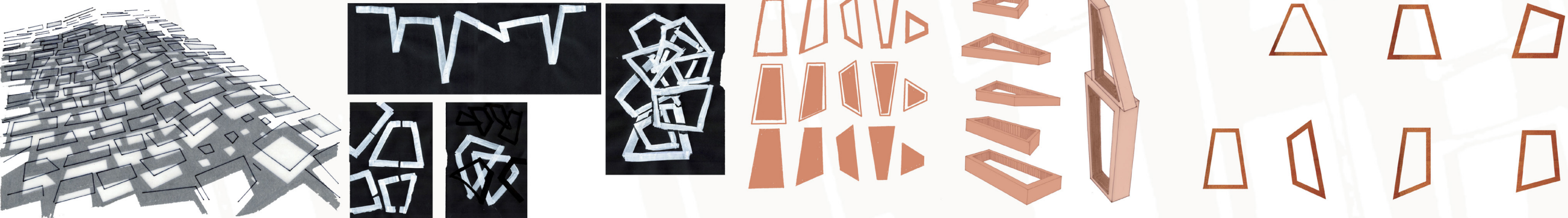
After bronze pour.



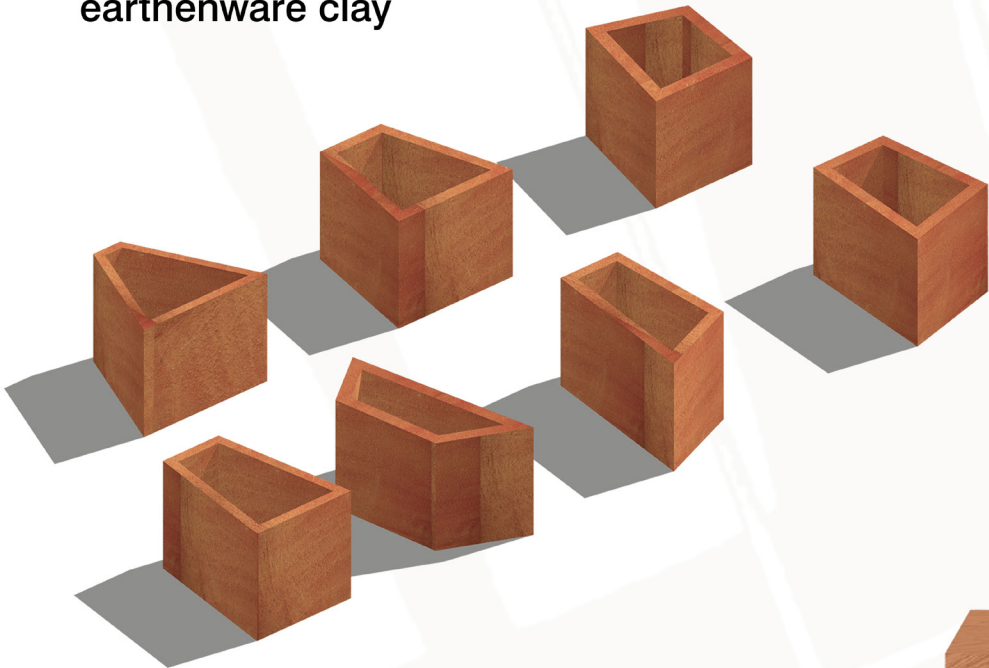
Final bronze Samples.



