

Year 10 GCSE Three-Dimensional Design: 'Structure'

'the arrangement and relation of parts in a material object (such as a building, body etc) and compositions'



The term **Brutalism** is derived from the French word for rough concrete 'beton brut'.

Brutalist architecture

- emerged during the post-war **1950s** in the UK
- commonly features **minimalist design**; simple **geometric** shapes, **stacked** forms and **structures** in **exposed, unpainted concrete** or brick.
- used in the design of **utilitarian, low-cost social housing** and soon spread to other regions around the world.
- commonly used in the design of institutional buildings, such as universities, libraries, courts, and city halls.
- began to decline in the late **1970s**, with some associating the style with urban decay and totalitarianism.

Clemens Behr

"My work is complicated, improvised... and inexpensive."

- German artist
- creates unique artworks and installations mainly with **found materials**
- artworks are **site-specific**
- structures which show a likeness to **origami**; combining **line, shape** and **form**
- **minimal colour** schemes, often **monochromatic**



David Batchelor



- Scottish artist
- artwork based on **pattern, colour** and more recently, light
- reuses **scrap and broken plastic materials** left from industrial and domestic life as well as cheap plastic items found in pound shops and markets across the world
- inspired by the **urban environment**
- 2010 - 2019 work focused on **free-standing sculptures** made from offcuts embedded in **concrete bases**

John Brickels



- American artist
- creates **architectural sculptures, machines, robots, vintage car bodies** and **mechanics** in **clay**
- uses **slab** and **extrusion** techniques

CAD & CAM

CAD software: Serif Draw 2D design Onshape Cura Shining 3D

CAM equipment : Laser cutter 3D scanner 3D printer

- Did you know?....**
- 3D prints can be created from drawings created by hand, 3D scanned objects and from CAD drawings!
 - They are created in **PLA: polylactic acid** – a bioplastic made from corn starch.

Glossary

utilitarian	designed to be useful or practical rather than attractive
totalitarianism	a form of government that attempts to assert total control over the lives of its citizens
monochromatic	containing or using only one colour
impervious	not allowing fluid to pass through
vitreous	like glass in appearance or physical properties
manipulate	to handle or control (a tool, mechanism, information, etc.) in a skilful manner
score	a notch or line cut or scratched into a surface

Australian artist Joshua Smith

- inspired by the often overlooked aspects of the urban environment such as grime, rust, decay to discarded cigarettes and graffiti
- creates highly detailed and realistic 1:20 scale miniature artworks

