

**REPUBLIC OF KENYA**

**COMPETENCY-BASED MODULAR CURRICULUM**

**FOR**

**FASHION DESIGN**

**KNQF LEVEL 6**

**PROGRAMME ISCED CODE: 0212 554 A**

© 2025

All rights reserved. No part of this Curriculum may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods without the prior written permission of …QAI…. except in the case of brief quotations embodied in critical reviews and certain other non-commercial uses permitted by copyright law. For permission requests, write to the Council Secretary/CEO/Chief Principal, at the address below:

Council Secretary/CEO/Chief Principal

………………………………….

P.O. Box …….

……………

Email: ………..

1. **FOREWORD**

The provision of quality education and training is fundamental to the Government’s overall strategy for social and economic development. Quality education and training contribute to the achievement of Kenya’s development blueprint and sustainable development goals.

Reforms in the education sector are necessary to achieve Kenya Vision 2030 and meet the provisions of the Constitution of Kenya 2010. The education sector had to be aligned to the Constitution, and this resulted in the formulation of the Policy Framework for Reforming Education and Training in Kenya (Sessional Paper No. 14 of 2012). A key feature of this policy is the radical change in the design and delivery of TVET training. This policy document requires that training in TVET be competency-based, curriculum development be industry-led, certification be based on demonstration of competence, and the mode of delivery allow for multiple entry and exit in TVET programmes.

These reforms demand that Industry takes a leading role in curriculum development to ensure the curriculum addresses its competence needs. It is against this background that this curriculum has been developed. For trainees to build their skills on foundational hands-on activities of the occupation, units of learning are grouped in modules. This has eliminated duplication of content and streamlined exemptions based on skills acquired as a trainee progresses in the up-skilling process, while at the same time allowing trainees to be employable in the shortest time possible through the acquisition of part qualifications.

**PRINCIPAL SECRETARY**

**STATE DEPARTMENT FOR TVET**

**MINISTRY OF EDUCATION**

# PREFACE

Kenya Vision 2030 aims to transform Kenya into a newly industrializing middle-income country, providing high-quality life to all its citizens by the year 2030. Kenya intends to create globally competitive and adaptive human resource base to meet the requirements of a rapidly industrializing economy through lifelong education and training. TVET has a responsibility to facilitate the process of inculcating knowledge, skills, and worker behaviour necessary for catapulting the nation to a globally competitive country, hence the paradigm shift to embrace Competency-Based Education and Training (CBET).

TVET Act CAP 210A and Sessional Paper No. 1 of 2019 on Reforming Education and Training in Kenya for Sustainable Development emphasized the need to reform curriculum development, assessment, and certification. This called for a shift to CBET to address the mismatch between skills acquired through training and skills needed by industry, as well as increase the global competitiveness of the Kenyan labour force.

This curriculum has been developed in adherence to the Kenya National Qualifications Framework and CBETA standards and guidelines. The curriculum is designed and organized into Units of Learning with Learning Outcomes, suggested delivery methods, learning resources, and methods of assessing the trainee’s achievement. In addition, the units of learning have been grouped in modules to concretize the skills acquisition process and streamline upskilling.

I am grateful to all expert trainers and everyone who played a role in translating the Occupational Standards into this competency-based modular curriculum.

**ACKNOWLEDGEMENT**

This curriculum has been designed for competency-based training and has independent units of learning that allow the trainee flexibility in entry and exit. In developing the curriculum, significant involvement and support were received from expert trainers, institutions and organizations.

I recognize with appreciation the role of the fashion National Sector Skills Committee (NSSC) in ensuring that competencies required by the industry are addressed in the curriculum. I also thank all stakeholders in the fashion sector for their valuable input and everyone who participated in developing this curriculum.

I am convinced that this curriculum will go a long way in ensuring that individuals aspiring to work in the fashion Sector acquire competencies to perform their work more efficiently and effectively.

Contents

[**FOREWORD** III](#_Toc197045080)

[**ACKNOWLEDGEMENT** V](#_Toc197045081)

[**ACRONYMS** VII](#_Toc197045082)

[**KEY TO ISCED UNIT CODE** IX](#_Toc197045083)

[**COURSE OVERVIEW** X](#_Toc197045084)

[**MODULE** XIV](#_Toc197045085)

[**SEWING MACHINE OPERATION** 1](#_Toc197045086)

[**BASIC LADIES’ GARMENTS CONSTRUCTION** 5](#_Toc197045087)

[**BASIC GENTS’ GARMENTS CONSTRUCTION** 10](#_Toc197045088)

[**STYLED GARMENTS PRODUCTION** 14](#_Toc197045089)

[**DECORATED FABRICS PRODUCTION (TIE &DIE AND PRINTING)** 22](#_Toc197045090)

[**DIGITAL LITERACY** 27](#_Toc197045091)

[**COMMUNICATION SKILLS** 40](#_Toc197045092)

[**ENTREPRENEURIAL SKILLS** 44](#_Toc197045093)

[**TEXTILE MATERIAL PRINCIPLES** 48](#_Toc197045094)

[**FASHION DESIGN AND SKETCHING** 54](#_Toc197045095)

[PATTERN CONSTRUCTION AND GRADING PRINCIPLES 60](#_Toc197045096)

[**FABRIC DECORATION (BATIK AND EMBROIDERY).** 66](#_Toc197045097)

[GENTS’ WEAR 72](#_Toc197045098)

[LADIES’ WEAR 78](#_Toc197045099)

[**MODULE V, VI & VII** 86](#_Toc197045100)

[**QUALITY CONTROL PRINCIPLES** 93](#_Toc197045101)

[**COMPUTER AIDED DESIGN** 102](#_Toc197045102)

[**RESEARCH METHODS** 110](#_Toc197045103)

[**CHILDREN’S WEAR** 123](#_Toc197045104)

[**FASHION ACCESSORIES** 131](#_Toc197045105)

[**UNIFORM WEAR** 139](#_Toc197045106)

[**SPORTS WEAR** 147](#_Toc197045107)

[**LINGERIE WEAR** 155](#_Toc197045108)

[**OCCASION WEAR** 163](#_Toc197045109)

**ACRONYMS**

ICT Information Communication Technology

PPE’s Personal Protective Equipment

TVET Technical Vocational Education and Training

SSC Staff Selection Commission

CBETA Competency based Education, Training and Assessment

QAI Quality Assurance International

KCSE Kenya Certificate of Secondary Education

RPL Recognition of Prior Learning

# **KEY TO ISCED UNIT CODE**



# **COURSE OVERVIEW**

Fashion Design Level 6 qualification consists of competencies that an individual requires to work in fashion design sector. It involves Sewing machine operations, construction of ladies’ garments, construction of Gents’ garments, Fabrics and Garments Decoration, Digital Literacy, Communication Skills, Entrepreneurial Skills, Textile Material knowledge, Fashion Design and Sketching, Pattern Construction and Grading Principles, Fabric Decoration, Gents wear, Ladies Wear, Entrepreneurial Skills, Pattern Construction and Grading Principles, Quality Control Principles, Computer Aided Design, Garment Cutting, Construction of Children’s Apparel, Construct Fashion Crafts/ Accessories, Research and Implementation, Construction of Occasion Wear, Construction of Lingerie Wear, Construction of Sports Wear & Construction of Uniforms.

The units of learning comprising in Fashion Design Level 6 include the following core competencies

**SUMMARY OF UNITS OF COMPETENCY**

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit Code** | **Units Title** | **Unit Duration (Hours)** | **Credit Factor** |
| **MODULE 1** | | | |
| 0212 251 01A | Sewing Machine Operations | 50 | 5.0 |
| 0212 251 02A | Basic Ladies’ Garments Construction | 150 | 15.0 |
| 0212 251 03A | Basic Gents’ Garments Construction | 150 | 15.0 |

**MODULE 2**

|  |  |  |  |
| --- | --- | --- | --- |
| 0212 351 04A | Styled Garments production | 300 | 30.0 |
| 0212 351 05A | Decorated Fabrics production | 120 | 12.0 |

**MODULE 3**

|  |  |  |  |
| --- | --- | --- | --- |
| 0611 541 01A | Digital Literacy | 40 | 4.0 |
| 0031 541 02A | Communication Skills | 40 | 4.0 |
| 0212 451 06A | Fashion Design and Sketching | 80 | 8.0 |
| 0212 451 05A | Textile Material principles | 120 | 12.0 |
| 0212 451 10A | Fabric Decoration (Batik and Embroidery) | 120 | 12.0 |
| 0212 451 12A | Ladies Wear | 240 | 24.0 |

**MODULE 4**

|  |  |  |  |
| --- | --- | --- | --- |
| 0417 451 03A | Work Ethics and practices | 40 | 4.0 |
| 0413 541 04A | Entrepreneurial Skills | 40 | 4.0 |
| 0212 451 07A | Pattern Construction Principles | 160 | 16.0 |
| 0723 451 11A | Gent Wear | 240 | 24.0 |

**MODULE 5**

|  |  |  |  |
| --- | --- | --- | --- |
| 0611 551 02A | Industrial Organization Management | 100 | 10.0 |
| 0212 551 06A | Garment Cutting. | 100 | 10.0 |
| 0212 551 13A | Produce Children’s Wear | 240 | 24.0 |

**MODULE 6**

|  |  |  |  |
| --- | --- | --- | --- |
| 0212 551 14A | Quality Control Principles | 100 | 10.0 |
| 0613 551 01A | Computer Aided Design | 100 | 10.0 |
| 0212 551 15A | fashion accessories. | 240 | 24.0 |

**MODULE 7**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 0541 551 02A | | Research Methods | 100 | 10.0 |
| 0212551 16A | | Uniform Wear | 240 | 24.0 |
| 0212551 17A | | Sports Wear |  |
| 0212 551 18A | Lingerie Wear | | 240 | 24.0 |
| 0212 551 19A | Occasion Wear | |
|  | | **Sub-Total** | **3370** | **337.0** |
|  | | **Industrial attachment** | 480 | 48.0 |
|  | | **GRAND TOTAL** | **3870** | **387.0** |

**Entry Requirements**

An individual entering this course should have any of the following minimum requirements:

1. Kenya Certificate of Secondary Education (KCSE) mean grade C- (minus)

**Or**

1. Craft certificate/level 5 in Fashion Design.

**Or**

1. Equivalent qualifications as determined by TVETA.

**Trainer Qualification**

Qualifications of a trainer for this course include:

1. Possession of a minimum qualification of level 7 in fashion design. and
2. Registered by TVETA.

**Industry Training**

An individual enrolled in this course will be required to undergo Industry training for a minimum period of 480 hours in Fashion Design sector. The industrial training may be taken after completion of all units for those pursuing the full qualification or be distributed equally in each unit for those pursuing part qualification. In the case of dual training model, industrial training shall be as guided by the dual training policy.

**Assessment**

The course shall be assessed formatively and summatively:

1. During formative assessment all performance criteria shall be assessed based on performance criteria weighting.
2. Number of formative assessments shall minimally be equal to the number of elements in a unit of competency.
3. During summative assessment basic and common units may be integrated in the core units or assessed as discrete units.
4. Theoretical and practical weight for each unit of learning shall be as follows;
5. 10:90 for units in module 1 and module 2.
6. 30:70 for units in module 3 and module 4.
7. 40:60 for units in module 5 ,module 6 and module 7.
8. Formative and summative assessments shall be weighted at 60% and 40% respectively in the overall unit of learning score

For a candidate to be declared competent in a unit of competency, the candidate must meet the following conditions:

1. Obtained at least 40% in theory assessment in formative and summative assessments.
2. Obtained at least 60% in practical assessment in formative and summative assessment where applicable.
3. Obtained at least 50% in the weighted results between formative assessment and summative assessment where the former constitutes 60% and the latter 40% of the overall score.
4. Assessment performance rating for each unit of competency shall be as follows:

|  |  |
| --- | --- |
| **MARKS** | **COMPETENCE RATING** |
| 80 -100 | Attained Mastery |
| 65 – 79 | Proficient |
| 50 – 64 | Competent |
| 49 and below | Not Yet Competent |
| Y | Assessment Malpractice/irregularities |

1. Assessment for Recognition of Prior Learning (RPL) may lead to award of part and/or full qualification.

**Certification**

A candidate will be issued with a Certificate of Competency upon demonstration of competence in a core Unit of Competency. To attain Kenya National TVET certificate qualification in Fashion Design Level 6, the candidate must demonstrate competence in all the Units of Competency as given in the qualification pack.

These certificates will be issued by ……… (QAI)

**MODULE 1**

**SEWING MACHINE OPERATION**

**UNIT CODE: 0212 251 01A**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Perform sewing machine operations

**Duration of Unit:** 50 hours

**Unit Description**

This unit covers the competencies required to perform sewing machine operations. It involves operate the sewing machine, trouble shoot sewing machine, service and maintain the sewing machine and promoting workshop ethical practices.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Operate sewing machine. | 10 |
|  | Troubleshoot sewing machine. | 10 |
|  | Service and maintain sewing machine. | 20 |
|  | Promote workshop ethical practices | 10 |
| **Totals** | | **50** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Operate the sewing machine | 1. ***PPEs*** and Workshop safety 2. Sewing machine types  * single needle lockstitch * over lock/ serger * double needle(Chain double needle, Fixed bar double needle, split bar double needle) * Flat lock (T-shirt hemming) * Feed of the arm * Buttonholing machine * Button attaching * Bar tack machine * Flat belt machine  1. Sewing machine functions 2. Sewing machine parts and their functions. 3. Sewing machine threading  * Upper threading * Lower threading  1. Sewing machine stiches testing 2. Sewing machine stitch adjustment. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Troubleshoot sewing machine | 1. Common sewing machine faults. 2. Remedies on the sewing machine faults. 3. Fault finding 4. Fault solving 5. Sewing machine troubleshooting tools and supplies. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Service and maintain the sewing machine | 1. Sewing machine maintenance. 2. tools, supplies and equipment for Oiling the sewing machine 3. Servicing the sewing machine 4. Maintenance of the sewing machine. 5. Safety. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Promote ethical work practices and values | 1. Organizational rules and guidelines. 2. Drug and Substance abuse 3. Time Management 4. Integrity   Professionalism   1. Self-Awareness 2. Self -esteem 3. Stress Management 4. Assertiveness 5. Organizational Core Values and beliefs 6. Organizational codes of conduct. 7. Teamwork. 8. Conflict Resolution. 9. Customer Care. | * Practical * Project * Oral assessment * Written assessment * Third party report |

**Suggested Methods of Instruction:**

* Direct instruction
* Project
* Discussions
* Demonstration by trainer
* Practice by the trainee
* Assignments
* Brainstorming
* Case studies
* Direct instruction with active learning strategies
* Field trips
* Instructor lead facilitation of theory using active learning strategies.
* Presentations
* Problem-solving
* Question and answer
* Simulation/Role-play
* Team training

**List of Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **s/no** | **Category/item** | **Description/ specification** | **Quantity** | **Recommendation ratio**  **(item: Trainee)** |
|  | Reference books |  | 5 | 1:5 |
|  | Sewing machines |  | 25 | 1:1 |
|  | Pliers |  | 5 | 1:5 |
|  | Screws drivers |  | 5 | 1:5 |
|  | Manuals |  | 5 | 1:5 |
|  | Tweezers |  | 5 | 1:5 |
|  | Oil cans |  | 5 | 1:5 |
|  | Oil/ lubricants |  | 5 litters | 1:5 |
|  | Spanners |  | 5 | 1:5 |
|  | Alan keys |  | 5 | 1:5 |
|  | Vacuum/blowers |  | 1 | 1:25 |
|  | Testers |  | 5 | 1:5 |
|  | Wiping fabrics |  | 25 | 1:1 |
|  | Internet |  | Stable | 1:1 |

**BASIC LADIES’ GARMENTS CONSTRUCTION**

**UNIT CODE: 0212 251 02A**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Construct basic Ladies’ Garments.

**Duration of Unit:** 150 hours

**Unit Description**

This unit covers the competencies required to construct basic ladies’ garments. It involves sketch basic ladies’ garments, develop free hand garment pattern pieces, Lay and cut garment pieces, construct selected basic garment, finish constructed garment, display and package garment