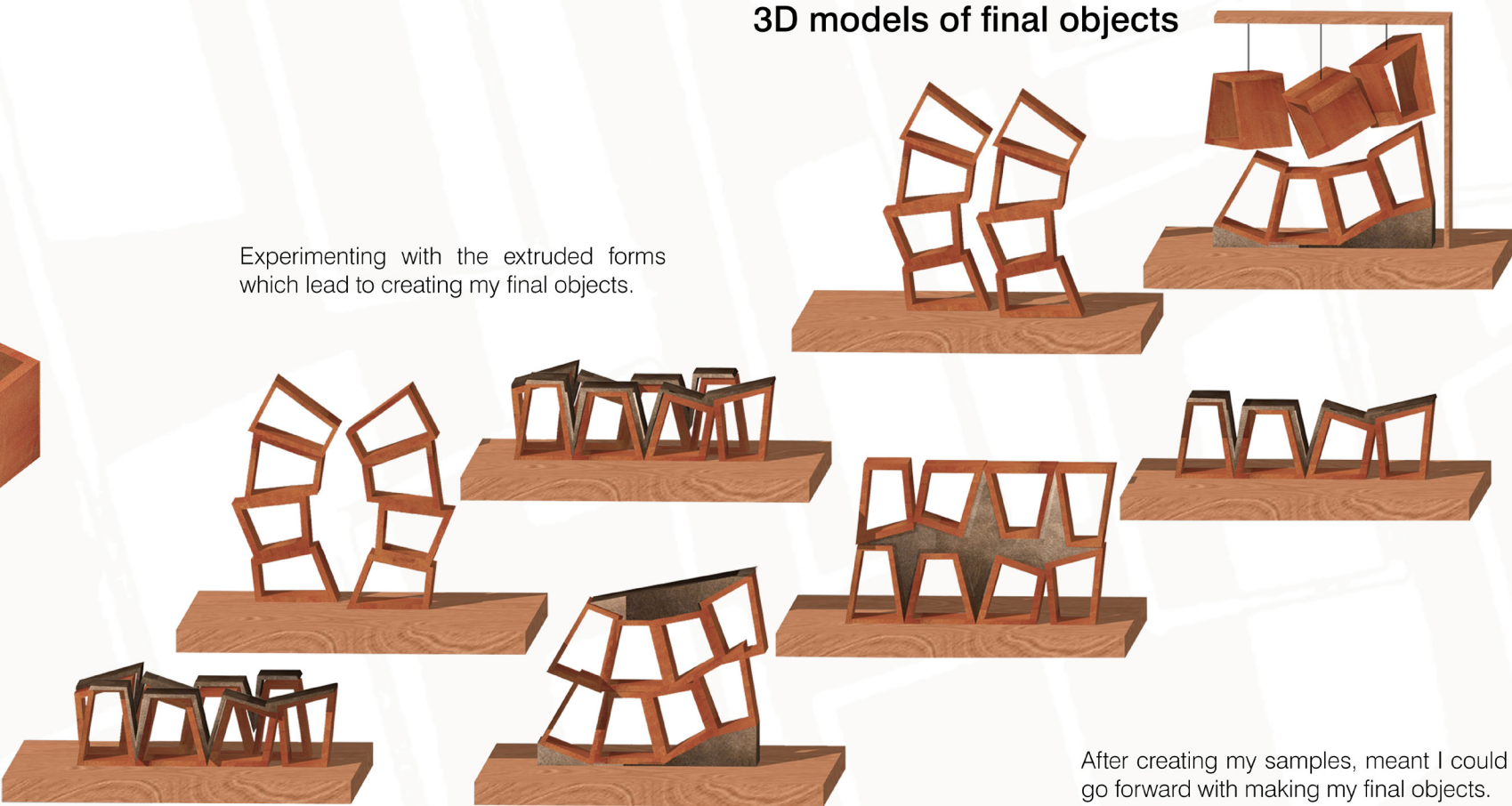
Abstract forms inspired by textural conflicts.



3D models of extruded red earthenware clay



3D models of final objects



Experimenting with the extruded forms which lead to creating my final objects.

After creating my samples, meant I could go forward with making my final objects.

Iron & Grog Samples



Grog is broken down fired ceramics. Which is inspiring as it creates an eroded texture, referring to results from teeth grinding.



Iron speckles were wedged into the clay to create textures were it can be seen subtly.

