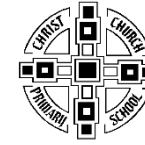




D&T Knowledge Organiser – Year 3- Sculptures



Using recycled materials

Recycled materials can have more uses than you think! They are great to use for modelling, sculpture and can even be used to make instruments.

It is not possible to paint on all types of materials, sometimes you will need to cover materials such as plastic so that you can paint them.

Wax resist can be used to make patterns on paper or fabric, the paint does not stick to the symbols drawn with the wax creating interesting patterns.



Sculptors

Sokari Douglas Camp

Internationally renowned sculptor, Sokari Douglas Camp, creates her works primarily in steel. Her often large-scale sculptures make frequent reference to her Nigerian roots, at the same time encompassing contemporary international issues.



Giuseppe Arcimboldo was an Italian painter best known for creating imaginative portrait heads made entirely of objects such as fruits, vegetables, flowers, fish and books. These works form a distinct category from his other productions.



El Anatsui ([ah-nah-ch-wee], born 1944) is a Ghanaian sculptor active for much of his career in Nigeria. He has drawn particular international attention for his "bottle-top installations". These installations consist of thousands of aluminum pieces sourced from alcohol recycling stations and sewn together with copper wire, which are then transformed into metallic cloth-like wall sculptures. Such materials, while seemingly stiff and sturdy, are actually free and flexible, which often helps with manipulation when installing his sculptures.



Key Vocabulary

- Sculpture
- Sculptor
- Wax resist
- Geometric
- Pattern
- Form
- Texture
- Recycled materials.

Sculpture types

The Four Sculpture Types

Sculptures fall into four basic categories: molded, cast, carved or assembled. The media an artist uses for molded sculptures include clay, wax, papier-mache and plaster. Cast sculptures involve modeling the sculpture, then making a mold and casting it in a metal or other medium. Carved sculptures, such as [Michelangelo's Pieta](#), took years to carve out of marble. Assembled sculptures pull bits and pieces -- some recycled -- from just about anywhere into textured forms that please the artist.



Michelangelo's Pieta

Design and key skills

When making a sculpture, important things to consider are the Elements and Principles of sculptural design

The two most important elements of sculpture—**mass and space**—are, of course, separable only in thought. All sculpture is made of a material substance that has mass and exists in three-dimensional space.

Key Skills for being a sculptor

- Creative imagination
- An understanding of form and materials
- Physical fitness (if you want to create large-scale work, which can be physically demanding)
- Manual dexterity, to use tools on a small or large scale
- Self-discipline to meet deadlines
- The ability to work alone or in a team
- Numeracy skills, to understand measurements for materials
- The ability to work to a brief, if you have been commissioned to produce a specific piece
- Good networking skills, to help promote your work

Health and Safety

Remove any jewellery and tie back long hair.	Wear an apron and roll up your sleeves.	Walk safely and calmly around the classroom/workshop.	Keep your work area and floor area clear – keep your belongings well clear.	Follow the teacher's cutting instructions carefully.	Make sure that you are wearing the correct equipment for tasks.	If you need to move around with scissors, hold around the closed blades, facing down	Report all spillages & clean up properly after yourself.
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