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Sketch basic ladies’ garments | 15 |
|  | Develop freehand garment pattern pieces. | 25 |
|  | Lay and cut garment pieces. | 20 |
|  | Construct selected basic garment. | 60 |
|  | Finish constructed garment. | 20 |
|  | Display and package garment. | 10 |
| **Totals** | | **150** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Sketch basic ladies’ garments. | 1. Workshop safety 2. Sketching tools, equipment, materials and supplies 3. Sketching techniques | * Practical * Project * Oral assessment * Written assessment * Third party report report |
| 1. Develop freehand garment pattern pieces. | 1. Freehand drafting Tools and equipment 2. Drafting basic free hand patterns. 3. Development of basic free hand pattern pieces. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Lay and Cut garment pieces. | 1. Cutting tools, equipment, materials and supplies. 2. Free hand cutting techniques 3. Taking body measurements 4. The basic free hand patterns    1. basic skirts    2. basic blouses    3. basic dresses 5. Fitting special figure problems 6. Bundling techniques | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Construct selected garment. | 1. Garment construction tools and equipment. 2. Garment construction materials and supplies. 3. Sewing techniques:    1. Stitches    2. Seams    3. Garment details    4. Handling special fabrics 4. Garments assembling | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Finish constructed garment. | 1. Garment finishing tools, equipment. 2. Garment finishing materials and supplies. 3. Garment finishing methods and techniques | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Display and package the garment | 1. Display tools, equipment, materials and supplies 2. Identification of product and supplies for garment display. 3. Garment display area. 4. Garment display workplace procedure. 5. Garment photography. 6. Garments packaging. | * Practical * Project * Oral assessment * Written assessment * Third party report |

**Suggested Methods of Instruction:**

* Direct instruction
* Project
* Discussions
* Demonstration by trainer
* Practice by the trainee

**List of Recommended Resources:**

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/NO** | **Category/Item** | **Description/ Specifications** | **Quantity** | **Recommended Ratio**  (Item: Trainee) |
| **A** | **Learning Materials** |  |  |  |
|  | National occupation Standards (OS) |  | 1 | 1:25 |
| 2. | Curriculum |  | 1 | 1:25 |
| 3. | Learning guide |  | 1 | 1:25 |
| 4. | Session plans |  | 1 | 1:25 |
| **B** | **Learning Facilities & infrastructure** |  |  |  |
|  | Workshop | 50 M2 | 1 | 1:25 |
|  | Lecture/theory room | 40 M2 | 1 | 1:25 |
|  | Tools and Equipment storage facility | 30 M2 | 1 | 1:25 |
| **C** | **Materials and supplies** |  |  |  |
|  | Brown paper | Rolls | 5 | 1:5 |
|  | Plain paper | 5 reams | 5 | 1:5 |
|  | Assorted fabrics | Calico/ jinja fabric | 5 rolls | 1:5 |
| Tetron fabric | 5rolls | 1:5 |
| Dacron fabrics | 3 rolls | 1:8 ; 1:9 |
|  | Assorted interfacing | Rolls | 2 | 1:12.5 |
|  | Assorted stitching threads | Dozens (small) | 25 | 1.1 |
| Cones | 75 | 1:3 |
|  | Personal protective equipment (PPE’S) | Dust coats | 25 | 1:1 |
| Gloves (pairs) | 25 | 1:1 |
|  | Flat closed shoes |  |  |
| **D** | **Tools and Equipment** |  |  |  |
|  | Sewing machines | Straight sewing machine  Zig – zag sewing machine | 25 | 1:1 |
| 2 | Overlock machine | Neatening machine | 3 | 1:8; 1:9 |
| 3 | Hangers | Metallic hangers/ plastic hungers | 5 | 1:5 |
| 4 | Cutting tables | Proper size and height | 13 | 1:2 |
| 5 | Assorted scissors | Cutting shears | 25 | 1:1 |
| Paper scissors | 25 | 1:1 |
| 6 | Tracing wheel |  | 25 | 1:1 |
| 7 | Tape measure |  | 25 | 1:1 |
| 8 | Seam ripper |  | 25 | 1:1 |
| 9 | Metre ruler |  | 25 | 1:1 |
| 10 | 30 centimeter’s ruler | Plastic | 25 | 1:1 |
| 11 | Thimble | Metallic | 25 | 1:1 |
| 12 | French curve | Wooden | 25 | 1:1 |
| 13 | Hip curve | Wooden | 25 | 1:1 |
| 14 | Assorted irons | Steam and dry irons | 25 | 1:1 |
| 15 | Assorted pins | Metallic | 25 | 1:1 |
| 16 | Tailors chalk | Packets | 25 | 1:1 |
| 17 | Machine sewing needles | Packets | 25 | 1:1 |
| 18 | Hand sewing needles | Metallic | 25 | 1:1 |
| 19 | Bobbins | Metallic | 25 | 1:1 |
| 20 | Bobbin cases | Metallic | 25 | 1:1 |

**BASIC GENTS’ GARMENTS CONSTRUCTION**

**UNIT CODE: 0212 251 03A**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency:  **Construct basic gent’s garments**

**Duration of Unit:** 150 hours

**Unit Description**

This unit covers the competencies required to construct basic gent’s garments. It involves sketch basic gent’s garments, develop free hand garment pattern pieces, lay and cut garment pieces, construct selected garments, finish constructed garments, display and package garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Sketch basic gents’ garments | 15 |
|  | Develop freehand garment pattern pieces. | 25 |
|  | Lay and cut garment pieces. | 20 |
|  | Construct selected garment. | 60 |
|  | Finish constructed garment. | 20 |
|  | Display and package garment. | 10 |
| **Totals** | | **150** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Sketch basic garments. | 1. Workshop safety 2. Sketching tools, equipment, materials and supplies 3. Sketching techniques | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Develop freehand garment pattern pieces. | 1. Drafting basic free hand patterns. 2. Development of basic free hand pattern pieces. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Lay and Cut garment pieces. | 1. Cutting tools, equipment, materials and supplies 2. Principles of free hand cutting 3. Free hand cutting techniques 4. Taking body measurements 5. The basic free hand patterns    1. Basic Shirt    2. Basic Shorts    3. Basic Trousers 6. Bundling techniques | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Construct selected garment. | 1. Garment construction tools, equipment, materials and supplies 2. Sewing techniques:    1. Stitches    2. Seams    3. Garment details    4. Handling special fabrics 3. Garments assembling. | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Finish constructed garment. | 1. Garment finishing tools, equipment, materials and supplies 2. Garment finishing methods and techniques | * Practical * Project * Oral assessment * Written assessment * Third party report |
| 1. Display and package garment. | 1. Garment display tools, equipment, materials and supplies 2. Principles of garment displaying 3. Types of garment display 4. Methods of displaying garment. 5. Garment photography 6. Packaging of garments | * Practical * Project * Oral assessment * Written assessment * Third party report |

**Suggested Methods of Instruction:**

* Direct instruction
* Project
* Discussions
* Demonstration by trainer
* Practice by the trainee

**List of Recommended Resources:**

**Recommended Resources for 25 Trainees**

MODULE II

**STYLED GARMENTS PRODUCTION**

**UNIT CODE: 0212 251 04A**

**UNIT DURATION:** **300 HOURS**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: produce styled garments.

**UNIT DESCRIPTION:** This unit covers the competencies required to produce garment designs. It involves produce styled skirt, produce styled trouser, produce styled short, produce styled blouse and produce styled dress.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Produce styled skirt | 60 |
|  | Produce styled trouser | 60 |
|  | Produce styled short | 60 |
|  | Produce styled blouse | 60 |
|  | Produce styled dress | 60 |
| **Totals** | | **300** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Produce styled skirt | * 1. **Personal protective equipment** * Dust coat * Safety shoes * Face mask * Thimble   1. **Garment making tools and equipment**   **Tools**   * Drawing * Measuring * Cutting * Marking * Basic sewing * Finishing   **Equipment**   * Cutting * Display * Sewing machine * Interpretation of skirt design * Fabric and accessories * Laying of garment design patterns pieces on the fabric   1. Pattern instruction * Folds * Notches/balance marks * Straight grain * Pattern size * Style number * Number of pieces to be cut * Centre back and centre front * Name of pattern * Seam allowances * Construction lines * Scale   1. Garment pieces cutting   **Skirt pieces**   * Back skirt * front skirt * Waistband * pocket   **Types of skirts**   * A-line skirt * Skirt with a flounce * Panel skirt * Skirt with godets | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Produce styled trousers | * 1. **Garment making tools and equipment**   **Tools**   * Cutting * Marking * Drawing   **Equipment**   * Cutting * Display * Camera * Sewing machine   1. Trouser design Interpretation   2. Types of trouser      + Pleated trouser      + Cargo trousers      + Flayered trousers      + Fitted trousers   3. Fabric and accessories   4. Laying of garment pattern pieces on the fabric   5. Garment pieces cutting   **Trouser pieces**   * Back trouser * Front trouser * Pockets * Waist band * Pocket facings * Pocket flaps   1. Garment assembly   2. Garment finishing * Hemming * Attaching fasteners * Pressing/ironing * Trimming hanging threads   1. Garment display.   Ways of displaying garments   * Displaying cases * Hangers * Shelves * Dummies * Frames   1. Housekeeping activities * Cleaning of tools and equipment * Cleaning of the work area * Proper storage of tools and equipment | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Produce styled   Shorts | * 1. Garment making tools and equipment   2. Ways of transferring pattern marks * Notching * Snipping * Drilling * Tacking   1. Interpretation of short design.   2. Selection of fabric and accessories   3. Laying garment design pattern pieces.   4. Cutting garment pieces   5. Construction of short design   6. **Garment finishing**   7. Displaying of constructed shorts   8. ways of displaying garments * Displaying cases * Hangers * Shelves * Dummies * Frames   1. Housekeeping activities * Cleaning tools and equipment * Cleaning the work area * Proper storage of tools and equipment | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Produce styled blouse | * 1. blouse design Interpretation   2. Fabric and accessories   3. Laying garment design pattern pieces   4. Cutting of garment pieces   5. Construction of garment design   6. Garment finishing * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads   1. Garment display   2. Ways of displaying garments * Displaying cases * Hangers * Shelves * Dummies * Frames   1. Housekeeping activities * Cleaning tools and equipment * Cleaning the work area * Proper storage of tools and equipment | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Produce styled dress | 1. Dress design Interpretation 2. Selected fabric and accessories 3. Laying garment pattern pieces 4. Cutting garment pieces 5. Dress assembling 6. Dress finishing  * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Garment display 2. Ways of displaying garments  * Displaying cases * Hangers * Shelves * Dummies * Frames  1. Housekeeping activities  * Cleaning tools and equipment * Cleaning the work area * Proper storage of tools and equipment | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Discussions
* Direct Instruction
* Demonstration
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
|  | **Learning materials** |  |  |  |
| Reference books | 1. Melita M,N.(2005)Needlework for school(2nd ed) Nelson, Thornes Publisher: Cheltenham UK 2. Aldrich, W.(2011)Metric pattern cutting for menswear 5th ed. Wiley Blackwell Publishers. 3. Aldrich.(2015)Metric pattern cutting for women 6th ed. Wiley Publishers. | 5pcs | 1:5 |
|  | Learning facilities & infrastructure |  |  |  |
| Lecture/theory room | 60m2 | 1 | 1:25 |
| **3** | Workshop | 150m2 | 1 | 1:25 |
| Consumable materials |  |  |  |
| Tailors chalk | Assorted | 2pkts | 1:1 |
| Fasteners | Assorted | 25pcs | 1:1 |
| Pins | Assorted | 25pkts | 1:1 |
| Needles | Assorted | 25pkts | 1:1 |
| Fabric | Assorted | 50Mtrs | 2:1 |
| Interfacing | Assorted | 5Mtrs | 1:5 |
| Stitching threads | Assorted | 25pcs | 1:1 |
| Stationery | Assorted | 25pcs | 1:1 |
| Trimmings | Assorted | 25pcs | 1:1 |
| Brown paper |  | 25pcs | 1:1 |
| Plain paper |  | 25pcs | 1:1 |
| Twin thread | Assorted | 25pcs | 1:1 |
|  | **Tools and Equipment** | | | |
|  | Working surface |  | 25 | 1:1 |
| Sewing machines |  | 13 | 1:2 |
| Ppes |  | 25pcs | 1:1 |
| Assorted scissors |  | 25 | 1:1 |
| Tracing wheel |  | 25pcs | 1:1 |
| Tape measure |  | 25pcs | 1:1 |
| Seam ripper |  | 25pcs | 1:1 |
| Meter rule |  | 25pcs | 1:1 |
| 30 cm ruler |  | 25pcs | 1:1 |
| Set square |  | 25pcs | 1:1 |
| Thimble |  | 25pcs | 1:1 |
| French curve |  | 25pcs | 1:1 |
| Hip curve |  | 25pcs | 1:1 |
| Ironing board/surface |  | 3 | 1:8 |
| Assorted Irons |  | 3 | 1:8 |
| Mirror | Full length | 1 | 1:25 |
| Assorted mannequins |  | 3 | 1:8 |
| Hangers |  | 25pcs | 1:1 |
| First aid kit | Full set | 1pc | 1:25 |

**DECORATED FABRICS PRODUCTION (TIE &DIE AND PRINTING)**

**UNIT CODE: 0212 351 05A**

**UNIT DURATION: 120 HOURS**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Produce Decorated Fabrics

**UNIT DESCRIPTION:**

This unit covers the competencies required to produce decorated fabrics. It involves carry out fabric decoration planning, carry out fabric decoration and finish decorated fabrics.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Carry out fabric decoration planning. | 30 |
|  | Carry out fabric decoration. | 70 |
|  | Finish decorated fabrics | 20 |
| **Totals** | | **120** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Carry out fabric decoration planning | 1. Personal protective equipment  * Apron * Dust coat * Face mask * Safety shoes * Gloves  1. Fabric decoration tools and equipment   **Tools**   * Drawing tools * Basic sewing tools * Cutting and laying tools * Measuring tools * Finishing tools * Displaying tools   **Equipment**   * Computer and accessories * Stencils * Silk mesh * Squeegee * Camera * Sewing machine  1. Fabric decoration materials and supplies   **Materials**   * Dyes * Photo emulsion * Fabric * Bleach * Assorted threads * Assorted needles * Printing paste  1. Design specification  * Realistic design * Abstract design * Stylized design * Geometric design | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Carry out fabric decoration | * 1. Personal protective equipment * Apron * Dust coat * Face mask * Safety shoes * Gloves   1. Preparation of decoration ingredients   2. Fabric preparation * Stain removal * Crease removal * Fabric wetting * Bleaching * Scouring   1. Fabric decoration * Tie and dye * Printing | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Finish decorated fabrics | 1. Fabric oxidation 2. Fabric rinsing 3. Fabric drying 4. Fabric pressing 5. Labelling of decorated fabric 6. Packaging of decorated fabric   3.6.1 Categories of packaging   * Display * Storage * Shipping.  1. Storage of decorated fabric 2. Storage Methods  * Boxes * Hangers * Shelves  1. Housekeeping activities  * Cleaning tools and equipment * Cleaning the work area * Proper storage of tools and equipment | * Practical * Portfolio of evidence * Third party report * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | Category/item | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| **Learning materials** | | | | |
|  | Reference books | 1. K.mckelveyand J Munslow, Fashion design process, innovation and practice. John Wiley and sons limited. United Kingdom ,2nd edition 2. K.mckelvey and J Munslow,(2013),Fashion Design reference and specification.Rockport publishers. | 5pcs | 1:5 |
|  | Learning facilities infrastructure |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
|  | Consumable materials | | | |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 25pcs | 1:1 |
|  | Plain paper |  | 25pcs | 1:1 |
|  | Printing paste |  | 5kgs | 1:5 |
|  | Caustic soda |  | 15kgs | 1:3 |
|  | Assorted dyes |  | 15kgs | 1:3 |
|  | Assorted fabrics |  | 15rolls | 1:3 |
|  | Bleach |  | 15litrs | 1:3 |
|  | Water |  | 15ltrs | 1:3 |
|  | Hydro sulphate |  | 15kgs | 1:3 |
|  | Twine thread | Assorted | 25pcs | 1:1 |
|  | Soaps |  | 5bars | 1:5 |
|  | Detergents |  | 15liters | 1:3 |
|  | Lighter/matchstick | Enough |  |  |
|  | 6 kg Gas cylinder and burner |  | 5pcs | 1:5 |
|  | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 13 | 1:2 |
|  | Assorted scissors |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Desktop computers/laptops |  | 5pcs | 1:5 |
|  | Projector |  | 1pc | 1:25 |
|  | Assorted color of whiteboard markers | Assorted | 5pcs | 1:5 |
|  | Mobile phones |  | 25pcs | 1:1 |
|  | Working tables |  | 10pcs | 1:2 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Boxes Assorted Flash Cards |  | 5pcs | 1:5 |
|  | Pegs |  | 5packets | 1:5 |
|  | Assorted clips |  | 25pcs | 1:1 |
|  | Assorted spoons |  | 25pcs | 1:1 |
|  | Sufurias |  | 5pcs | 1:5 |
|  | Measuring jug |  | 25pcs | 1:1 |
|  | Electric kettle |  | 5pcs | 1:5 |
|  | Stirring rods |  | 25psc | 1:1 |
|  | Basins/ buckets |  | 25psc | 1:1 |
|  | Plotter vinyl cutter machine |  | 1pc | 1:25 |

