



Creating the next generation
of entrepreneurs

Sustainable Fashion Practices In Adire Production

Meet The Facilitator



About Me

Ifeyinwa Brendan-Ndukwu, a graduate of English Language/ Literature is the Founder/Creative Director and CEO LILIFEYS' FASHION AND LIFESTYLE LIMITED.

She is a seasoned Administrator and NGO Management Consultant. Her childhood passion for Fashion and Arts birthed her Sustainable Fashion and Adire Textile Arts design Brand, LILIFEYS'.

Ifeyinwa's passion for a greener planet led to her consistently advocating for a Sustainable and Ethical Fashion movement.

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Objective

The objective of this class is for students to learn the intricate art of ADIRE textile production by adopting the sustainable fashion practices of ZERO WASTES to reduce environmental degradation as well as promoting ethical and economic standards in their production processes.



Adire Production Processes | Source: Google Image

Goal

The goal of this class is to make students proficient in the art of Sustainable Adire Textile production techniques and become active Sustainable Fashion Designer and Entrepreneurs paving the way to preserving the planet Earth for future generations.

Introduction

The term ADIRE means Tie and Dye. It is a type of dyed cloth from South West Nigeria traditionally made by Yoruba women, using a variety of resist-dyeing techniques.

The word “adire” originally derives from the Yoruba words ‘adi’ which means to tie and ‘re’ meaning to dye. It is common among the Egba people of Ogun State.



TIE and Dye Process | Source: Google Image

Introduction (Cont.d)

As a result of the devastating impacts the fashion industry is posing on the environment and humanity, most consumers and fashion designers are adopting more sustainable fashion practices in their production processes that promote ethical production, zero waste and pollution and promote sustainable livelihoods.

GMYT Academy is at the forefront of promoting sustainable fashion to ensure entrepreneurs especially Fashion entrepreneurs adopt ZERO WASTE and NO POLLUTION in their production processes in line with SDGs 7,8.12.13.14 and 15.

Introduction (Cont.d)

We are therefore expected as entrepreneurs to align our production processes or services to any of the SDGs to promote sustainability in all areas of our endeavours.

Our area of focus in this class is how we can adopt sustainable fashion practices in ADIRE TEXTILE production by learning practical steps to achieve the intricate methods of Adire production.

Ways to adopt Sustainable Fashion Practices in Adire Textile Production

1. Sustainable Materials:

Adire fabric is produced with Eco-friendly materials such as 100% cotton, organic cotton, silk, chiffon and linen fabrics which are biodegradable and do not cause pollution. Adopting these materials lead to reduced environmental impact and support local communities.

2. Production Processes:

Old clothes can be upscaled by the method of TIE and DYE process and styled into new clothes. Discarded clothes can be recycled and repurposed into other beautiful fashion accessories such as necklaces and hairpieces etc. thereby incorporating circular economy processes which prioritizes waste reduction and extending the life cycle of products.

Ways to adopt Sustainable Fashion Practices in Adire Textile Production

ZERO WASTE production processes, we can achieve this by ensuring that we group our materials according to textures and products whereby we dye materials that require same colour designs together and wash off the excess dyes at once in same dye bath instead of washing them separately. Already mixed leftover dyes can be stored for a few days and used for other new projects.

Adire production means sustainability for a lot of women who have been empowered to manage their own businesses. It is developmental as it employs many women and youths.. So as we engage in ADIRE production responsibly, conscious of our environment by reducing waste we are a part of the movement towards saving the planet Earth for future generations. We are **SUSTAINABLE FASHION ADVOCATES!**

Tools You Need in Adire Textile Workshop

1. Well ventilated workspace
2. Work Table with Nylon sheet to avoid stains
3. Rubber Hand Gloves
4. Disposable surgical hand gloves
5. Dye Baths
6. Plastic Jugs or Kettles
7. Rubber Bands
8. Twines (Raffia or Synthetic)
9. Dyeable fabrics (100% cotton, Linen, Silk, Chiffon) etc.
10. Mordants(Caustic Soda and Hydrosulphite)
11. Foam Stamping Templates and Pencils
12. Mini Camping Gas Stove
13. Large Cooking pots (for dewaxing)



Adire Production | Source: Google Image

Mordants for Adire Tie and Dye

Mordants are substances that combines with a dye or stain and fixes it in a material. There are both natural mordants such as Salt and Vinegar and Synthetic mordants such as Caustic Soda and Hydrosulphite. For the purposes of this class we are using Caustic Soda and Hydrosulphite.

