# 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'.

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

materials

and form

monochromatic

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German artist

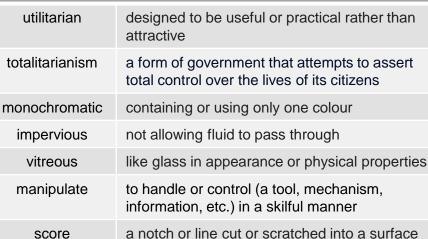
## "My work is complicated, improvised ...

# **David Batchelor**



- 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

## Glossary





#### **John Brickels**

American artist creates

architectural sculptures, machines. robots.



vintage car bodies and mechanics in clay

**Brutalist architecture** 

- uses slab and extrusion techniques
- Joshua Smith Australian artist
- 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



# CAD & CAM

creates unique artworks and

artworks are site-specific

installations mainly with found

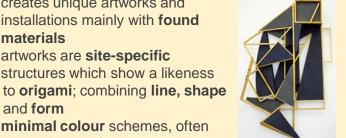
structures which show a likeness

minimal colour schemes, often

CAD software:	CAM equipment :
Serif Draw	Laser cutter
2D design	3D scanner
Onshape	3D printer
Cura	
Shining 3D	

#### 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.



and inexpensive."