MODULE III AND IV

DIGITAL LITERACY

**UNIT CODE:** 0611 451 01A

**Duration of Unit:** 40 Hours

**Relationship to Occupational Standards.**

This unit addresses the Unit of Competency: Apply Digital Literacy

**Unit Description**

This unit covers the competencies required to demonstrate digital literacy. It involves operating computer devices, solving tasks using the office suite, managing data and information, performing online communication and collaboration, applying cybersecurity skills, and performing jobs online.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
|  | **ELEMENTS** | **DURATION (HOURS)** |
| 1 | Operate computer devices | **6** |
| 2 | Solve tasks using office site | **14** |
| 3 | Manage data and information | **6** |
| 4 | Perform online communication and collaboration | **4** |
| 5 | Apply cybersecurity skills | **4** |
| 6 | Perform online jobs | **4** |
| 7 | Apply job entry techniques | **2** |
|  |  | **Total 40 Hours** |

**Learning Outcomes, Content, and Suggested Assessment Methods**

| **Learning Outcome** | **Content** | **Suggested**  **Assessment Methods** |
| --- | --- | --- |
| 1. Operate Computer Devices | * 1. Meaning and importance of digital literacy   2. Functions and Uses of Computers   3. Classification of computers   4. Components of a computer system   5. Computer Hardware      1. The System Unit E.g. Motherboard, CPU, casing      2. Input Devices e.g. Pointing, keying, scanning, voice/speech recognition, direct data capture devices.      3. Output Devices e.g. hardcopy output and softcopy output      4. Storage Devices e.g. main memory e.g. RAM, secondary storage (Solid state devices, Hard Drives, CDs & DVDs, Memory cards, Flash drives      5. Computer Ports e.g. HDMI, DVI, VGA, USB type C etc.   6. Classification of computer software   7. Operating system functions   8. Procedure for turning/off a computer   9. Mouse use techniques   10. Keyboard Parts and Use Technique   11. Desktop Customization   12. File and Files Management using an operating system   13. Computer Internet Connection Options       1. Mobile Networks/Data Plans       2. Wireless Hotspots       3. Cabled (Ethernet/Fiber)       4. Dial-Up       5. Satellite   14. Computer external devices management       1. Device connections       2. Device controls (volume controls and display properties) | * Practical assessment * Project * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Solve Tasks Using Office Suite | * 1. Meaning and Importance of Word Processing   2. Examples of Word Processors   3. Working with word document      1. Open and close word processor      2. Create a new document      3. Save a document      4. Switch between open documents   4. Enhancing productivity      1. Set basic options/preferences      2. Help resources      3. Use magnification/zoom tools      4. Display, hide built-in tool bar      5. Using navigation tools   5. Typing Text   6. Document editing (copy, cut, paste commands, spelling and Grammar check)   7. Document formatting      1. Formatting text      2. Formatting paragraph      3. Formatting styles      4. Alignment      5. Creating tables      6. Formatting tables   8. Graphical objects      1. Insert object (picture, drawn object)      2. Select an object      3. Edit an object      4. Format an object   9. Document Print setup      1. Page layout,      2. Margins set up      3. Orientation.   10. Word Document Printing   11. Meaning & Importance of electronic spreadsheets   12. Components of Spreadsheets   13. Application areas of spreadsheets   14. Using spreadsheet application       1. Parts of Excel screen: ribbon, formula bar, active cell, name box, column letter, row number, Quick Access Toolbar.       2. Cell Data Types       3. Block operations       4. Arithmetic operators (formula bar (-, +, \*, /).       5. Cell Referencing   15. Data Manipulation       1. Using Functions (Sum, Average, SumIF, Count, Max, Max, IF, Rank, Product, mode etc)       2. Using Formulae       3. Sorting data       4. Filtering data       5. Visual representation using charts   16. Worksheet printing   17. Electronic Presentations   18. Meaning and Importance of electronic presentations   19. Examples of Presentation Software   20. Using the electronic presentation application       1. Parts of the PowerPoint screen (slide navigation pane, slide pane, notes, the ribbon, quick access toolbar, and scroll bars).       2. Open and close presentations       3. Creating Slides (Insert new slides, duplicate, or reuse slides.)       4. Text Management (insert, delete, copy, cut and paste, drag and drop, format, and use spell check).       5. Use magnification/zoom tools       6. Apply or change a theme.       7. Save a presentation       8. Switch between open presentations   21. Developing a presentation       1. Presentation views          1. Slides          2. Master slide       2. Text       3. Editing text       4. Formatting       5. Tables   22. Chart       1. Using charts       2. Organization charts   23. Graphical objects       1. Insert       2. manipulate       3. Drawings   24. Prepare outputs       1. Applying slide effects and transitions       2. Check and deliver       3. Spell check a presentation       4. Slide orientation       5. Slide shows, navigation   25. Print presentations (slides and handouts) | * Practical assessment * Project * Portfolio of evidence * Third party report * Written assessment * Oral assessment |
| 1. Manage Data and Information | * 1. Meaning of Data and information   2. Importance and Uses of data and information   3. Types of internet services      1. Communication Services      2. Information Retrieval Services      3. File Transfer      4. World Wide Web Services      5. Web Services      6. Automatic Network Address Configuration      7. Newsgroup      8. Ecommerce   4. Types of Internet Access Applications   5. Web browsing concepts      1. Key concept      2. Security and safety   6. Web browsing      1. Using the web browser      2. Tools and setting      3. Clearing Cache and cookies      4. URIs      5. Bookmarks      6. Web outputs   7. Web based information      1. Search      2. Critical evaluation of information      3. Copyright, data protection   8. Downloads Management   9. Performing Digital Data Backup (Online and Offline)   10. Emerging issues in internet | * Portfolio of Evidence * Project * Written assessment * Practical assessment * Oral assessment |
| 1. Perform Online Communication And Collaboration | * 1. Netiquette principles   2. Communication concepts      1. Online communities      2. Communication tools      3. Email concepts   3. Using email      1. Sending email      2. Receiving email      3. Tools and settings      4. Organizing email   4. Digital content copyright and licenses   4/5 Online collaboration tools  4,5.1 Online Storage (Google Drive)   * + 1. Online productivity applications (Google Docs & Forms)     2. Online meetings (Google Meet/Zoom)     3. Online learning environments     4. Online calendars (Google Calendars)     5. Social networks (Facebook/Twitter - Settings & Privacy)   1. Preparation for online collaboration      1. Common setup features      2. Setup   2. Mobile collaboration      1. Key concepts      2. Using mobile devices      3. Applications      4. Synchronization | * Portfolio of Evidence * Project * Written assessment * Practical assessment * Oral assessment |
| 1. Apply Cybersecurity Skills | * 1. Data protection and privacy      1. Confidentiality of data/information      2. Integrity of data/information      3. Availability of data/information   2. Internet security threats      1. Malware attacks      2. Social engineering attacks      3. Distributed denial of service (DDoS)      4. Man-in-the-middle attack (MitM)      5. Password attacks      6. IoT Attacks      7. [Phishing Attacks](https://onlinedegrees.sandiego.edu/top-cyber-security-threats/#phishing-attacks)      8. [Ransomware](https://onlinedegrees.sandiego.edu/top-cyber-security-threats/#ransomware)   3. Computer threats and crimes   4. Cybersecurity control measures      1. Physical Controls      2. Technical/Logical Controls (Passwords, PINs, Biometrics)      3. Operational Controls   5. Laws governing protection of ICT in Kenya      1. The Computer Misuse and Cybercrimes Act No. 5 of 2018      2. The Data Protection Act No. 24 Of 2019 | * Portfolio of Evidence * Project * Written assessment * Practical assessment * Oral assessment |
| 1. Perform Online Jobs | * 1. Introduction to online working   2. Types of online Jobs   3. Online job platforms      1. Remotask      2. Data annotation tech      3. Cloud worker      4. Upwork      5. Oneforma      6. Appen   4. Online account and profile management   5. Identifying online jobs/job bidding   6. Online digital identity   7. Executing online tasks   8. Management of online payment accounts. | * Practical assessment * Portfolio of Evidence * Project * Written assessment * Oral assessment |
| 1. Apply job entry techniques | * 1. Types of job opportunities      1. Self-employment      2. Service provision      3. product development      4. salaried employment   2. Sources of job opportunities   3. Resume/ curriculum vitae      1. What is a CV      2. How long should a CV be      3. What to include in a AC      4. Format of CV      5. How to write a good CV      6. Don’ts of writing a CV   4. Job application letter      1. What to include      2. Addressing a cover letter      3. Signing off a cover letter   5. Portfolio of Evidence      1. Academic credentials      2. Letters of commendations      3. Certification of participations      4. Awards and decorations   6. Interview skills      1. Listening skills      2. Grooming      3. Language command      4. Articulation of issues      5. Body language      6. Time management      7. Honesty   7. Generally knowledgeable in current affairs and technical area | * Practical assessment * Portfolio of Evidence * Project * Written assessment * Oral assessment |

**Suggested Methods Instruction**

* Practical
* Demonstrations
* Project
* Group discussion
* Direct instruction

**Recommended Resources for 30 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/No. | Category/Item | Description/ Specifications | Quantity | Recommended Ratio  (Item: Trainee) |
| A | Learning Materials |  |  |  |
|  | Textbooks |  | 5 pcs | 1:6 |
|  | PowerPoint presentations | For trainer’s use |  |  |
|  | Projector |  | 1 | 1;30 |
|  | Whiteboard |  | 1 | 1;30 |
|  | Report writing templates |  |  |  |
|  | Rolls flip charts |  | 1 | 1;30 |
|  | Assorted color of whiteboard markers | For trainers Use |  |  |
| B | Learning Facilities & infrastructure |  |  |  |
|  | Lecture/theory room |  | 1 | 1:30 |
|  | Computer Laboratory |  | 1 | 1:30 |
| C | Consumable materials |  |  |  |
|  | Assorted whiteboard markers |  | 30 | 1:1 |
|  | Internet connection |  | 200 mbps | - |
|  | Antivirus Software |  |  | - |
|  | Printing Papers |  | Enough | - |
|  | External storage media |  | 1 tb | - |
| D | Tools and Equipment |  |  |  |
| 1. | Printers |  | 2 pcs | 2:30 |
| 2. | Computers | With Windows /Linux/Macintosh Operating System, Microsoft Office Software, Google Workspace Account, Antivirus Software | 30pcs | 1:1 |
| 3. | Mobile phones |  | 10 | 10:30 |

**References**:

*Digital literacy framework* by future Learn. [www.futurelearn.com](http://www.futurelearn.com)

Pegrum, M., Hockly, N., & Dudeney,G (2022). *Digital literacies* (2nd ed.). Routledge

## **COMMUNICATION** **SKILLS**

**UNIT CODE:** **0031 541 02A**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply Communication Skills

**Duration of Unit:** 40 hours

**Unit Description**

This unit covers the competencies required to demonstrate communication skills. It involves apply communication channels, apply written communication skills, apply non-verbal skills apply oral communication skills, apply group communication skills.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply communication channels. | 10 |
|  | Apply written communication skills. | 12 |
|  | Apply non-verbal skills. | 4 |
|  | Apply oral communication skills. | 4 |
|  | Apply group communication skills. | 10 |
| **Totals** | | **40** |

**Learning Outcomes, Content, and Suggested Assessment Methods**

| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| --- | --- | --- |
| 1. Apply communication channels | * Communication process * Principles of effective communication * Channels/medium/modes of communication * Factors to consider when selecting a channel of communication * Barriers to effective communication * Flow/patterns of communication * Sources of information * Organizational policies | * Oral questions * Written assessment * Observation * Portfolio of Evidence * Practical assessment * Third party report |
| 1. Apply written communication skills | * Types of written communication * Elements of communication * Organization requirements for written communication | * Oral assessment * Written assessment * Observation * Portfolio of Evidence * Practical assessment * Third party report |
| 1. Apply non-verbal communication skills | * Utilize body language and * Gestures * Apply body posture * Apply workplace dressing code | * Oral assessment * Written assessment * Observation * Portfolio of Evidence * Practical assessment * Third party report |
| 1. Apply oral communication skills | * Types of oral communication pathways * Effective questioning techniques * Workplace etiquette * Active listening | * Oral assessment * Written assessment * Observation * Portfolio of Evidence * Practical assessment * Third party report |
| 1. Apply group communication skills | * + Establishing rapport   Facilitating resolution of issues   * + Developing action plans   + Group organization techniques   + Turn-taking techniques   + Conflict resolution techniques   + Team-work | * Oral assessemnt * Written assessment * Observation * Portfolio of Evidence * Practical assessment |

**Suggested Methods of Instruction**

* Discussion
* Roleplaying
* Simulation
* Direct instruction
* Demonstration
* Field trips

**Recommended Resources for 25 trainees**

|  |  |  |
| --- | --- | --- |
| **General Resources** | **Tools and Equipment** | **Materials and Supplies** |
| 25 Desktop computers/laptops | Mobile phones | Flashcards |
| Internet connection |  | Flip charts |
| 1 Projector  1 Printer |  | 2 packets of assorted colors of whiteboard marker pens |
| 1 Whiteboard |  | Printing papers |
| Report writing templates |  |  |

**MODULE IV**

WORK ETHICS AND PRACTICES

**UNIT CODE:** 0417 451 03A

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply work ethics and practices.

**Duration of Unit: 4**0 hours

**Unit Description**

This unit covers competencies required to demonstrate employability skills. It involves the ability to: conduct self-management, promote ethical work practices and values, promote teamwork, manage workplace conflicts, maintain professional and personal development, apply problem-solving, and promote customer care.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No** | **Learning Outcomes** | **Duration (Hours)** |
|  | Apply self-management skills | **10** |
|  | Promote ethical practices and values | **4** |
|  | Promote Teamwork | **10** |
|  | Maintain professional and personal development | **10** |
|  | Apply Problem-solving skills | **4** |
|  | Promote Customer care. | **2** |
| **Total** | | **40** |

**Learning Outcomes, Content, and Suggested Assessment Methods**

| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| --- | --- | --- |
| 1. Apply self-management skills | * Self-awareness * Formulating personal vision, mission, and goals * Healthy lifestyle practices * Strategies for overcoming work challenges * Emotional intelligence   Coping with Work Stress.  Assertiveness versus aggressiveness and passiveness   * Developing and maintaining high self-esteem * Developing and maintaining positive self-image * Time management * Setting performance targets * Monitoring and evaluating performance targets | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |
| 1. Promote ethical work practices and values | * Integrity * Core Values, ethics and beliefs * Patriotism * Professionalism * Organizational codes of conduct * Industry policies and procedures | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |
| 1. Promote Teamwork | * Types of teams * Team building * Individual responsibilities in a team * Determination of team roles and objectives * Team parameters and relationships * Benefits of teamwork * Qualities of a team player * Leading a team * Team performance and evaluation * Conflicts and conflict resolution * Gender and diversity mainstreaming * Developing Healthy workplace relationships * Adaptability and flexibility * Coaching and mentoring skills | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |
| 1. Maintain professional and personal development | * Personal vs professional development and growth * Avenues for professional growth * Recognizing career advancement * Training and career opportunities * Assessing training needs * Mobilizing training resources * Licenses and certifications for professional growth and development * Pursuing personal and organizational goals * Managing work priorities and commitments * Dynamism and on-the-job learning | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |
| 1. Apply Problem-solving skills | * Causes of problems * Methods of solving problems * Problem-solving process * Decision making * Creative thinking and critical thinking process in development of innovative and practical solutions | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |
| 1. Promote Customer Care | * Identifying customer needs * Qualities of good customer service * Customer feedback methods * Resolving customer concerns * Customer outreach programs * Customer retention | * Observation * Written assessment * Oral assessment * Third party reports * Portfolio of evidence * Project * Practical |

**Suggested Methods of Instruction**

* Instructor lead facilitation of theory using active learning strategies.
* Demonstrations
* Simulation/Role play
* Group Discussion
* Presentations
* Projects
* Case studies
* Assignments

**Recommended Resources for 25 Trainees**

* Computers
* Stationery
* Charts
* Video clips
* Audio tapes
* Radio sets
* TV sets
* LCD projectors

ENTREPRENEURIAL SKILLS

**UNIT CODE:** **0413 541 04A**

**Relationship to occupational standards**

This unit addresses the unit of competency: Apply Entrepreneurial skills.

