



LESSON 13

TOPIC: Materials and Techniques as Applied to Contemporary Arts

SUB-TOPIC: Dimensional Media

SCULPTURE is an art form that requires of the artist creative use of balance, skill in the use of material, and physical strength.

Technique uses in Sculpture

1. **Subtraction** – this is the method in which sculptors cut away or remove pieces or parts of the material such as stone or wood.
2. **Manipulation** – this process is also known as modelling. Manipulation usually involves the use of a pliable medium such as clay, wax or plaster.
3. **Addition** – this technique involves putting together materials through the use of welding torches, soldering guns, staplers, bolts, screws, nails rivets, glue and rope or string.
 - a. Welding it is the process of joining together pieces of metal by heating the surfaces to the point of melting using a blowtorch.
4. **Substitution** – this is known as casting.
 - a. Sand casting - this is sand molding castings which is a metal casting process.
 - b. Plastic casting – this similar to sand casting except that the material used is plaster.
 - c. Lost-wax casting – this process involves pouring molten metal into the mold that is made of wax.

Kinds of Sculptures

1. **Constructed Sculpture** – this is a product of assemblage
2. **Kinetic Sculpture** – is actual movement in kinetic sculptures may cause by wind, magnetic fields, jet of water etc., active manipulation of the viewer.

Local Material for Contemporary Sculpture

1. **Wood** – used for the sculpture usually depends on the availability of the materials.
 - a. Molave – It is one of the hardest of Philippines woods.
 - b. Acacia – It is also a hardwood found in abundance.
 - c. Langka Wood – It is a hardwood from a jackfruit tree.
 - d. Ipi Tree – It is a fast-growing hardwood that is usually a bush or a small tree.
 - e. Kamagong – It is also known as “iron wood.”
 - f. Palm Wood – It is tree form palm trees which are soft-stemmed and more flexible than sturdy.
 - g. Bamboo Woods – These are giant, fast-growing grasses that have woody stems.
2. **Metal** is a solid material that is typically hard, shiny, malleable, fusible, and ductile.
 - a. Steel is an alloy of iron and 1% carbon
 - b. Bronze is a tin-copper alloy with any other metal except zinc.
 - c. Brass is a yellow alloy of copper and zinc.
3. **Stone** is naturally hard, non-metallic mineral from which beautiful sculptures can be made.
 - a. Marble is hard, crystalline, metamorphic form of limestone with color that is capable of being polished.

- b. Alabaster is a fine-grained, translucent form of gypsum, typically white and used for carving beautiful artworks.

Stone Carving Tools

- a. Point Chisel
 - b. Tooth Chisel or Rake
 - c. Flat-straight chisel
 - d. Diamond
 - e. Rondel
 - f. Stone Carving
 - g. Pneumatic tools
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- 4. **Clay** – adobe as used in sculpture is a natural mixture of clay-rich earth sand and straw.
 - 5. **Ice** is also use as a modern medium for contemporary sculpture.
 - 6. **Food art** – in the fast-growing world of culinary arts, fruits, vegetables, chocolates, and cakes are some of the materials food artists use as means of artistic expression.

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Activity 1

Directions: Determine how the artwork is composed or put together. Answer following questions.



1. What is the title of this artwork?
2. How did the artist achieve the balance?
3. How does your eye move around the work of art?
4. What part of the artwork is emphasized?
5. What is the subject of this work of art?

Activity 2

Interpretation:






Directions:

1. Create your own title for this artwork?
2. What are the strong areas of this work of art?
3. Does the subject imitate the real world?
4. What do you think of the craftsmanship in this work of art?
5. Did the artist effectively convey the intended mood, meaning, and feeling?

Activity 3

Directions: Provide descriptions for the following carving in the different medium.

Carving	Description
 <small>shutterstock.com • 725770897</small>	
	
 <small>Download from Dreamstime.com</small>	

Note: One whole sheet of yellow pad.