Unfired Red Earthenware



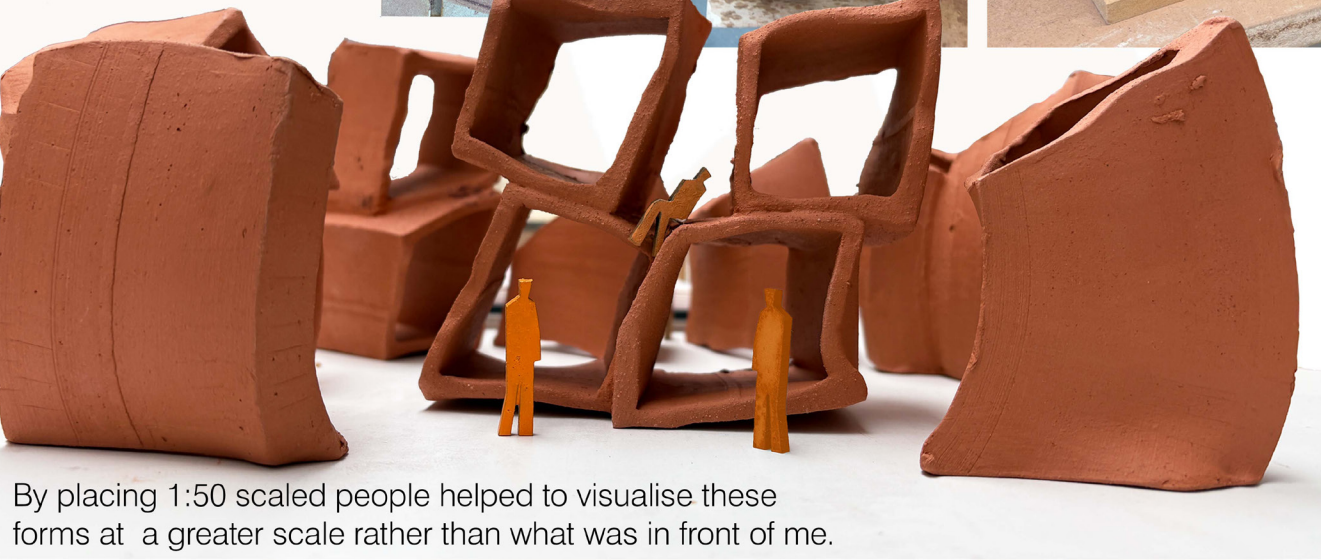
Fired Red Earthenware



Extruding Red Earthenware

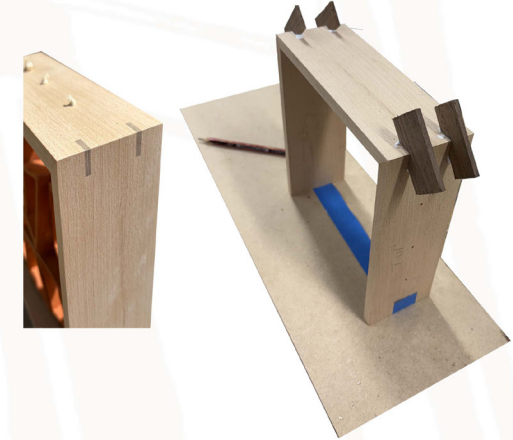


Laser cut MDF stencils to fit within the extruder.



By placing 1:50 scaled people helped to visualise these forms at a greater scale rather than what was in front of me.

45 Degree Wooden Splints



The upper pieces are tied on to be left hanging, referring to movement of teeth & they create satisfying sounds when they collide.



Lost Wax Casting the Final Details



Wax sculpting

Lost wax casting the wax areas to transform into Bronze.



Sandblasting the Bronze

Sandblasting the bronze helps creating smooth surfaces.



Applying patina to bronze pieces

Adding layers of verdigris (green/blue) & liver of sulphur (orange/red) patinas.



Slab Building Red Earthenware

I scored the areas that were joining together.



Then applied the superslip generously onto the clay.

Using superslip as a bind for emerging slab build surfaces together.



Final Objects