**Duration of unit: 40 hours**

**Unit Description:**

This unit covers the competencies required to demonstrate an understanding of entrepreneurship. It involves applying financial literacy skills, apply entrepreneurial concept, identify entrepreneurial opportunities, apply business legal aspects, innovate business strategies and develop business plan.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply financial literacy skills | 6 |
|  | Apply the entrepreneurial concept | 4 |
|  | Identify entrepreneurial opportunities | 6 |
|  | Apply business legal aspects | 6 |
|  | Innovate business strategies | 6 |
|  | Develop business plan | 12 |
| **Totals** | | **40** |

**Learning Outcomes, Content and Suggested Assessment Methods**

| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| --- | --- | --- |
| Apply financial literacy | 1. Personal finance management 2. Balancing between needs and wants 3. Budget Preparation 4. Saving management 5. Factors to consider when deciding where to save 6. Debt management 7. Factors to consider before taking a loan 8. Investment decisions 9. Types of investments 10. Factors to consider when investing money 11. Insurance services 12. insurance products available in the market 13. Insurable risks | * Observation * Project * Written assessment * Oral assessment * Third party report * Interviews |
| 2.Apply entrepreneurial concept | 1. Difference between Entrepreneurs and Business persons 2. Types of entrepreneurs 3. Ways of becoming an entrepreneur 4. Characteristics of Entrepreneurs 5. salaried employment and self-employment 6. Requirements for entry into self-employment 7. Roles of an Entrepreneur in an enterprise 8. Contributions of Entrepreneurship | * Observation * Project * Written assessment * Oral assessment * Third party report |
| 3.Identify entrepreneurship opportunities | 1. Sources of business ideas 2. Factors to consider when evaluating business opportunity 3. Business life cycle | * Observation * Project * Written assessment * Oral assessment * Third party report |
| 4.Apply business legal aspects | 1. Forms of business ownership 2. Business registration and licensing processing 3. Types of contracts and agreements 4. Employment laws 5. Taxation laws | * Observation * Project * Written assessment * Oral assessment * Third party report |
| 5.Innovate business Strategies | 1. Creativity in business 2. Innovative business strategies 3. Entrepreneurial Linkages 4. ICT in business growth and development | * Observation * Project * Written assessment * Oral assessment * Third party report |
| 6.Develop Business Plan | 1. Business description 2. Marketing plan 3. Organizational/Management 4. plan 5. Production/operation plan 6. Financial plan 7. Executive summary 8. Business plan presentation 9. Business idea incubation | * Observation * Written assessment * Project * Oral assessment * Third party report |

**Suggested Methods of Instruction**

* Direct instruction with active learning strategies
* Project (Business plan)
* Case studies
* Field trips
* Group Discussions
* Demonstration
* Question and answer
* Problem solving
* Experiential
* Team training
* Guest speakers

**Recommended Resources for 25 Trainees**

* 5 Case studies
* 5 Business plan templates
* 10 Computers
* 1 Overhead projectors
* Internet
* Video clips
* 5 Newspapers and Handouts
* 5 Business Journals
* 25 sets of Writing materials

## **TEXTILE MATERIAL PRINCIPLES**

**UNIT CODE:** 0212 451 06A

**UNIT DURATION:** 120Hours

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply textile material principles.

**Unit Description**

This unit covers competences required to apply textile materials principles. It involves apply textile fiber classification, apply yarn formation, apply fabric formation, apply textile finishing, and apply textile care.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply textile fibre classification | 12 |
|  | Apply yarn formation | 29 |
|  | Apply fabric formation | 29 |
|  | Apply textile finishing | 28 |
|  | Apply textile care | 20 |
| **Totals** | | **120** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| * 1. Apply textile fibre classification | 1. Natural fibres    * 1. Classification of natural fibres    * Plant    * Animal    * Mineral      1. Production processes of natural fibres.      2. Fibre identification.      3. Properties of natural fibres      4. End uses of natural fibres 2. Man- made fibres 3. Classification of man-made fibres  * Regenerated * Synthetic  1. Production processes of natural fibres. 2. Fibre identification. 3. Properties of man-made fibres 4. End uses of man-made fibres | * Practical * Project * Third party evidence * Written assessment * Oral assessment |
| * 1. Apply yarn formation | 1. Definition of terms    * + yarns      + filament yarns      + spun yarns 2. Types of yarns.  * Single yarns. * Plied yarns. * Corded yarns. * Blended yarns. * Fancy yarns. * Combed yarn. * Textured yarn.  1. Classification of textile yarns.  * Filament * Spun  1. Properties of yarns. 2. Methods of yarn formation.  * Melt spinning. * Dry spinning * Wet spinning. * Ring spinning. * Open ended spinning. * Silk reeling and throwing. | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| * 1. Apply fabric formation | 1. Fabric formation methods.  * Weaving * Plain weave * Twill weave * Satin weave  1. Properties of woven fabrics.  * Tearing strength * Tensile strength * Abrasion resistance * Air permeability * Absorbency * Knitting. * Warp knitting. * Weft knitting.  1. Properties of knitted fabric  * Stretchy * Flexile * Breathable * Wrinkle-resistant * Light weight * Comfortable * Felting. * Bonding. | * Practical * Project * Third party evidence * Written assessment * Oral assessment |
| * 1. Apply textile finishes | 1. Classification of textile finishes.  * Preparatory finishes. * Mechanical finishes. * Chemical finishes.  1. Importance of textile finishes. 2. Textile coloration techniques  * Dyeing * Printing * Batik  1. Colour fastness testing 2. Methods of testing colour fastness.  * Wash testing * Perspiration testing * Abrasion test | * Practical * Project * Third party evidence * Written assessment * Oral assessment |
| * 1. Apply textile care | 1. Care symbols  * Washing * Drying * Dry cleaning * Bleaching * Ironing  1. Types of stains. 2. Stain removal methods  * Blotting the stain * Applying stain remover * Soaking in cool water * Use of vinegar  1. Textile cleaning method.  * Hand friction * Machine washing. * Dry cleaning.  1. Textile storage methods.  * Closets. * Drawers. * Hangers. | * Practical * Project * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Viewing of related videos
* Discussion
* Direct Instruction
* Demonstrations
* Visiting a textile mill

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/No** | | **Category/item** | **Description/specifications** | | **Quantity** | | **Recommended Ratio** | |
| **1.** | | **Learning materials** |  | |  | |  | |
|  | | Reference books | Introduction to textiles  Kanwar Varinder pal Singh  A handbook of textile  3rd edition  Ann M Collier. | | 5pcs | | 1:5 | |
| **2** | **Learning facilities & infrastructure** | | |  | |  | |  |
|  | Lecture/theory room | | | 60m2 | | 1 | | 1:25 |
|  | Workshop | | | 150m2 | | 1 | | 1:25 |
| **3** | **Consumable materials** | | |  | |  | |  |
|  | Samples fibres | | | Assorted | | 25 grams | | 1:1 |
|  | Samples of yarns | | | Assorted | | 25 grams | | 1:1 |
|  | samples of fabrics | | | Assorted | | 25 cm | | 1:1 |
|  | Laundering agents | | | Assorted | | 5 litres | | 1:25 |
|  | Chemicals | | | Assorted | | 1 litres | | 1:25 |
| **4** | **Tools and Equipment** | | |  | |  | |  |
|  | Working stations | | |  | | 25 | | 1:1 |
|  | Basins/ buckets | | |  | | 25 | | 1:1 |
|  | PPEs | | |  | | 25pcs | | 1:1 |
|  | Assorted scissors | | |  | | 25 | | 1:1 |
|  | Tape measure | | |  | | 25pcs | | 1:1 |
|  | Microscopes | | |  | | 13pcs | | 1:2 |
|  | Bunsen’s burner | | |  | | 13pcs | | 1:2 |
|  | 30 cm ruler | | |  | | 25pcs | | 1:1 |
|  | Beakers | | |  | | 13pcs | | 1:2 |
|  | Ironing board | | |  | | 5 | | 1:5 |
|  | Pictures | | |  | | 25 | | 1:1 |
|  | Magnifying glasses | | |  | | 5 | | 1:5 |
|  | Hangers | | |  | | 25pcs | | 1:1 |
|  | First aid kit | | | Full set | | 1pc | | 1:25 |
|  | Weighing scale | | |  | | 5pc | | 1:25 |

## **FASHION DESIGN AND SKETCHING**

**UNIT CODE:** 0212 451 07A

**UNIT DURATION: 80 Hours**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply fashion design and sketching

**Unit Description**

This unit covers competencies required to apply fashion design and sketching. It involves apply elements and principles of designs, sketch fashion figure, sketch fashion design details, carry out fashion design process and perform design presentation.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply elements and principles of design. | 16 |
|  | Sketch fashion figure. | 16 |
|  | Sketch fashion design details. | 16 |
|  | Carry out fashion design process. | 16 |
|  | Perform design presentation**.** | 16 |
| **Totals** | | **80** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Apply elements and principles of design. | 1. Design elements. 2. Design principles. 3. Application of design elements and principles on sketches. | * Practical * Project * Third party evidence * Written assessment * Oral assessment |
| 1. Sketch fashion figure. | 1. Sketching tools, equipment and materials 2. Sketching basic human anatomy.  * Female 8-head figure * Male 8-head figure * Child figure  1. Sketching fashion poses. | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Sketch fashion design details | 1. Analysis of Fashion design details 2. Sketching fashion design details. 3. Applying design details on a garment | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Carry out fashion design process | 1. Preparation of the design brief. 2. Application of Inspiration sources.  * Geographical * Historical * Contemporary * Other designers work * Creativity  1. Conducting fashion trend research.  * Definition of fashion trends. * Sources of trend research. * Research methods and tools. * Trend analysis. * Presenting and applying research.  1. Design creative process.  * Ideas sketch. * Design development. * Production or working sketch. * Presentation sketch. | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Perform design presentation | 1. Using of design presentation tools and equipment.  * Computers * Projectors. * White board. * Pin up board. * Smart board.  1. Design presentation techniques.  * Mood board. * CAD * Power point presentation. | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Viewing of related videos
* Discussion
* Direct Instruction.
* Demonstration.

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| **1.** | **Learning materials** |  |  |  |
|  | Reference books | 1. K.McKelveyand J Munslow, Fashion design process, innovation and practice. John Wiley and sons limited. United Kingdom ,2nd edition 2. K.McKelveyand J Munslow,(2013),Fashion Design reference and specification. Rockport publishers. | 5pcs | 1:5 |
| **2** | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| **3** | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Brown paper |  | 1 roll | 1:25 |
|  | Plain paper |  | 5 reams | 1:5 |
|  | Twine thread |  | 5 balls | 1:5 |
| **4** | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 1 | 1:25 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Paper scissors |  | 25 | 1:1 |
|  | Shears |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Desktop computers/laptops |  | 13 | 1:2 |
|  | Projector |  | 1pc | 1:25 |
|  | Smart mobile phones |  | 25pcs | 1:1 |
|  | Working tables |  | 13pcs | 1:2 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Assorted Flash Cards |  | 5pcs | 1:5 |

PATTERN CONSTRUCTION AND GRADING PRINCIPLES

**UNIT CODE:** 0212 451 10A

**UNIT DURATION:** 160Hours

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply pattern construction principles

**Unit Description**

This unit covers competencies required to apply pattern construction and grading principles. It involves plan pattern construction, sketch garment design, draft garment pattern pieces and grade constructed pattern pieces.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan pattern construction. | 40 |
|  | Sketch garment designs. | 40 |
|  | Draft garment pattern pieces. | 40 |
|  | Grade constructed pattern pieces. | 40 |
| **Totals** | | **160** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan pattern construction | 1. Pattern drafting Tools and equipment 2. Use, care and storage of pattern drafting Tools and equipment 3. Pattern construction materials and supplies. 4. Standard body measurements 5. size chart measurements Identification | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Sketch garment designs | 1. Sketching tools, equipment and materials 2. Tools  * Charcoal * Coloured pencils * Crayons * Assorted pencils * Sketch pad * Eraser  1. Equipment  * Computer * Working tables  1. Garment design sketches  * skirts * blouses * trousers * dresses  1. Garment design details  * Panels * Pockets * Sleeves * Collars * Cuffs * Yokes * Gathers | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Draft garment pattern pieces | 1. PPEs.  * Dustcoats * Closed flat shoes  1. Geometric principles  * Construction lines * Shapes  1. Taking body measurements 2. Basic blocks construction  * Bodice * Shirt * Trouser * Sleeve * Skirt * Dress  1. Working patterns Development 2. Final patterns production   Seam allowances   * Grain lines * Number of cuts * Name of pattern * Size | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Grade constructed pattern pieces | 1. Grading tools, equipment and supplies. 2. CAD software’s 3. Computer | * Observation * Oral questioning * Portfolio * practical assessment * Written test |

**Suggested Methods of Instruction**

* Viewing of related videos
* Discussion
* Direct Instruction
* Demonstration
* Lecturers

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/No** | | **Category/item** | **Description/specifications** | | **Quantity** | | **Recommended Ratio** | |
| **1.** | | **Learning materials** |  | |  | |  | |
|  | | Reference books | Metric pattern cutting for women 5th Winifred Aldrich  Pattern making by the flat pattern method  Carolyn J Kundel  Norma R Hullen | | 25 | | 1:1 | |
| **2** | **Learning facilities & infrastructure** | | |  | |  | |  |
|  | Lecture/theory room | | | 60m2 | | 1 | | 1:25 |
|  | Workshop | | | 150m2 | | 1 | | 1:25 |
| **3** | **Consumable materials** | | |  | |  | |  |
|  | 5 rolls Flip Charts | | | Assorted | | 2pkts | | 1:1 |
|  | Tailors pins | | |  | | 25pkts | | 1:1 |
|  | Brown paper | | |  | | 5rolls | | 1:5 |
|  | Plain paper | | |  | | 5reams | | 1:5 |
| **4** | **Tools and Equipment** | | |  | |  | |  |
|  | Working stations | | |  | | 25 | | 1:1 |
|  | PPEs | | |  | | 25pcs | | 1:1 |
|  | Paper scissors | | |  | | 25 | | 1:1 |
|  | Tape measure | | |  | | 25pcs | | 1:1 |
|  | Meter rule | | |  | | 25pcs | | 1:1 |
|  | 30 cm ruler | | |  | | 25pcs | | 1:1 |
|  | Plastic French curves | | |  | | 25pkts | | 1:1 |
|  | Assorted Tracing wheels | | |  | | 3 | | 1:8 |
|  | Assorted mannequins | | |  | | 3 | | 1:8 |
|  | Set squares | | |  | | 25sets | | 1:1 |
|  | First aid kit | | | Full set | | 1pc | | 1:25 |
|  | French curve | | |  | | 25 pcs | | 1:1 |
|  | Hip curve | | |  | | 25 pcs | | 1:1 |
|  | Laptops | | |  | | 5 | | 1:5 |

