

Knowledge Organiser: Year 10 GCSE Three-Dimensional Design: 'Clay & Casting'

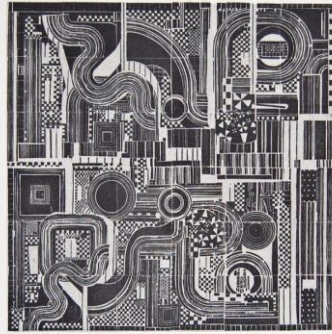


Sir Eduardo Luigi Paolozzi

(7 March 1924 – 22 April 2005)

was a Scottish artist, known for his sculpture and graphic works. He was the son of Italian parents.

He was a founder of Pop Art and liked to combine machinery and figures within his artwork. Paolozzi created collages, prints, sculpture and textiles.



Sonia Delaunay

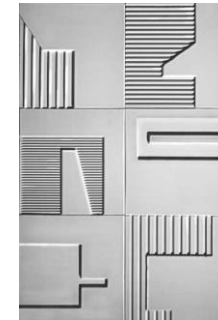
(13 November 1885 – 5 December 1979)
was born in Ukraine, but spent much of her working life in Paris, France.
She practised in painting, textiles, fashion and set design.

Her work is abstract and based on geometric forms.



Kathy Dalwood is a British artist who works using plaster and concrete casting.

She makes sculptures, friezes and commissions- including a series of concrete tiles created for a hotel owned by Pharrell Williams!



geometric: characterized by or decorated with regular lines and shapes

SAFETY FIRST

When working with clay you...

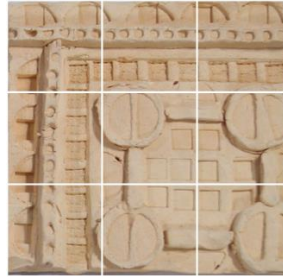
- **must NOT release clay dust into the atmosphere by banging or waving equipment with dry clay on**
- **must wipe down all surfaces with a damp cloth then dry them**

concentric	overlaid shapes with the same centre point
ceramics	items made from clay and hardened by heat
relief	a method of moulding or carving when a design stands out from the surface
slip	a mix of water and clay used to stick two pieces of clay together
ceramic glaze	a liquid painted and fused onto clay with heat to create an impervious surface
plaster	a substance created by mixing powdered gypsum and water
casting	the process of pouring a material into a mould
impression	a mark impressed on a surface
slab building	a method of creating three-dimensional forms in clay using manipulated slabs

Considering **composition** in your work is exceedingly important. Compositional techniques give **layout** and **structure** to each art piece and helps to **lead the eye** of the observer through or across it.



Rule of Thirds



leading lines



symmetry

Ceramic glazes...

glaze (noun)

'an impervious layer or coating of a vitreous substance which has been fused to a ceramic body through firing'

impervious (adj)

doesn't allow liquid to pass through

vitreous (adj)

derived from or containing glass

Ceramic glazes contain silica- this is what is found in the sand used to make glass. It is silica that makes a glaze shiny.

Glazes are used to add colour, decoration and make ceramic items waterproof.



There are two slab building methods: **soft slab** and **stiff-slab**. The stiff-slab method is more appropriate for architectural and geometric forms. The slab is rolled and then allowed to slowly dry to the leather-hard stage before being cut and joined with other stiffened slabs to create the form.



Slabs can be laid into **slump moulds** or draped over **hump moulds** in order to achieve different forms.

Slab building...

The ceramic technique of slab building starts with **smooth slabs of clay** that are **formed around moulds or shaped and cut by hand**. The slabs can be layered, joined with others and also decorated using addition and/or reduction techniques.