CAUSTIC SODA is a chemical compound sodium hydroxide. Caustic Soda is coarse in texture and highly corrosive. You must wear protective hand gloves to use it. Caustic soda opens up the pores of the fabric and allows dyes to penetrate properly.



Caustic Soda | Source: Google Image

Sodium Hydrosulphite

SODIUM HYDROSULPHITE is a white crystalline salt which promotes the setting of colour into the fabric and helps to retain the colour. It has an awful sulfurous odour, the stronger the odour, the more potent it is. If it loses the odour its smell, the Hydrosulphite is weak and the colour washes off from the fabric after dyeing.



Sodium Hydrosulphite | Source: Google Image

Adire Production Processes

The traditional Adire dyed with natural Indigo leaves take several days to produce. For this class we are concentrating on the processes of ADIRE ONIKO (Tie and Dye) adopting sustainable fashion practices.

1. Destarch the fabric by washing it in cold water and squeezing out excess water.
2. Make your desired designs on the fabric, by tying, knotting, folding, waxing etc.
3. Wearing your rubber hand gloves mix the required quantity of dyes and mordants (see measurementst table) in the Dye baths, pour hot water and mix the dyes and mordants smoothly. Add the fabric into the solution and massage properly into the solution.

MEASUREMENTS TABLE FOR VAT DYES AND CHEMICALS PER QUANTITY OF FABRIC. FABRIC C/SODA. HYDRO. DYE

No. Of Fabric Yards.	Caustic Soda (per tbs)	Hydro sulphite Salt (Per tbs)	Dye (per tbs)
1	1	1 and a half	1 and a half
2	2	3	3
3	3	4 and a half	4 and a half
4	4	6	6
5	5	7 and a half	7 and a half

Adire Production Processes

4. Allow the dye to set into the fabric for 10 minutes. Take the fabric out of the dye solution and allow to set 5 minutes before squeezing out the dye solution.
5. Wash the fabric with room temperature till the excess dye is washed off. Cut off the twines or rubber bands and wash the fabric again, ensuring the water is clear.
6. Spread the fabric outside so that the real colour of the design starts reflecting. This process is referred to as Oxidation process.



Adire fabric - LILIFEYS' Collection

Practical Session

We shall be working on the following design process:

1. FOR T-SHIRT

- (a) Sipral design
- (b) Marble design

2. FOR FABRIC

- (a) Envelope folds design (multiple colours)



Adire Production | Source: Google Image

Tasks

Project 1.

1. From the design techniques you have learned:
 - (a) Redesign an old shirt or T-Shirt you.
 - (b) Design a new T-Shirt.
2. Design a fabric using the Envelope folds you have learned.



Learning Outcome

Adopting sustainable Fashion practices in Adire Textile production implies that as Entrepreneurs we should change our production methods to embrace sustainability by effectively minimizing wastes and pollutants thereby being environmentally, ethically, and economically viable in our communities.

Adire production processes enables us learn the intricacies of the art of ADIRE Textile production.

Adire Production Terminology

1. Resist - dyed techniques
2. Patterned - dyed cloth
3. Adire Oniko - Tie and Dye
4. Adire Eleko - Cassava paste resist patterns
5. 'Elu'- indigo leaves
6. Adire Alabela - Batik
7. Adire Onibatani - stencil resist method
8. Spider spiral designs
9. Spiral Designs
10. Accordion designs
11. Envelope folds design
12. Oxidation
13. Mordants

Additional Information

For further clarification or assistance please do not hesitate to reach out to the Sustainable Fashion and ADIRE textile production facilitator via email at ***ifybndukwu@gmail.com***



References

Joseph Ejiro. Local Sustainable Practices in the Nigerian Fashion Industry 19/03/2023

undp.org/sustainable-development-goals

All materials and accessories for dyeing are available at

GEM DYE STORES

99 Ikorodu Road, Fadeyi, Lagos.

Phone : 09062534960, 08023109795

Thank You