# 

## **FABRIC DECORATION (BATIK AND EMBROIDERY).**

**UNIT CODE:** 0212 451 08A

**UNIT DURATION: 120 Hours**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Produce (Batik and Embroidery)

**Unit Description**

This unit covers the competencies required to produce decorated fabrics. It involves carry out fabric decoration planning, carry out fabric decoration and finish decorated fabrics.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Carry out fabric decoration planning. | 40 |
|  | Carry out fabric decoration. | 40 |
|  | Finish decorated fabrics. | 40 |
| **Totals** | | **120** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Carry out fabric decoration planning | 1. PPEs 2. Types of PPEs  * Apron * Dust coat * Face mask * Safety shoes * Gloves  1. Importance of PPEs 2. Use, care and storage of PPEs 3. Batik tools and equipment. 4. Embroidery tools and equipment. 5. Use, care and storage of fabric decoration tools and equipment 6. Fabric decoration materials and supplies 7. Fabric decoration designs.  * Realistic design * Abstract * Stylized * Geometric | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Carry out fabric decoration | 1. PPEs  * Apron * Dust coat * Face mask * Safety shoes * Gloves  1. Fabric preparation. 2. Methods of fabric decoration  * Embroidery. * Batik | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Finish decorated fabrics | 1. Ways of finishing decorated fabric  * Ironing * Colour fasting * Starching * Trimming * Hemming  1. Ways of displaying fabrics  * Displaying cases * Hangers * Shelves * Cloth lines and pegs * Frames  1. Packaging of decorated fabric 2. Categories of packaging  * Display * Storage * shipping | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Direct instruction
* Project
* Case studies
* Field trips
* Discussions
* Demonstration by trainer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| **1.** | **Learning materials** |  |  |  |
|  | Reference books | 1. K.McKelveyand J Munslow, Fashion design process,innovation and practice.John Wiley and sons limited.United Kingdom ,2nd edition 2. K.McKelveyand J Munslow,(2013),Fashion Design reference and specification.Rockport publishers. | 5pcs | 1:5 |
| **2** | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| **3** | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:13 |
|  | Tailors carbon. |  |  | 1:3 |
|  | Manila paper. |  |  | 1:1 |
|  | Brown paper |  | 1 roll | 1:25 |
|  | Polythene papers |  |  | 1:2 |
|  | Old newspaper |  |  | 1:1 |
|  | Masking tape |  |  | 1:10 |
|  | Plain paper |  | 5 reams | 1:1 |
|  | Paraffin wax |  | 5kgs | 1:5 |
|  | Bee Wax. |  | 5kgs | 1:5 |
|  | Caustic soda |  | 15kgs | 1:3 |
|  | Assorted dyes |  | 15kgs | 1:3 |
|  | Assorted fabrics |  | 2 rolls | 1:13 |
|  | Hand embroidery thread. |  |  | 1:1 |
|  | Sewing machine embroidery thread. |  |  | 1:1 |
|  | Bleach |  | 15litrs | 1:3 |
|  | Water |  |  |  |
|  | Hydro sulphate |  | 15kgs | 1:3 |
|  | Lighter/matchstick  6 kg Gas cylinder and burner |  | 5pcs | 1:5 |
|  | Soaps |  | 5bars | 1:5 |
|  | Detergents |  | 15liters | 1:3 |
| **4** | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Embroidery machines. |  |  | 1:2 |
|  | Shears |  | 25 | 1:1 |
|  | Thread clippers. |  |  | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Desktop computers/laptops |  | 5pcs | 1:5 |
|  | Projector |  | 1pc | 1:25 |
|  | Assorted color of whiteboard markers |  | 5pcs | 1:5 |
|  | Smart mobile phones |  | 25pcs | 1:1 |
|  | Working tables |  | 10pcs | 1:2 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Assorted Flash Cards |  | 5pcs | 1:5 |
|  | Pegs |  | 5packets | 1:5 |
|  | Assorted clips |  | 25pcs | 1:1 |
|  | Assorted spoons |  | 25pcs | 1:1 |
|  | Sufurias |  | 5pcs | 1:5 |
|  | Measuring jug |  | 25pcs | 1:1 |
|  | Electric kettle |  | 5pcs | 1:5 |
|  | Stirring rods |  | 25psc | 1:1 |
|  | Basins/ buckets |  | 25psc | 1:1 |
|  | Embroidery hoops, |  | 25pcs | 1:1 |
|  | Hand and machine embroidery needles |  |  | 1:1 |

GENTS’ WEAR

**UNIT CODE:** 0212 451 11A

**UNIT DURATION: 240 Hours**

**Relationship to Occupational Standards:** This unit addresses the Unit of Competency: Produce gents’ wear.

**UNIT DESCRIPTION:**

This unit covers competencies required to produce gent’s wear. It involves plan gent’s garments construction, develop gent’s garment patterns, cut gent’s garment pieces, assemble gent’s garments and finish constructed gent’s garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan gent’s garments construction | 48 |
|  | Develop gent’s garment patterns | 48 |
|  | Cut gent’s garment pieces | 48 |
|  | Assemble gent’s garments | 48 |
|  | Finish constructed gent’s garments | 48 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan gent’s garments construction | 1. PPE’s  * Dust coat * Safety shoes * Face mask * Thimble  1. Use, care and storage of PPE’s 2. Clothing construction tools and equipment  * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools and equipment * Marking tools * Drawing tools * Display equipment * Camera * Sewing equipment. * Selection, use and care * Clothing construction materials and supplies  1. Gents’ Garment designs analysis    * + waist coat      + Blazer      + Coat      + Jacket      + Suit      + overalls | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Develop gent’s garment patterns | 1. PPEs  * Dust coat * Safety shoes * Face mask * Thimble  1. Gents’garment pattern pieces development 2. Pattern instructions 3. Cutting of the gents pattern pieces | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Cut gent’s garment pieces | 1. Gent’s garment basic pattern pieces 2. Transfer pattern markings 3. Ways of transferring pattern marks 4. Gents’ garment pieces cutting 5. Ways of bundling gents’garment pieces  * One garment in each bundle * Many garments in one bundle * Garment parts in one bundle | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Assemble gent’s garments | 1. Gents’ garment pieces construction  * Collars. * Sleeves. * Pockets * Openings * Facings * fly  1. Assembling gents’garment parts. 2. Neatening gents’garments | * Practical * Project * Portfolio of evidence * Third party report * Demonstrations * Observation |
| 1. Finish constructed gent’s garments | 1. Garments finishing  * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Ways of garment display  * Hanging * Display cases * Mannequins  1. Methods of garment packaging.  * Display packaging * Warehousing Packaging * Shipping packaging  1. Housekeeping activities.  * Cleaning of tools and equipment * Cleaning of the work area * Proper storage of tools and equipment | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| **1.** | **Learning materials** |  |  |  |
|  | Reference books | 1. Melita M,N.(2005)Needlework for school(2nd ed)Nelson,Thornes Publisher:Cheltenham UK 2. Aldrich,W.(2011)Metric pattern cutting for menswear 5th ed.Wiley Blackwell Publishers. | 5pcs | 1:5 |
| **2** | **Learning facilities&infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| **3** | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Fasteners | Assorted | enough | 1:1 |
|  | Pins | Assorted | 25pkts | 1:1 |
|  | Needles | Assorted | 25pkts | 1:1 |
|  | Fabric | Assorted | 50Mtrs | 2:1 |
|  | Interfacing | Assorted | 50Mtrs | 2:1 |
|  | Stitching Threads | Assorted | 25pcs | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Trimmings | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 1 roll | 1:25 |
|  | Plain paper |  | 1 ream | 1:25 |
| **4** | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Sewing machines |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Shears |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | Seam ripper |  | 25pcs | 1:1 |
|  | Meter rule |  | 25pcs | 1:1 |
|  | 30 cm ruler |  | 25pcs | 1:1 |
|  | Set square |  | 25pcs | 1:1 |
|  | Thimble |  | 25pcs | 1:1 |
|  | French curve |  | 25pcs | 1:1 |
|  | Hip curve |  | 25pcs | 1:1 |
|  | Ironing boards |  | 5 | 1:5 |
|  | Irons |  | 5 | 1:5 |
|  | Mirror | Full length | 4 | 1:6 |
|  | Assorted mannequins |  | 3 | 1:8 |
|  | Hangers |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 1pc | 1:25 |

LADIES’ WEAR

**UNIT CODE:** 0212 451 12A

**UNIT DURATION: 240 Hours**

**Relationship to Occupational Standards**:

This unit addresses the Unit of Competency: Produce Ladies’ Wear.

**Unit Description**

This unit covers competencies required to produce ladies’ wear. It involves plan for design and construction of ladies ‘garments , develop ladies’ garment patterns, cut ladies’ garment pieces, assemble ladies’ garments and finish constructed ladies’ garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan for design and construction of ladies’ garment | 48 |
|  | Develop ladies’ garment patterns | 48 |
|  | Cut ladies garment pieces | 48 |
|  | Assemble ladies’ garments | 48 |
|  | Finish constructed ladies’ garments | 48 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan for design and construction of ladies’ garment . | 1. PPEs  * Dust coat * Safety shoes * Face mask * Thimble  1. Clothing construction tools and equipment 2. Clothing construction materials and supplies. 3. Ladies garment designs analysis.   Skirt   * Blouse * Dress * Blazer * Coat * Trouser * Jumpsuit | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Develop ladies’ garment patterns. | 1. PPEs  * Dust coat * Safety shoes * Face mask * Thimble  1. Garment pattern pieces  * Tailored skirt * Easy fitting bodice * Close fitting bodice * One-piece sleeve * Two-piece sleeve * One-piece dress * Two-piece dress  1. Pattern instructions 2. Cut garment pattern pieces | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Cut ladies garment pieces. | 1. Laying of ladies’ garment pattern pieces 2. Factors to consider when laying pattern pieces  * Fabric design * Fabric faults * Style of the garment * Fabric width  1. Methods of transferring pattern markings. 2. Cutting of garment pieces 3. Cutting quality specification 4. Bundling of garment pattern pieces | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Assemble ladies’ garments. | 1. Construction of ladies’ garment pieces.  * Collars. * Facings. * Openings. * Pockets. * Sleeves.  1. Assembling ladies’ garment parts 2. Neatening ladies’ garments | * Practical * Project * Third party evidence * Written assessment * Oral assessment |
| 1. Finish constructed ladies’ garments. | 1. Garments finishing  * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Ladies’ garment display  * Hangers * Display cases * Dummies * Shelves  1. Ladies Garment packaging***.***  * Utility/ Display * Warehousing * Shipping  1. Housekeeping  * Cleaning of tools and equipment * Cleaning of the work area * Proper storage of tools and equipment | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Field trips
* Practice by trainee
* Question and answer
* Case studies

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| **1.** | **Learning materials** |  |  |  |
|  | Reference books | A.Fisher ,(2017) Construction For Fashion Design (basics fashion design )Bloomsbury Visual Art,2nd edition  M.M.Neal(2005),Needlework forschools,Nelson Thornes,Cheltenham united Kingdom ,2nd edition | 5pcs | 1:5 |
| **2** | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| **3** | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:13 |
|  | Brown paper |  | 1 roll | 1:25 |
|  | Plain paper |  | 2 reams | 1:13 |
| **4** | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 1 | 1:25 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Shears |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Desktop/ computers/laptops |  | 5pcs | 1:5 |
|  | Sets of T-Squares |  | 25pcs | 1:1 |
|  | Ironing boards |  | 5pcs | 1:5 |
|  | Cutting tables |  | 13pcs | 1:2 |
|  | Irons |  | 5pcs | 1:5 |
|  | Sleeve boards |  | 5pcs | 1:5 |
|  | Magic press |  | 1pc | 1:25 |
|  | Mannequins |  | 5pcs | 1:5 |
|  | Brown paper, |  | 1rolls | 1:25 |
|  | Plain paper, |  | 2 reams | 1:13 |
|  | Stitching thread |  | 2dozen | 1:25 |
|  | Tailors pins, |  | 25 pkts | 1:10 |
|  | Tailors chalk, |  | 2boxes | 1:13 |
|  | Assorted needles, |  | 25pcs | 1:1 |
|  | Hangers, |  | 2dozen | 1:10 |
|  | Assorted fabric, |  | 5 rolls | 1:5 |
|  | Interfacing, |  | 5rolls | 1:5 |
|  | Whiteboard |  | 1pc | 1:25 |
|  | Whiteboard markers |  | 5pcs | 1:5 |
|  | Electric sewing machines |  | 25pcs | 1:1 |
|  | Over lock machines |  | 1pc | 1:25 |
|  | Shears |  | 25pcs | 1:1 |
|  | Tracing wheels |  | 25 pcs | 1:1 |
|  | Tape measures |  | 25 pcs | 1:1 |
|  | Seam ripper |  | 25 pcs | 1:1 |
|  | Meter rule, |  | 25 pcs | 1:1 |
|  | 30 cm ruler |  | 25 pcs | 1:1 |
|  | Set squares |  | 25 pcs | 1:1 |
|  | thimble, |  | 25 | 1:1 |
|  | French curves |  | 25 | 1:1 |
|  | Hip curves, |  | 25 | 1:1 |
|  | Projector |  | 1pc | 1:25 |
|  | Smart mobile phones |  | 25pcs | 1:1 |
|  | Working tables |  | 13pcs | 1:2 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Assorted Flash Cards |  | 5pcs | 1:5 |
|  | Fasteners | Assorted | Enough | 1:1 |

**MODULE V, VI & VII**

GARMENT CUTTING PRINCIPLES

**UNIT CODE: 0723 551 12A**

**UNIT DURATION: 100 Hours**

**Relationship to Occupational Standards** This unit addresses the Unit of **Competency**: Apply garment cutting principles

**Unit Description**

This unit covers the competencies required to apply garment cutting principles. It involves applying pattern lay planning, conducting garment cutting, and conducting quality control inspection.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply pattern lay planning | 30 |
|  | Conduct garment cutting | 50 |
|  | Conduct quality control inspection | 20 |
| **Totals** | | **100** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Apply pattern lay planning | * 1. PPEs   1.1.1 Types of PPEs   * Dust coat * Safety shoes * Face mask * Thimble   1.1.2 Importance of PPEs.  1.1.3 Factors to consider when selecting PPEs.  1.2 Pattern lay planning tools, equipment’s and materials   * + 1. Definition of the term lay planning   1.2.2 Types of tools and equipment   * Tape Measure * Pattern Master * Pencils, Pens, and Markers * Pattern Paper * French Curve * L-Square Ruler * Curve Ruler * Pattern notcher * Pattern weights * Fabric spreader machine   1. Placing of pattern pieces on marker * Placing on straight grain * Placing on cross grain   1. Fabric spreading   1.4.1 Define the term fabric spreading  1.4.2 Methods of spreading   * Stationary spreading * Manual spreading   1. Marker laying      1. Define the term marker laying      2. Factors to consider when laying makers      3. Procedures of laying markers | * Practical * Portfolio of evidence * Third Party report * Written tests * Oral tests |
| 1. Conduct garment cutting | 2.1 Cutting tools and equipment  2.1.1 Types of cutting tools and equipment   * Fabric shears * Scissors * Thread snippers * Pinking shears * Seam ripper * Rotary cutters * Straight fabric cutting machine, * Band knife.   2.1.2 Care maintenance and storage of cutting machines.  2.1.3 Factors to consider when selecting cutting tools and equipment   * Cost * Durability. * Purpose. * Quality. * Size of the lay/ number of the lay.   2.2 Garment cutting procedures  2.3 Transfer of Structural details   * Darts * Pocket position * Pleat position * Buttons.   1. Bundling of cut garment pieces      1. Define the term bundling      2. Methods of bundling cut garment pieces | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Conduct quality control inspection | * 1. Garment construction quality control.   3.1.1 Definition of terms   * Inspection * Quality control   3.1.2 Quality control measures   * Fabric inspection * Fabric spreading inspection * Fabric cutting inspection * Garment inspection   3.1.3 Fabrics defects   * Stains * Holes * Missing picks * Snagging   1. Garment construction quality control policies. * Fabric inspection * Pattern and sample approval * Cutting quality   1. Quality control findings. * Raw material findings * Cutting stage findings | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Presentations and practical demonstrations by trainer;
* Guided learner activities and research to develop underpinning knowledge;
* Supervised activities and projects in a workshop;
* Industrial visits.

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | A.Fisher ,(2017) Construction For Fashion Design (basics fashion design )Bloomsbury Visual Art,2nd edition  M.M.Neal(2005),Needlework forschools,Nelson Thornes,Cheltenham united Kingdom ,2nd edition | 5pcs | 1:5 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 25pcs | 1:1 |
|  | Plain paper |  | 25pcs | 1:1 |
|  | Twin thread | Assorted | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Fabric Shears |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Hand needles |  | 25 pcs | 1:1 |
|  | Projector |  | 1pc | 1:25 |
|  | Sewing machines |  | 25 | 1:1 |
|  | Pin cushions |  | 25pcs | 1:1 |
|  | Cutting tables | 6ft by 4ft | 12 pcs | 1:2 |
|  |  |  |  |  |
|  | Tailors pins |  | 25 pkts | 1:1 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Assorted Flash Cards |  | 5pcs | 1:5 |

QUALITY CONTROL PRINCIPLES

**UNIT CODE: 0212 551 14A**

**UNIT DURATION: 100 hours**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply quality control principles

**Unit Description**: This unit covers the competencies required to apply textile quality control principles. It entails, calibrating textile equipment, operating textile quality control equipment, conducting textile process and conducting product quality control.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Calibrate textile equipment | 10 |
|  | Operate textile quality control equipment | 35 |
|  | Conduct textile process quality control | 35 |
|  | Conduct textile product quality control | 20 |
| **Totals** | | **100** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Calibrate textile equipment | * 1. PPEs   1.1.1 Types of PPEs   * Apron * Dust coat * Face mask * Safety shoes * Gloves * Eye glasses * Overalls   1.1.2 Factors to consider when selecting PPEs   * 1. Preparation of calibration checklist      1. Definition of the term calibration      2. Elements of a calibration checklist * Instrument details * Calibration standards * Calibration procedure * records   1. Calibration materials * Textile fibres * Yarns * Reagents   1. Calibration tools and equipment      1. Types of tools and equipment * Spanners * Tweezers * Screw driver * Yarn count machine * Microscope   1. Calibration standards      1. Define the term calibration standards.      2. Types of calibration standards * Colour * Length * Yarn count * Weight   1. Performance of calibration * Laboratory * Receiving   1. Equipment test run * Initial test run * Routine test run * Trial run * Failure test run   1. Calibration report * Report title identification * Calibration standards * Instrument condition * Calibration procedure * Calibration results   1. House-keeping activities   1.9.1 Types of house-keeping activities.   * Filling * Clearance of work station * Waste disposal * Stock taking | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Operate textile quality control equipment | * 1. Textile quality control material  1. Types of textile quality control materials  * Yarn * Greige fabric * Fibres * Finished fabric * Apparel   1. Equipment inspection  1. Types of inspection equipment  * Video cameras * Metal detectors * Visual inspection systems.  1. Factors to consider when selecting inspection equipment.    1. Equipment test run    2. Load Textile materials    3. Equipment operation | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Conduct textile process quality control | * 1. Textile processes  1. Types of textile processes  * Spinning * Weaving * Knitting * Printing * Dyeing * Bleaching  1. Properties of fabrics produced from textile processes.  * Absorbency * Lustre * Elasticity * Durability  1. Defects found on textile processed fabrics  * Broken yarns * Stains * Holes * Oil spots   1. Textile process quality control parameters * Pressure * Temperature * Tension * Density * Relative humidity   1. Textile process quality control tools and equipment * Weighing scale * pH meter * Hygrometer * Thermometer * Charts   1. Monitor textile process quality * Measure yarn counts * Inspecting of weaving defects * Check for uniform dye   1. Textile process quality report * Title identification * Executive summary * Production information * Raw material inspection results | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Conduct textile product quality control | * 1. Textile product quality control parameters * Count * Density * Strength * Weight * Colour fastness * Tensile strength * Shrinkage   1. Textile product quality control tools and equipment   4.2.1 Types of quality control tools and equipment   * Weighing scale * Trash analyser * Moisture meter   1. Preparation of textile quality control materials * sourcing sample fabrics * standardize testing * documenting the results * consistent monitoring   1. Sampling textile control materials * Random sampling * Systematic sampling * Stratified sampling * Cluster sampling   4.5 Textile product quality tests   * Colour fastness * Yarn strength * Dimensional change * Abrasion * Pilling * Defects   1. Textile product quality test report * Title identification * Executive summary * Production information * Raw material inspection results   1. Housekeeping activities * Maintain equipment * Waste management * Safety checks * Inventory management | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Practical
* Presentation
* Group discussion
* Demonstration
* Industrial visits.

