



Republic of Rwanda
Ministry of Education



RTB | RWANDA
TVET BOARD

SCULPTURE ARTWORK

CARVE SCULPTURE ARTWORK

FPASA501

RQF Level: 5

Competence

Learning Hours

80

Credits: 8

Sector: Arts and Craft

Trade: Fine and Plastic Art

Module Type: Specific

Curriculum: ARCFPA5002- TVET CERTIFICATE 5 in FINE AND PLASTIC ART

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Purpose statement	This module describes the skills, knowledge and right attitude required to be able to prepare work place, draw sculpture composition, and carve sculpture artwork that means at the end of this model he/she will be able to carve all kinds of sculpture in all technique used in sculpture.					
Learning assumed to be in place	History of art, Sketch, artistic anatomy.					
Delivery modality	Training delivery		100%	Assessment		Total 100%
	Theoretical content		30%	Formative assessment	30%	50%
	Practical work:		70%		70%	
	• Group work and presentation	30%				
	• Individual work	40%				
			Summative Assessment		50%	

Elements of Competency and Performance Criteria

Elements of competency	Performance criteria
1. Prepare work place	1.1. The theme is correctly identified according to the source of inspiration.
	1.2. Raw materials, tools and equipment are properly prepared with reference to their uses.
	1.3. The workplace is properly prepared in accordance with the SHE procedures.
2. Draw sculpture composition	2.1. The sculpture designs is generated properly based on designing procedure.
	2.2. Sculpture model is selected properly as per rules of composition.
	2.3. Sculpture models are created properly as per style.
3. Carve sculpture artwork	3.1. Sculpture model is enlarged correctly in reference to the transferring methods.
	3.2. The artwork roughing is efficiently carved in reference to the

	techniques of sculpture.
	3.3. The sculpture details are properly refined according to the finishing techniques.

Knowledge	Skills	Attitude
ESSENTIAL KNOWLEDGE ✓ Identify client's requirements ✓ Gather artistic drawing references ✓ Enumerate art principles ✓ Differentiate types of artistic drawing ✓ Enumerate Canons of proportion	ESSENTIAL SKILLS ✓ Prepare a workplace ✓ Prepare tools, materials and equipment ✓ Apply SHE at workplace ✓ Apply rules of composition ✓ Generate the sculpture designs ✓ Create the sculpture model ✓ Enlarge the sculpture model ✓ Refine the sculpture details ✓ Perform sculpture model roughing ✓ Package the sculpture	WORKER BEHAVIOUR/ATTITUDES ✓ Use creativity and innovation throughout the design works ✓ Pay attention to design projects details ✓ Demonstrate punctuality during the implementation of the design project ✓ Demonstrate resourcefulness in the new design trends

Elements of Competency and Performance Criteria

Learning outcomes	At the end of the module, the learner will be able to: 1. Prepare work place 2. Draw sculpture composition 3. Carve sculpture artwork
Learning outcome 1: Prepare work place	Learning hours: 10
Indicative content	
• Identification of theme ✓ Source of inspiration + Client brief + Community trends + Historic content + Culture + entertainment • Preparation of tools, materials and equipment ✓ Tools + Carving tools + Detailing tools + Finishing tools ✓ Materials + Jacaranda + Ebony + Libuyu + Muvura + Umusave + Umunzenze + Ibeny + Stones + Metals ✓ Equipment + workbench + Combined machine + Chain saw	

✚ Electric drills ✚ Grinding machine, electric metal planer • Preparation of the workplace ✓ Wok place preparation activities ✚ Removing hazard objects ✚ Arranging essential tools and materials ✚ Setting lighting and ventilation	
Resources required for the learning outcome	
Equipment	Combined machine, Engraving machine, Chain saw, Electric drills, grinding machine, sander, electric metal planer, Grinding wheel, Oilstone, Worker bench
Materials	Wood Jacaranda, Ebony, Libuyu , Muvura , Umusave , Umunzenze ,Ibeny (stones, walnut stain, metal, wax, varnish, sand paper
Tools	kit of sculpture tools, mallet, clamps, ruler, rasps knee pads, knives, hand presses
Facilitation techniques	Demonstration, group work, Practical exercise, Individualized, Trainer guided Group discussion.
Formative assessment methods /(CAT)	Written assessment. Oral presentation, Performance assessment

Learning outcome 2: Draw sculpture composition	Learning hours: 10
Indicative content	
• Generation of sculpture designs ✓ Types of sculpture ✚ Relief sculpture (low-relief & High-relief, recessed bas relief) ✚ Round boss ✓ Designing procedures	

- ✚ Gather references
- ✚ Draft model design
- ✚ Refine the model design

- ✓ Sculpture design technique
 - ✚ Realism
 - ✚ Semi-abstract
 - ✚ Abstract
- Selection of sculpture model
 - ✓ Selection criteria
 - ✚ Rules of composition
 - ✚ Rule of thirds
 - ✚ Diagonal lines
- Creation of sculpture model
 - ✓ Canons of proportion
 - ✚ Lysippus canon
 - ✚ Polycleitus canon

Resources required for the learning outcome

Equipment	Combined machine, chain saw, electric drills, grinding machine, sander, electric metal planer, grinding wheel.
Materials/ consumables	Wood, stones, walnut stain, metal, wax, varnish, sand paper, drawing paper, projector.
Tools	Pencils, ruler, cutter, razor, eraser, brush, feather birds, drawing board, cloth, drawing board.
Facilitation techniques	Demonstration, group work, Practical exercise , Individualized ,Trainer guided, Group discussion.