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S/No** | | **Category/item** | **Description/specifications** | | **Quantity** | | Recommended Ratio | |
| 1. | | Learning materials |  | |  | |  | |
|  | | Reference books | Goetsch,D.L &Davis,S.B(2020).Quality Management for Organizational :Introduction to total quality.9th ed.Pearson | | 13pcs | | 1:2 | |
| 2 | **Learning facilities & infrastructure** | | |  | |  | |  |
|  | Lecture/theory room | | | 60m2 | | 1 | | 1:25 |
|  | Workshop | | | 150m2 | | 1 | | 1:25 |
| 3 | **Consumable materials** | | |  | |  | |  |
|  | Yarns | | | Assorted | | 2pkts | | 1:1 |
|  | Pins | | | Assorted | | 25pkts | | 1:1 |
|  | Needles | | | Assorted | | 25pkts | | 1:1 |
|  | Fabric | | | Assorted | | 13Mtrs | | 1:2 |
|  | Interfacing | | | Assorted | | 5Mtrs | | 1:5 |
|  | Stitching threads | | | Assorted | | 5pcs | | 1:5 |
|  | Stationery | | | Assorted | | 25pcs | | 1:1 |
|  | Trimmings | | | Assorted | | 25pcs | | 1:1 |
|  | Plain paper | | |  | | 25pcs | | 1:1 |
|  | Twin thread | | | Assorted | | 5pcs | | 1:5 |
| 4 | **Tools and Equipment** | | |  | |  | |  |
|  | Working stations | | |  | | 25 | | 1:1 |
|  | Sewing machines | | |  | | 13 | | 1:2 |
|  | PPEs | | |  | | 25pcs | | 1:1 |
|  | Fabric scissors | | |  | | 25 | | 1:1 |
|  | Tape measure | | |  | | 25pcs | | 1:1 |
|  | Seam ripper | | |  | | 25pcs | | 1:1 |
|  | Meter rule | | |  | | 25pcs | | 1:1 |
|  | 30 cm ruler | | |  | | 25pcs | | 1:1 |
|  | Thimble | | |  | | 25pcs | | 1:1 |
|  | Ironing board/surface | | |  | | 3 | | 1:8 |
|  | Assorted Irons | | |  | | 3 | | 1:8 |
|  | First aid kit | | | Full set | | 1pc | | 1:25 |
|  | Weighing scale | | |  | | 1pc | | 1:25 |

### 

COMPUTER AIDED DESIGN

**UNIT CODE: 0613 551 01A**

**UNIT DURATION: 100 Hours**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Apply Computer Aided Design

**Unit Description**

This unit covers competencies required to apply computer aided design. It includes performing computer operations, developing digital designs, analysing digital designs and creating product prototypes.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Perform computer operations | 15 |
|  | Develop digital designs | 30 |
|  | Analyse digital designs. | 20 |
|  | Create product prototypes | 35 |
| **Totals** | | **100** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Perform computer operations. | * 1. Computer ergonomics  1. Definition of term 2. Types of computer ergonomics.  * Sitting posture * Work environment * Work technique  1. Factors to consider when observing computer ergonomics.    1. Computer peripherals       1. Definition of terms   Computer  Peripherals   * + 1. Types of computer peripherals * Input devices * Output devices * Storage devices * Printers * Scanners   1. Creation of files.   2. Creation of folder. | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Develop digital designs. | * 1. Analysing Design brief      1. Define design brief      2. Importance of design brief      3. Parts of a design brief      4. Steps of a design brief.   2. Preparation of a Design work plan * Define Project Scope and Objectives * Gather Necessary Resources * Develop Design Concepts * Set Up CAD Environment * Design Development   1. CAD software      1. Define the term software      2. Types of CAD software * Adobe illustrator * Adobe Photoshop * InDesign * Wilcom * Corel draw * Inkscape * Virtual showroom * Seemly.   1. Computer workspace dimensions * Width * Depth * Length   1. Importation of design * Prepare the Design Files * Open Your CAD Software * Choose the Correct Import Option * Adjust Import Settings * Modify Imported Design * Save and Export   1. Design manipulation * Rotation * Multiplying * Stretching * Resizing * Tracing * Overlapping * Cutting   1. Digital design details * Size * Colour * Colour combinations * Resolution   1. Digital designs are documented * Digital Design Files * Design Specifications (Tech Pack or Design Brief) * 3D Models or Renderings * Design Annotations and Comments * Metadata and File Properties | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Analyse digital designs. | * 1. Transfer of Digital designs * Network File Sharing * Cloud Storage and Sharing * Direct File Transfer (USB/Hard Drive) * Email (for Smaller Files) * FTP (File Transfer Protocol)   1. Verification of colour combination   + Monochrome   + Complementary   + Analogue   + Triadic   + Tetradic   1. Verification of repeat.   2. Workspace dimensions   + Width   + Depth   + length   1. Verification of motif proportions * Set Up a Measurement System * Use Scale Tools for Proportions * Verify Proportions with Reference Objects * Use the Measurement Tools * Check Motif Alignment and Symmetry * Use Proportional Grid or Guides   1. Preparation of digital design report * Title Page * Executive Summary * Design Objectives and Brief * Design Process Overview * Design Features and Specifications * Visual Representations of the Design * Challenges and Solutions | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Create product prototypes | * 1. Transfer of digital design * Preparing the Design for Transfer * Methods of Transfer * Transfer Settings and Data Integrity * Post-Transfer Verification * Collaboration and Feedback * Final Delivery   1. Production machine * Image machine * Embroidery machine * Fashion pattern plotter   1. Setting of machine operation * Machine Type Selection * Machine Parameters   1. Production of product sample   2. Analysing of product sample   3. Digital design prototypes * Conceptualizing the Design * Creating the Digital Model * Adding Materials and Textures * Assembling the Prototype * Simulation and Testing * Refining the Prototype   1. Housekeeping * Software and System Maintenance * Model and Drawing Integrity * Backup and Recovery | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Presentations and practical demonstrations by trainer;
* Guided learner activities and research to develop underpinning knowledge;
* Supervised activities and projects in a workshop;
* Industrial visits.

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **s/no** | **Category/item** | **Description/specifications** | **Quantity** | **Recommendation ratio**  **(item; Trainee)** |
|  | Reference books |  | 13 | 1:2 |
|  | Desktop computers/laptops |  | 25 | 1:1 |
|  | Operating system |  | 1 | 1:25 |
|  | Internet connection |  | 1 | 1:25 |
|  | 1 Projector |  | 1 | 1:25 |
|  | Assorted Flash Cards |  |  |  |
|  | 1 Whiteboard |  | 1 | 1:25 |
|  | Online pattern libraries |  | Assorted | 1:5 |

RESEARCH METHODS

**UNIT CODE: 0541 551 02A**

**UNIT DURATION: 100 Hours**

**Relationship to Occupational Standards.**

This unit addresses the Unit of Competency: Apply research methods

**Unit Description**

This unit covers competencies required to apply research methods. It involves preparing research proposal, applying research methods and analysing research findings.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Prepare research proposal | 10 |
|  | Apply research methods | 45 |
|  | Analyse research findings | 45 |
| **Totals** | | **100** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Prepare research proposal | 1. Identify research problem    * 1. Define research problem      2. Importance of research methods      3. Identify different types of research      4. Selecting a good research title 2. Objectives of a research    * 1. Problem solving      2. Generate new ideas 3. Designing research questions   1.3.1 Factors to consider   * should be clear statements * not too easy or difficult to answer * researchable * not too broad or narrow (scope)  1. Research proposal/trade project.  * Title Page * Abstract. * Introduction/Background * Problem Statement/Need Identification * Project Objectives * Project Scope * Literature review. * Methodology/Approach | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Apply research methods | 1. Research study design  * Qualitative designs * Quantitative designs  1. Determining of sample size  * Define the population size * Designate the margin of error * Predict expected variance  1. Sampling techniques  * Probability * Non-probability  1. Ethical considerations.  * Based on research methods utilized  1. Research materials.  * text books * video recordings  1. Data collection.  * Quantitative Data Collection * Qualitative Data Collection | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Analyse research findings | 1. Data analysis methods  * Measures of central * Tendency * Measures of dispersal  1. Data analysis 2. Research report  * Report writing * Report format | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Direct instruction
* Case studies
* Field trips
* Discussions
* Demonstration by trainer
* Practice by the trainee

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | Recommended Ratio | |
| 1. | **Learning materials** |  |  |  | |
|  | Reference books |  | 13pcs | 1:2 | |
| 2 | **Learning facilities & infrastructure** |  |  | |  |
|  | Lecture/theory room | 60m2 | 1 | | 1:25 |
|  | Workshop | 150m2 | 1 | | 1:25 |
|  | store |  | 1 | | 1:25 |
| 4 | **Tools and Equipment** |  |  | |  |
|  | Working stations |  | 25 | | 1:1 |
|  | Computers |  | 25 | | 1:1 |
|  | sample acts relation to business (OSH act, labour relations, employment act) |  | 25 | | 1:1 |
|  | sample case studies |  | 25 | | 1:1 |

INDUSTRIAL ORGARNISATION MANAGEMENT

**UNIT CODE: 0611 551 02A**

**UNIT DURATION: 100 Hours**

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Apply industrial organisation management.

**Unit Description**

This unit covers the competencies required to apply industrial organisation management. It entails, apply procurement procedures, prepare work study schedule, prepare plant layout, apply inventory control, carry out marketing and apply company laws and industrial relations.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Apply procurement procedures | 10 |
|  | Prepare work study schedule | 15 |
|  | Prepare plant layout | 15 |
|  | Apply inventory Control | 20 |
|  | Carry out marketing. | 30 |
|  | Apply company laws and industrial relations**.** | 10 |
| **Totals** | | **100** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Apply procurement procedures | * 1. Budget preparation for organizational procedures      1. budget preparation process * reviewing the previous * calculating revenue * setting fixed costs * listing variable costs   1. Procurement planning and Purchasing procedures * Identifying needs * Sourcing suppliers * Delivery and audit   + 1. Types of procurement * Direct procurement * Indirect procurement * Good procurement * Service procurement   + 1. Procurement methods * Open tendering * Selective tendering * Request for proposal   1. Preparation of Requisition      1. requisition process * Identify the need * Fill out the form * Get approval * Check inventory * Screen by purchasing * Receive confirmation   1. Tendering process * Invitation to tender * Tender response * Tender evaluation * Contract award   1. Purchasing according to procurement procedures * Identifying Requirements * Requisition and Approval * Supplier Selection * Order Follow-Up and Monitoring   1. Store management  1. Definition of terms  * Store * Management * Store management  1. Objectives of store management 2. Effective management of a store    1. Inventory management  * Types of Inventory * Objectives of Inventory Management * Inventory Management Techniques * Tools and Systems for Inventory Management * Inventory Control Metrics * Inventory Management Process | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Prepare work study schedule | * 1. Work stud .      1. Define work study      2. Elements of work study * Work measurement/time study * Method study   1. Scheduling Work study element * Planning stage * Task prioritization * Allocation of resources   1. Work study scheduling as per work requirements * Task Analysis and Planning * Tools for Work Study Scheduling * Benefits of Work Study Scheduling | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Prepare plant layout | * 1. Layout planning      1. Definition of terms * Layout * Layout planning   + 1. Principles of layout planning.   1. Machines and equipment for layout planning.   2. Plant layout      1. Define the term plant layout      2. Types of plant layout * Process layout * Product layout   3.3.3 Factors to consider in the choice of plant layout   * 1. Preparation of a Plant layout report      1. Steps to consider when preparing a plant layout * Understand needs * Plant manufacturing system * Select equipment   3.4.2 principles to consider when planning a plant layout | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Apply inventory Control | * 1. Store layout planning      1. Define store layout planning      2. Types of store layout * Central store * Main stores * Dispensing stores   + 1. Steps in store layout planning.   1. Store keeping      1. Define the term store keeping      2. Functions of store keeping      3. Methods of store keeping * Documentation * Methods of storage and care of materials   1. Stock taking * Perpetual inventory * Periodic stock taking * Continuous stock taking   1. Stock control * Documentation * Controlling stock level | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Carry out marketing | * 1. Market research      1. Definition of market research      2. Methods of market research * Surveys * Interviews * Focus groups   + 1. Procedure of carrying out market research * Define the problem * Develop marketing research plan * Collect relevant data * Analyse date * Report findings * Put research into action .   1. Advertising      1. Define advertising      2. Importance of advertisement.      3. Types of advertisement   2. Channels of distribution      1. Types of distribution channels * Direct distribution * Indirect distribution * Hybrid distribution   + 1. Factors to consider when choosing a distribution channel * Available resources * Target market * Cost   1. Sales analysis organization   procedure   * Choose the right analysis methods * Identify specific information needed * Share your results with relevant stake holders   1. Sales report   2. Consumer behaviour      1. Define the term consumer behaviour      2. Importance of consumer behaviour. | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Carry out marketing | * 1. Business organizations are determined according to legislation standards      1. Define business organization      2. Types of business organizations * Sole proprietorship * Partnerships * Companies   + 1. Characteristics of a business organization.   1. Laws of tort are used according to legislation standards      1. Define the term law of tort.      2. Goals of law of tort.      3. Types of law of torts      4. Principles of law of tort.   2. Remunerations are determined according to wages regulation requirements      1. Define remunerations.      2. Factors that determine remunerations. * Job evaluation * Performance appraisal   + 1. Types of remunerations   1. Industrial relation laws are used according to legislation standards      1. Define the term industrial relation laws      2. Type of industrial relation laws      3. Industrial relation charter | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Viewing of related videos
* Discussion
* Direct Instruction
* Demonstrations
* Visiting a textile mills

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/No** | | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| 1. | | Learning materials |  |  |  |
|  | | Reference books | Clark, J(2020).Fashion Merchandising principles and practice(2nd ed)Red globe Press.UK | 13pcs | 1:2 |
| 2 | **Learning facilities infrastructure** | |  |  |  |
|  | Lecture/theory room | | 60m2 | 1 | 1:25 |
|  | Workshop | | 150m2 | 1 | 1:25 |
|  | Store | |  | 1 | 1:25 |
| 4 | **Tools and Equipment** | |  |  |  |
|  | Working stations | |  | 25 | 1:1 |
|  | Hand outs | |  | 5 | 1:5 |
|  | Store documents | | Assorted |  | 1:25 |
|  | Study board | |  | 1 | 1:25 |
|  | Filling equipment | | Assorted | 5 | 1:5 |
|  | Variety of files | | Assorted | 5 | 1:5 |
|  | Storage equipment | | Assorted | 5 | 1:5 |
|  | Computers | |  | 25 | 1:1 |
|  | Factory Acts | |  | 1 | 1;25 |
|  | Store personnel | |  | 1 | 1:25 |

# 

### 

CHILDREN’S WEAR

**UNIT CODE: 0212 551 13A**

**UNIT DURATION: 240 HOURS**

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Produce children’s wear

**Unit Description**

This unit covers competencies required to produce children’s wear. It involves planning children’s garments construction, developing children’s garment patterns, cutting children’s garment pieces, assembling children’s garments and finishing constructed children’s garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan children’s garments construction | 10 |
|  | Develop children’s garment patterns. | 30 |
|  | Cut children’s garment pieces | 50 |
|  | Assemble children’s garments. | 120 |
|  | Finish constructed children’s garments | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan children’s garments construction | * 1. PPEs      1. Types of PPEs * Dust coat * Safety shoes * Face mask * Thimble   1. Clothing construction tools and equipment      1. Types of tools and equipment   tools   * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   Equipment   * Cutting equipment * Display equipment * Camera * Sewing machines   + 1. Categories of clothing construction tools and equipment * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   + 1. Factors to consider when selecting tools and equipment     2. Care, Maintenance and storage of tools and equipment.   1. Clothing construction materials and supplies.      1. Materials * Assorted belts, bows and shoes * Assorted buttons * Assorted embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   + 1. Supplies * Assorted fabrics * Assorted inter lining * Assorted interfacing * Assorted lace * Assorted lining * Assorted ribbons * Assorted sewing threads * Assorted stiffeners * Assorted underlining   1. Children’s garment designs * Skirt * Blouse * Dress * Shirt * Coat * Trouser * romper | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Develop children’s garment patterns | * 1. Developing garment pattern pieces * Skirt * Bodice. * Collars. * Sleeves * Yokes. * Pockets.   1. Pattern instructions * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut * Center back and center front * Name of pattern * Seam allowances * Construction lines * Scale | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Cut children’s garment pieces | * 1. Laying garment pattern pieces * One-piece sleeve * Tailored shirt * Classic shirt * Tailored jacket * Two-piece sleeve * One-piece dress   1. Transferring of Pattern markings      1. Methods of transferring pattern markings * Use of tailor’s chalk * Use of dressmaker’s carbon and tracing wheel * Use of notches.   1. Cut garment pieces   3.3.1 Methods of cutting garment patterns   * Use of cutting machines * Cut fabrics manually.   1. Production system   3.4.1 Production system methods   * Make through/whole garment * Line * Group/batch   + 1. Bundling methods * Tying with a string * Hanger bundling | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Assemble children’s garments. | * 1. Construction of garment pieces      1. Safety rules in the workshop * Do not run in the workshop * Put on proper PPEs   1. Assembling garment parts * Make through/whole garment * Line * Group/batch * Flat method. * Round method.   1. Neatening of garments      1. Methods of neatening garments * overlocking * blanket stitching * Use of pinking sheers   + 1. Factors to consider when neatening garments. | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Finish constructed children’s garments. | * 1. Garments finishing      1. Definition of terms * Finishing * Trimming * Fasteners   + 1. Types of finishing * Overlocking * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads   1. Display of garments      1. methods of displaying garments * window display * use of mannequin * use of shelves   1. Garment packaging.      1. Methods of packaging * box packaging * use of polythene bags   1. Housekeeping activities      1. Clearing the work station      2. Dusting the machines   5.4.3 covering the machines | * Practical * Portfolio of evidence * Written tests * Oral tests |

Suggested Methods of Instruction

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Field trips
* Practice by trainee
* Question and answer
* Case studies

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | A.Fisher ,(2017) Construction For Fashion Design (basics fashion design )Bloomsbury Visual Art,2nd edition  M.M.Neal(2005),Needlework forschools,Nelson Thornes,Cheltenham united Kingdom ,2nd edition | 5pcs | 1:5 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | Consumable materials |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 25pcs | 1:1 |
|  | Plain paper |  | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Fabric scissors |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |
|  | Desktop computers/laptops |  | 5pcs | 1:5 |
|  | sets of T-Squares |  | 25pcs | 1:1 |
|  | Ironing boards |  | 5pcs | 1:5 |
|  | Cutting tables |  | 5pcs | 1:5 |
|  | Assorted Irons |  | 5pcs | 1:5 |
|  | Sleeve boards |  | 5pcs | 1:5 |
|  | Magic press |  | 1pc | 1:25 |
|  | Assorted mannequins |  | 5pcs | 1:5 |
|  | rolls of Brown paper, |  | 5rolls | 1:5 |
|  | Plain paper, |  | 2 reams | 1:13 |
|  | Assorted stitching threads, |  | 2 boxes | 1:25 |
|  | Assorted embroidery threads, |  | 1dozen | 1:25 |
|  | Assorted pins, |  | 2dozen | 1:10 |
|  | Tailors chalk, |  | 2boxes | 1:10 |
|  | Assorted needles, |  | 2boxes | 1:10 |
|  | Hangers, |  | 2dozen | 1:10 |
|  | Assorted fabric, |  | 10rolls |  |
|  | Assorted interfacing, |  | 1rolls | 1:25 |
|  | Whiteboard |  | 1pc | 1:25 |
|  | Electric sewing machines |  | 13pcs | 1:2 |
|  | Overlock machines |  | 1pc | 1:25 |
|  | Tracing wheels |  | 1dozen | 1:1 |
|  | Tape measures |  | 1dozen | 1:1 |
|  | Seam ripper |  | 2dozen | 1:1 |
|  | Meter rule, |  | 2dozen | 1:1 |
|  | 30 cm ruler |  | 1dozen | 1:1 |
|  | Set squares |  | 1dozen | 1:1 |
|  | thimble, |  | 25 | 1:1 |
|  | French curves |  | 25 | 1:1 |
|  | Hip curves, |  | 25 | 1:1 |
|  | Projector |  | 1pc | 1:25 |
|  | Working tables |  | 10pcs | 1:2 |
|  | Fasteners | Assorted | Enough | 1:1 |

FASHION ACCESSORIES

**UNIT CODE: 0212 551 15A**

**UNIT DURATION: 240 Hours**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Produce fashion accessories

**UNIT DESCRIPTION:** This unit covers the competencies required by a fashion designer to produce fashion crafts and accessories. It includes planning fashion accessories construction, developing fashion accessories, cutting fashion accessories, constructing fashion accessories and finishing constructed fashion accessories.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan fashion accessories construction | 10 |
|  | Develop fashion accessories | 30 |
|  | Cut fashion accessories | 30 |
|  | Construct fashion accessories | 120 |
|  | Finish constructed fashion accessories | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| * + 1. Plan fashion accessories construction | * 1. PPEs   1.1.1 Types of PPE’s   * Apron * Dust coat * Face mask * Thimble * Gloves * Low heeled closed shoes   + 1. Use, care and storage of PPE’s   1. Fashion accessories tools andequipment   **Tools**   * Measuring. * Finishing * Basic sewing * Cutting tools and equipment * Marking * Drawing   **Equipment**   * Display equipment * Camera * Sewing machine   1. Fashion accessories materials and supplies   **Materials**   * Belts, bows and shoes * Buttons * embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   **Supplies**   * Fabrics * Inter lining * Interfacing * Lace * Lining * Ribbons * Sewing threads * Stiffeners * Underlining   1. Sketch fashion accessories      1. Examples of fashion accessories * Hats * Scarves * Bonnets * Hoods * Headbands * Cravats * Belts * Bow * Shoes. * Bags. * Jewellery. * Mats | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| * + 1. Develop fashion accessories. | * 1. Fashion accessories patterns      1. Develop Fashion accessories patterns * Flounce * Flap * Pockets * Crown * Brim * Side bag   1. Pattern instructions * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut   1. Cut accessories pattern pieces      1. Cutting specifications * Clean cut * Straight line adjustment * Equality in all layers * Special demands | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Cut fashion accessories | * 1. Laying of Fashion accessories pattern pieces      1. Pattern pieces * Flounce * Flap * Pockets * Crown * Brim * Side bag   + 1. Principles of fabric laying * Ply alignment * Ply tension * Fabric design   1. Cut pattern pieces   2. Transfer pattern annotation/markings      1. Methods of transferring markings * Tailors chalk * Tailor’s tacks * Tailors carbon paper and tracing wheel   1. Bundle pattern pieces * Tying with strings * Boxes | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Construct fashion accessories | * 1. Construct accessories pieces   2. Assemble accessories pieces   3. Neatening of fashion accessories  1. Methods of neatening accessories  * Over locking * Binding * Edge stitching * Zigzagging * Lace | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |
| 1. Finish constructed fashion accessories | * 1. Finishing of fashion accessories * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads   1. Display of fashion accessories      1. Ways of displaying fashion accessories * Displaying cases * Hangers * Shelves * Cloth lines and pegs * Frames   1. Packaging of fashion accessories      1. Categories of packaging * Display * Storage * Shipping   1. Housekeeping activities. * Cleaning of tools and equipment * Cleaning of the work area * Proper storage of tools and equipment | * Practical * Project * Portfolio of evidence * Third party evidence * Written assessment * Oral assessment |

**Suggested Methods of Instruction**

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| **1.** | **Learning materials** |  |  |  |
|  | Reference books | 1. Melita M,N. (2005)Needlework for school(2nd ed) Nelson,Thornes Publisher:Cheltenham UK 2. Sewing machine guide, fashion digest | 5pcs | 1:5 |
| **2** | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| **3** | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:13 |
|  | Fasteners | Assorted | Enough | 1:1 |
|  | Beads | Assorted | Enough | 1:1 |
|  | Wadding and foam | assorted | Enough | 1:1 |
|  | Pins | Assorted | 25pkts | 1:1 |
|  | Mallet |  | 5pcs | 1:5 |
|  | Needles | Assorted | 25pkts | 1:1 |
|  | Fabric | Assorted | 50Mtrs | 2:1 |
|  | Interfacing | Assorted | 5Mtrs | 1:5 |
|  | stitching threads | Assorted | 25pcs | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Trimmings | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 1 roll | 1:25 |
|  | Plain paper |  | 2 reams | 1:13 |
|  | Twine thread | Assorted | 5 balls | 1:5 |
| **4** | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Sewing machines |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Shears |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Glue |  | 2 bottles | 1:13 |
|  | Belting |  | 2 rolls | 1:13 |
|  | Elastic |  | 2 rolls | 1:13 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | Seam ripper |  | 25pcs | 1:1 |
|  | Meter rule |  | 25pcs | 1:1 |
|  | 30 cm ruler |  | 25pcs | 1:1 |
|  | Set square |  | 25pcs | 1:1 |
|  | Thimble |  | 25pcs | 1:1 |
|  | French curve |  | 25pcs | 1:1 |
|  | Hip curve |  | 25pcs | 1:1 |
|  | Pliers, |  | 5pcs | 1:5 |
|  | Tweezers |  | 5pcs | 1:5 |
|  | Ironing board/surface |  | 5 | 1:5 |
|  | Irons |  | 5 | 1:5 |
|  | Mirror | Full length | 4 | 1:6 |
|  | Assorted mannequins |  | 3 | 1:8 |
|  | Hangers |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 1pc | 1:25 |

UNIFORM WEAR

**UNIT CODE: 0212 551 16A**

**UNIT DURATION: 240 HOURS**

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Produce Uniform Wear

**UNIT DESCRIPTION**

This unit covers competencies required to produce uniform wear. It involves planning uniforms construction, developing uniform patterns, cutting uniform garment pieces, assembling uniforms garment pieces and finishing constructed uniforms.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan uniform construction | 10 |
|  | Develop uniform patterns | 30 |
|  | Cut uniform garment pieces | 30 |
|  | Assemble uniform garment pieces | 120 |
|  | Finish constructed uniform | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan uniform construction | * 1. PPEs      1. Examples of PPEs * Dust coat * Safety shoes * Face mask * Thimble   1. Clothing construction tools and equipment      1. Types of tools and equipment   **Tools**   * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   **Equipment**   * Cutting equipment * Display equipment * Camera * Sewing machines   + 1. Categories of clothing construction tools and equipment * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   + 1. Factors to consider when selecting tools and equipment     2. Care. maintenance and storage of tools and equipment.   1. Clothing construction materials and supplies   **Materials**   * Assorted belts, bows and shoes * Assorted buttons * Assorted embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   **Supplies**   * Assorted fabrics * Assorted inter lining * Assorted interfacing * Assorted lace * Assorted lining * Assorted ribbons * Assorted sewing threads * Assorted stiffeners * Assorted underlining   1. Uniform designs * School uniforms * Hospitality and service uniforms * Military uniform * Medical uniforms | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 1. Develop uniform patterns | * 1. Develop uniform pattern pieces   2. Pattern instructions * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut * Center back and center front * Name of pattern * Seam allowances * Construction lines * Scale   1. Cut pattern pieces. | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 3. Cut uniform garment pieces | * 1. Uniform pattern pieces are laid * Pockets * Sleeves * Collars * Cuffs * Yokes * Flounces * Frills   1. Transferring of Pattern markings      1. Methods of transferring pattern markings * Use of tailor’s chalk * Use of dressmaker’s carbon and tracing wheel * Use of notches.   1. Cut garment pieces      1. Methods of cutting garment patterns * Use of cutting machines * Cut fabrics manually.   1. Production system      1. Production system methods * Make through/whole garment * Line * Group/batch   1. Bundling methods * Tying with a string * Hanger bundling | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 4. Assemble uniform garment pieces | * 1. Uniform garment pieces construction   2. Assembling garment parts * Make through/whole garment * Line * Group/batch   1. Neatening of garments      1. Methods of neatening garments * overlocking * blanket stitching * use of pinking sheers | * Practical * Portfolio of evidence * Written tests * Oral tests |
| 5 Finish constructed uniform | * 1. Uniform finishing  1. Terms used  * Finishing * Trimming * Fasteners  1. Types of finishing  * Overlocking * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads   1. Display of uniforms      1. methods of displaying garments * window display * use of mannequin * use of shelves   1. Uniform packaging.      1. methods of packaging * box packaging * use of polythene bags   1. Housekeeping activities      + clearing work station      + dusting machines      + covering machines | * Practical * Portfolio of evidence * Written tests * Oral tests |

**Suggested methods of instruction**

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | 1. Melita M,N.(2005)Needlework for school(2nd ed)Nelson,Thornes Publisher:Cheltenham UK 2. Aldrich,W.(2015)Metric pattern cutting for women 6th ed.Wiley Publishers. 3. Aldrich,W.(2011)Metric pattern cutting for menswear 5th ed.Wiley Blackwell Publishers. | 5pcs | 1:5 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Tailors pins |  | 25pkts | 1:1 |
|  | Needles | Assorted | 25pkts | 1:1 |
|  | Fabric | Assorted | 50Mtrs | 2:1 |
|  | Interfacing | Assorted | 5Mtrs | 1:5 |
|  | Stitching threads | Assorted | 25pcs | 1:1 |
|  | Fasteners | Assorted | 25 pcs | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Trimmings | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 2 rolls | 1:13 |
|  | Plain paper |  | 2 reams | 1:13 |
|  | Twin thread | Assorted | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | sewing machines |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Paper scissors |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | Seam ripper |  | 25pcs | 1:1 |
|  | Meter rule |  | 25pcs | 1:1 |
|  | 30 cm ruler |  | 25pcs | 1:1 |
|  | Set square |  | 25pcs | 1:1 |
|  | Thimble |  | 25pcs | 1:1 |
|  | French curve |  | 25pcs | 1:1 |
|  | Hip curve |  | 25pcs | 1:1 |
|  | Ironing board/surface |  | 3 | 1:8 |
|  | Assorted Irons |  | 3 | 1:8 |
|  | Mirror | Full length | 1 | 1:25 |
|  | Assorted mannequins |  | 3 | 1:8 |
|  | Hangers |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 1pcs | 1:25 |