Learning outcome 3: Carve sculpture artwork

Learning hours: 60

Indicative content

- Enlarging sculpture methods
 - ✓ Transferring methods on different support surfaces
 - ✚ Sketching
 - ✚ Stencilling
 - ✚ Gridding
 - ✚ Projection
 - ✓ Emphasizing of lines
 - ✚ Contrast
 - ✚ Focal point
- Application of sculpture model roughing
 - ✓ Techniques of sculpture model roughing
 - ✚ Carving
 - ✚ Assembling
 - ✚ Installation
 - ✚ Modelling
 - ✚ Moulding/ casting
- Refining of sculpture details
 - ✓ Finishing techniques
 - ✚ Texturizing
 - ✚ sanding
 - ✚ varnishing
 - ✚ signing

Resources required for the learning outcome

Equipment	▪ Combined machine, chain saw, electric drills, grinding machine, sander, electric metal planer, grinding wheel.
Materials	Wood, stones, walnut stain, metal, wax, varnish, sand paper, water, soap.
Tools	▪ Pencils, rule, cutter, razor, eraser, feather birds, drawing board, drawing paper and projector.
Facilitation techniques	▪ Group discussion, Demonstration, group work, Practical exercise 'Individualized .Trainer guided.
Formative assessment methods /(CAT)	• Written assessment, oral presentation, performance assessment.

Integrated/Summative assessment

integrated situation:

45° Ltd has launched an offer for carving sculpture work of Rwandan traditional drummer made in Jacaranda or Muvura wood. URUGWIRO Art Ltd has signed a contract to accomplish this work. The sculpture work will be decorating in new office of 45° Ltd; dimensions are 65*35*25. As an Artist Sculptor in the above-mentioned company, you have to complete this work within 10 days, you are required to use round boss as a type of sculpture, carving as technique, and realism as style of sculpture and all materials and tools are available at the workplace.

Resources

Tools	Kit of sculpture tools, Mallet, Clamps, Ruler, Rasps Kneepads, Knives, hand presses, paper, transfer paper.
Equipment	Combined machine, Chain saw, Electric drills, grinding machine, sander, electric metal planer, Grinding wheel, Oilstone, Worker bench.
Materials/ Consumables	Wood, stones, walnut stain, metal, wax, varnish, sand paper, pencil, glue, water, soap, hand towel

Assessable outcomes	Assessment criteria (Based on performance criteria)	Indicator	Observation		Marks allocation
			Yes	No	
Learning outcome 1: Prepare sculpture work (30%)	1.1. The subject work/ theme is correctly identified according to the client requirement.	Traditional drummer			2
		The artwork is made in the client chosen wood (Jacaranda or Muvura)			2
		Artwork is decorated in new office of 45° Ltd			2
		65*35*25 dimensions are respected			2
	1.2. Materials, tools and	Carving tools are selected			2
		Detailing tools are selected			2

	equipment are selected with reference to their uses	Finishing tools are selected			2
		Needed machines and equipment are selected			2
	1.3. Materials, tools and equipment are properly prepared in accordance with the procedures	Sharpening is done where needed			3
		Tools are cleaned			3
		Lubrication is done where needed			3
		The workplace is prepared			3
		Tools, material and equipment are arranged			3
Learning outcome 2: Compose sculpture models 30%	2.1 The sculpture designs are properly generated based on designing procedure	References are gathered			4
		Draft model is designed			4
		Model design is refined			4
	2.2. Sculpture model is properly selected as per rules of composition	Rule of thirds is respected			3
		Iconic rule is respected			3
		Golden mean is respected			3
	2.3 Sculpture models are properly created as per canons of proportions.	Lysippus canon is respected			4
		Polyclitus canon is respected			4
Learning outcome 3: Execute sculpture (40%)	3.1. Sculpture model is correctly enlarged in reference to the	Stencilling/ Gridding is applied			5
		Creativity is performed			10

	transferring methods					
	3.2. The artwork roughing is efficiently applied in reference to the techniques of sculpture	Carving is performed			5	
		Assembling is performed			5	
		Modelling is performed			7	
		Innovation is performed			5	
	3.3. The sculpture details are properly refined according to the finishing techniques.	Detailing is performed			8	
		Signing is performed			2	
		Varnishing is performed			6	
		Drying is performed			5	
	Total marks		100			
	Percentage Weight age		100%			
	Minimum Passing line % (Aggregate): 70%					

REFERENCES:

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2. Fine Wood working Tools 2006/2007, Yvon ROY, ONTARIO- OTTAWA ISBN 10:897030-58-4
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3. 3. Imigongo of Rwanda Catalogue, Realise avec l'appui de la GTZ Rwanda Programme
Promotion de l'Economie et de l'Emploi
4. 4. Rwanda Nziza, Sous la Direction de Thierry Mesas, Texte de Faustin Kagame/
Photographies de Gilles Tordjeman Sipia urukundo