SPORTS WEAR

**UNIT CODE: 0212 551 17A**

**UNIT DURATION: 240 HOURS**

**Relationship to Occupational Standards**

This unit addresses the Unit of Competency: Produce Sportswear

**UNIT DESCRIPTION**

This unit covers competencies required to produce sportswear. It involves planning sports garments construction, developing sports garment patterns, cutting sports garment pieces, assembling sports garments, finishing constructed sports garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan sports garments construction | 10 |
|  | Develop sports garment patterns | 30 |
|  | Cut sports garment pieces | 30 |
|  | Assemble sports garments | 120 |
|  | Finish constructed sports garments | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan sports garments construction | 1. PPEs 2. Examples of PPEs  * Dust coat * Safety shoes * Thimble  1. Clothing construction tools and equipment    * 1. Types of tools and equipment   **Tools**   * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   **Equipment**   * Display equipment * Camera * Sewing machines   + 1. Categories of clothing construction tools and equipment * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   + 1. Factors to consider when selecting tools and equipment     2. Care. maintenance and storage of tools and equipment.  1. Clothing construction materials and supplies   **Materials**   * Assorted belts, bows and shoes * Assorted buttons * Assorted embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   **Supplies**   * Assorted fabrics * Assorted inter lining * Assorted interfacing * Assorted lace * Assorted lining * Assorted ribbons * Assorted sewing threads * Assorted stiffeners * Assorted underlining  1. Sports garments designs  * Active wear * Leisure * Gym wear. * Swim wear. | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Develop sports garment patterns | 2.1 Develop garment pattern pieces  2.2 Pattern instructions   * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut * Centre back and centre front * Name of pattern * Seam allowances * Construction lines * Scale   2.3 Cut sports garment pieces | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Cut sports garment pieces | * 1. Sports pattern pieces are laid.   2. Transferring of Pattern markings      1. Methods of transferring pattern markings * Use of tailor’s chalk * Use of dressmaker’s carbon and tracing wheel * Use of notches.   1. Cut sports garment pieces   3.3.1 Methods of cutting garment patterns   * Use of cutting machines * Cut fabrics manually.   1. production system   3.4.1 production system methods   * Make through/whole garment * Line * Group/batch   + 1. Bundling methods * Tying with a string * Hanger bundling | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Assemble sports garments | * 1. Construction of sports garment pieces.   2. Assembling of sports garment parts * Make through/whole garment * Line * Group/batch   1. Neatening of sports garments      1. Methods of neatening garments * overlocking * blanket stitching * use of pinking sheers | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Finish constructed sports garments | 1. Sports garments finishing 2. Examples of finishing  * Overlocking * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Display of sports garments    * 1. Methods of displaying garments  * window display * use of mannequin * use of shelves  1. Sports garments packaging.   5.3.1 Methods of packaging   * box packaging * use of polythene bags  1. Housekeeping activities  * clearing work station * dusting machines * covering the machines | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |

Suggested Methods of Instruction

* Discussions
* Direct Instruction
* Demonstration by trainer
* Projects
* Industrial visit
* Practice by trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | 1. Melita M,N.(2005)Needlework for school(2nd ed)Nelson,Thornes Publisher:Cheltenham UK 2. Aldrich,W.(2015)Metric pattern cutting for women 6th ed.Wiley Publishers. 3. Aldrich,W.(2011)Metric pattern cutting for menswear 5th ed.Wiley Blackwell Publishers. | 13pcs | 1:2 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:13 |
|  | Tailors Pins | Assorted | 25pkts | 1:1 |
|  | Assorted Needles | Assorted | 25pkts | 1:1 |
|  | Fabric | Assorted | 50Mtrs | 2:1 |
|  | Interfacing | Assorted | 5Mtrs | 1:5 |
|  | Stitching threads | Assorted | 25pcs | 1:1 |
|  | Fasteners | Assorted | 25 pcs | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Trimmings | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 2 rolls | 1:13 |
|  | Plain paper |  | 2 reams | 1:13 |
|  | Twine thread | Assorted | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Sewing machines |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Fabric scissors |  | 25 pcs | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | Seam ripper |  | 25pcs | 1:1 |
|  | Meter rule |  | 25pcs | 1:1 |
|  | 30 cm ruler |  | 25pcs | 1:1 |
|  | Set square |  | 25pcs | 1:1 |
|  | Embroidery hoops |  | 25pcs | 1:1 |
|  | Thimble |  | 25pcs | 1:1 |
|  | French curve |  | 25pcs | 1:1 |
|  | Hip curve |  | 25pcs | 1:1 |
|  | Ironing board/surface |  | 3 | 1:8 |
|  | Assorted Irons |  | 3 | 1:8 |
|  | Mirror | Full length | 1 | 1:25 |
|  | Assorted mannequins |  | 3 | 1:8 |
|  | Hangers |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 5pcs | 1:5 |

LINGERIE WEAR

**UNIT CODE: 0212 551 18A**

**UNIT DURATION: 240 HOURS**

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Produce lingerie wear.

**Unit Description**

This unit covers competencies required to produce lingerie wear. It involves planning lingerie garments construction, developing lingerie garment patterns, cutting lingerie garment pieces, assembling lingerie garments and finishing constructed lingerie garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan lingerie garments construction | 10 |
|  | Develop lingerie garment patterns | 30 |
|  | Cut lingerie garment pieces | 30 |
|  | Assemble lingerie garments | 120 |
|  | Finish constructed lingerie garments | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan lingerie garments construction | PPEs  1.1.1 Define the term personal protective equipment   * + 1. Types of PPEs * Dust coat * Safety shoes * Face mask * Thimble   1.2 Clothing construction tools and equipment   * + 1. Types of tools and equipment   **Tools**   * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   **Equipment**   * Cutting equipment * Display equipment * Camera * Sewing machines   + 1. Categories of clothing construction tools and equipment * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   1.2.3 Factors to consider when selecting tools and equipment  1.2.4 Care, maintenance and storage of tools and equipment.   * 1. Clothing construction materials and supplies   1.3.1 Materials   * Assorted belts, bows and shoes * Assorted buttons * Assorted embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   + 1. Supplies * Assorted fabrics * Assorted inter lining * Assorted interfacing * Assorted lace * Assorted lining * Assorted ribbons * Assorted sewing threads * Assorted stiffen * Corset * Camisole * Assorted underlining   1.4 Lingerie garments designs   * Bustier * Bodysuit * Bralette * Chemise Garters. | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Develop lingerie garment patterns | 2.1 Develop garment pattern pieces  2.2 Pattern instructions   * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut * Centre back and centre front * Name of pattern * Seam allowances * Construction lines * Scale   1. Cut lingerie garment pieces | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Cut lingerie garment pieces | * 1. Lingerie pattern pieces are laid * sleeves * Cuffs * Yokes * Flounces * Brassiere * Bodice   1. Transferring of Pattern markings      1. Methods of transferring pattern markings * Use of tailor’s chalk * Use of dressmaker’s carbon and tracing wheel * Use of notches.   1. Cut lingerie garment pieces   3.3.1 Methods of cutting garment patterns   * Use of cutting machines * Cut fabrics manually.   1. Production system   3.4.1 Production system methods   * Make through/whole garment * Line * Group/batch   + 1. Bundling methods * Tying with a string * Hanger bundling | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Assemble lingerie garments | * 1. Stitching of uniform garment pieces.      1. Safety rules in the workshop * Do not run in the workshop * Put on proper PPEs   1. Assembling lingerie garment parts. * Make through/whole garment * Line * Group/batch   1. Neatening of lingerie garments      1. methods of neatening garments * overlocking * blanket stitching * use of pinking sheers | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Finish constructed lingerie garments | 1. Finishinglingerie garments 2. Definition of terms  * Finishing * Trimming * Fasteners  1. Types of finishing  * Overlocking * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Display of lingerie garments.    * 1. methods of displaying garments  * window display * use of mannequin * use of shelves  1. Lingerie garments packaging.   5.3.1 Methods of packaging   * box packaging * use of polythene bags  1. Housekeeping activities  * clearing work station * dusting machines * covering machines | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |

Suggested Methods of Instruction

* Project
* industrial visit
* Discussions
* Demonstration by trainer
* Practice by the trainee
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended Ratio** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | 1. Melita M,N.(2005)Needlework for school(2nd ed)Nelson,Thornes Publisher:Cheltenham UK 2. Aldrich,W.(2015)Metric pattern cutting for women 6th ed.Wiley Publishers. 3. Powell,P(2021)Lingerie Design;A complete course 5th Ed.Lawrence King-UK | 13pcs | 1:2 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Pins | Assorted | 25pkts | 1:1 |
|  | Needles | Assorted | 25pkts | 1:1 |
|  | Fabric | Assorted | 50Mtrs | 2:1 |
|  | Interfacing | Assorted | 1 roll | 1:25 |
|  | Fasteners | Assorted | 25 pcs | 1:1 |
|  | Stitching threads | Assorted | 25pcs | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Trimmings | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 2 rolls | 1:13 |
|  | Plain paper |  | 2 reams | 1:13 |
|  | Twine thread | Assorted | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Sewing machines |  | 13 | 1:2 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Fabric scissors |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | Seam ripper |  | 25pcs | 1:1 |
|  | Meter rule |  | 25pcs | 1:1 |
|  | 30 cm ruler |  | 25pcs | 1:1 |
|  | Set square |  | 25pcs | 1:1 |
|  | Thimble |  | 25pcs | 1:1 |
|  | French curve |  | 25pcs | 1:1 |
|  | Hip curve |  | 25pcs | 1:1 |
|  | Ironing board/surface |  | 3 | 1:8 |
|  | Assorted Irons |  | 3 | 1:8 |
|  | Mirror | Full length | 1 | 1:25 |
|  | Assorted mannequins |  | 3 | 1:8 |
|  | Hangers |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 1pcs | 1:25 |

OCCASION WEAR

**UNIT CODE: 0212 551 19A**

**UNIT DURATION: 240 HOURS**

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Produce occasion wear.

**Unit Description**

This unit covers competencies required to produce occasion wear. It involves planning occasion garments construction, developing occasion garment patterns, cutting occasion garment pieces, assembling occasion garments and finishing constructed occasion garments.

**Summary of Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **S/No.** | **Learning Outcomes** | **Duration( Hours)** |
|  | Plan occasion garments construction. | 10 |
|  | Develop occasion garment patterns. | 30 |
|  | Cut occasion garment pieces. | 30 |
|  | Assemble occasion garments. | 120 |
|  | Finish constructed occasion garments. | 50 |
| **Totals** | | **240** |

**Learning Outcomes, Content and Suggested Assessment Methods**

|  |  |  |
| --- | --- | --- |
| **Learning Outcome** | **Content** | **Suggested Assessment Methods** |
| 1. Plan occasion garments construction | 1. PPEs   Examples of PPEs   * Dust coat * Safety shoes * Thimble  1. Clothing construction tools and equipment    * 1. Types of tools and equipment   **Tools**   * + Measuring tools.   + Finishing tools   + Basic sewing tools   + Cutting tools * Marking tools * Drawing tools * Equipment * Display equipment * Camera * Sewing machines   + 1. Categories of clothing construction tools and equipment * Measuring tools. * Finishing tools * Basic sewing tools * Cutting tools * Marking tools * Drawing tools   1.2.3 Factors to consider when selecting tools and equipment  1.2.4 Care. maintenance and storage of tools and equipment.   1. Clothing construction materials and supplies   1.3.1 Materials   * Assorted belts, bows and shoes * Assorted buttons * Assorted embroidery threads * Beads * Brown papers * Charcoal * Coloured pencils * Crayons * Dress maker’s pins * Dressmakers tracing paper * Elastic   1. 2Supplies * Assorted fabrics * Assorted inter lining * Assorted interfacing * Assorted lace * Assorted lining * Assorted ribbons * Assorted sewing threads * Assorted stiffeners * Assorted underlining  1. Occasion garment designs.  * Bridal wear * Red carpet wear * Evening wear * Cocktail party * Engagement party wear. * Baby shower garments * Corporate party garments * Graduation gowns | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Develop occasion garment patterns | * 1. Develop garment pattern pieces.   2. Pattern instructions * Folds * Notches/balance marks * Straight grains * Pattern size * Style number * Number of pieces to be cut * Centre back and centre front * Name of pattern * Seam allowances * Construction lines * Scale   1. Cutting of occasion pattern pieces * Tailored skirt * Easy-fitting bodice * Close fitting * One-piece sleeve * Two-piece sleeve * One-piece dress * Two-piece dress * Shirt * Jacket * Coat | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Cut occasion garment pieces. | * 1. Laying Occasion garment pattern pieces.   2. Transferring of Pattern markings      1. Methods of transferring pattern markings * Use of tailor’s chalk * Use of dressmaker’s carbon and tracing wheel * Use of notches.   1. Cut occasion garment pieces      1. Methods of cutting garment patterns * Use of cutting machines * Cut fabrics manually.   1. Bundling methods * Tying with a string * Hanger bundling  1. Production system methods  * Make through/whole garment * Line * Group/batch | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Assemble occasion garments | * 1. Construction of occasion garment pieces.   2. Assembling of occasion garment parts. * Make through/whole garment * Line * Group/batch   1. Neatening of occasion garments.      1. Methods of neatening garments * overlocking * blanket stitching * use of pinking sheers | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |
| 1. Finish constructed occasion garments | 1. Occasion garment finishing 2. Definition of terms  * Hemming * Attaching fasteners * Pressing /ironing * Trimming hanging thread  1. Types of finishing  * Overlocking * Hemming * Attaching fasteners * Pressing/Ironing * Trimming hanging threads  1. Display of occasion garment    * 1. Methods of displaying fashion crafts  * window display * use of mannequin * use of shelves  1. Occasion garment packaging.   5.3.1 Methods of packaging   * box packaging * use of polythene bags  1. Housekeeping activities  * clearing work station * dusting machines * covering the machines | * Practical * Portfolio of evidence * Third party report * Written tests * Oral tests |

**Suggested Methods of Instruction**

* Lecture
* Project
* Case studies
* Field trips
* Discussions
* Demonstration
* Practice
* Question and answer

**Recommended Resources for 25 Trainees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Category/item** | **Description/specifications** | **Quantity** | **Recommended ratio (item: Trainee)** |
| 1. | **Learning materials** |  |  |  |
|  | Reference books | 1. A.Fisher ,(2017) Construction For Fashion Design (basics fashion design )Bloomsbury Visual Art,2nd edition 2. M.M.Neal(2005),Needlework forschools,Nelson Thornes,Cheltenham united Kingdom ,2nd edition | 13 pcs | 1:2 |
| 2 | **Learning facilities & infrastructure** |  |  |  |
|  | Lecture/theory room | 60m2 | 1 | 1:25 |
|  | Workshop | 150m2 | 1 | 1:25 |
| 3 | **Consumable materials** |  |  |  |
|  | Tailors chalk | Assorted | 2pkts | 1:1 |
|  | Stationery | Assorted | 25pcs | 1:1 |
|  | Brown paper |  | 25pcs | 1:1 |
|  | Plain paper |  | 25pcs | 1:1 |
| 4 | **Tools and Equipment** |  |  |  |
|  | Working stations |  | 25 | 1:1 |
|  | Whiteboard |  | 1 | 1:25 |
|  | PPEs |  | 25pcs | 1:1 |
|  | Fabric scissors |  | 25 | 1:1 |
|  | Tracing wheel |  | 25pcs | 1:1 |
|  | Tape measure |  | 25pcs | 1:1 |
|  | First aid kit | Full set | 1pcs | 1:25 |
|  | Desktop/computers/laptops |  | 5pcs | 1:5 |
|  | T-Squares |  | 25pcs | 1:1 |
|  | Ironing boards |  | 5pcs | 1:5 |
|  | Cutting tables |  | 5pcs | 1:5 |
|  | Assorted Irons |  | 5pcs | 1:5 |
|  | Magic press |  | 1pc | 1:25 |
|  | Assorted mannequins |  | 5pcs | 1:5 |
|  | Brown paper, |  | 2 rolls | 1:13 |
|  | Dozen of Plain paper, |  | 1dozen | 1:25 |
|  | Assorted stitching threads, |  | 1dozen | 1:25 |
|  | Assorted embroidery threads, |  | 1dozen | 1:25 |
|  | Assorted pins, |  | 2dozen | 1:10 |
|  | Tailors chalk, |  | 2boxes | 1:10 |
|  | Assorted needles, |  | 25 Pcs | 1:25 |
|  | Hangers |  | 2dozen | 1:10 |
|  | Assorted fabric, |  | 2 rolls | 1:13 |
|  | Assorted interfacing, |  | 1rolls | 1:2 |
|  | Whiteboard |  | 1pc | 1:25 |
|  | Electric sewing machines |  | 13pcs | 1:2 |
|  | Overlock machines |  | 1pc | 1:25 |
|  | Fabric scissors |  | 25pcs | 1:1 |
|  | Tracing wheels |  | 1dozen | 1:1 |
|  | Tape measures |  | 1dozen | 1:1 |
|  | Seam ripper |  | 2dozen | 1:1 |
|  | Meter rule, |  | 2dozen | 1:1 |
|  | 30 cm ruler |  | 1dozen | 1:1 |
|  | Set squares |  | 1dozen | 1:1 |
|  | thimble, |  | 25 | 1:1 |
|  | French curves |  | 25 | 1:1 |
|  | Hip curves, |  | 25 | 1:1 |
|  | Projector |  | 1pc | 1:25 |
|  | Working tables |  | 10pcs | 1:2 |
|  | Rolls Flip Charts |  | 5pcs | 1:5 |
|  | Fasteners | Assorted | Enough | 1:1 |