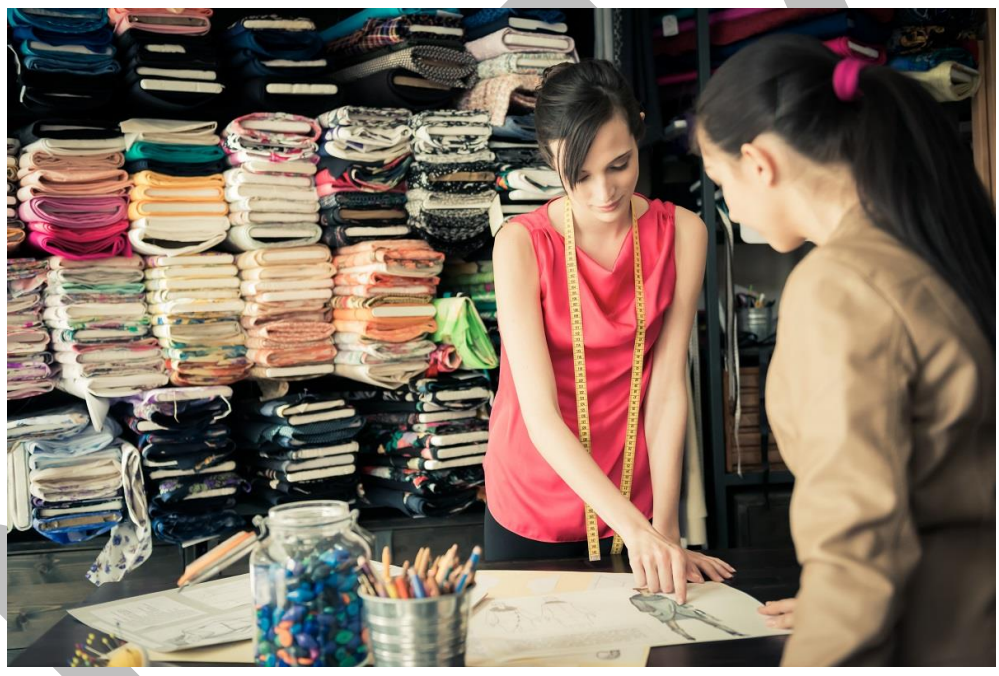
Apparel Design Technician

Competency Standards Code:

Source: National Competency Standard

National Certificate at NVQ Levels in the occupation of Apparel Design Technician

NVQ Level 04



NATIONAL APPRENTICE AND INDUSTRIAL TRAINING AUTHORITY,

No.971, Sri Jayawardanapura Mawatha, Welikada,

Rajagiriya.

Telephone. 0112888782-7 **Email: naitaitd@yahoo.com**

Unit of competency	Elements of Competence
1. Carryout workplace communication	1.Apply verbal communication at work place
	2.Apply non-verbal communication
	3.Apply written communication and signage
	4.Respond positively to individual differences
2. Apply workplace literacy and numeracy	1.Identify literacy and numeracy demands of the workplace
	2.Apply workplace literacy and numeracy
3. Work in teams	1.Communicate with team members
	2.Participate in team work activities
4. Practice occupational health and safety measures	1.Follow workplace health and safety procedures
	2.Follow workplace emergency procedures
	3.Adhere to good environmental practices
5. Analyze latest Style	1.Review different media
	2.Explain current trends
6. Interpret customer requirement	1.Identify customer requirement

Related Knowledge for CONSTRUCTION CRAFTSMAN (MASONRY)

NVQ Level 03

Required Knowledge, and Skills

01. Practice workplace communication and interpersonal relations

Knowledge

-
- Safety symbols & procedures
- Mother tongue in both spoken and written form
- Basic English relevant to workplace and type of work
- Organisation's rules, regulations and procedures
- General norms of polite conduct
- Forms of address appropriate to client and persons in different positions
- Basic knowledge of client and practices of different ethnic and religious groups
- Good telephone manners
- Basic understanding of gender issues
- Basic knowledge of new trends in construction

Skills

-
- Speak clearly in mother tongue and express varied ideas
- Write clearly and legibly in mother tongue
- Read and understand simple English relevant to the workplace
- Write simple explanations in English language
- Communicate effectively using the telephone
- Perform simple calculations
- Make simple sketches

02 Apply occupational literacy and numeracy U02

Knowledge

-
- Grammar, spelling and syntax in mother tongue
- Basic English grammar, spelling and syntax
- Mathematical representation of physical quantities
- Basic Mathematical operations
- Adequate technical vocabulary in English
- Principles of basic of Geometry
- Basic knowledge of new trends in construction
- Conversion factors related to matric and imperial units

Skills

-
- Write clearly, legibly and correctly in mother tongue
- Read and understand simple English relevant to the workplace
- Write simple sentences in English
- Perform simple calculations
- Draw simple Geometrical views

03 Work in teams U03

Knowledge

-
- Simple concepts of team behaviour
- Elementary group dynamics
- Basic knowledge in social and demographic structures

Skills

-
- Work effectively and comfortably as a member of a team
- Patient
- Understand others

04. Practice occupational health and safety procedures in an workplace U04

Knowledge

- Individuals must be able to demonstrate knowledge of:
- basic aspects of relevant OHS legislation, including:
- employer responsibilities
- employee responsibilities to participate in OHS practices
- employee responsibility to ensure own work practices protect the safety of self, other workers and other people

- roles in work place personnel personal safety in including:
- hearing protection
- skin protection
- protective clothing
- protective footwear
- eye protection
- respirators

- manual handling, including:
- storing items
- planning the lift

Skills

-
- Learning skills to:

- Locate sources of information relating to safety requirements.
- Reading skills to:

- interpret information from manufacturer and literature when seeking procedures required to carry out work safely.
- Writing skills to:

- legibly and accurately enter information into work place safety documents and check sheets.
- Oral communication skills to:

- clarify instructions inform personnel of work place hazards.
- Numeracy skills to:

- match hazardous material weights and volumes to Material safety data sheets (MSDS) and work instructions.

Knowledge

• Basic understanding of sustainability on a construction work site
• Common construction industry terminology and interpersonal communication requirements
• Construction industry quality requirements
• Construction industry size, scope of work and national economic importance
• Environmental and resource hazards/risks, including compliance with relevant legislation associated with the environment, job specifications and procedures
• Legislation, regulations and codes of practice relevant to this sector and

Skills

Communication skills to:
• Enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
• Establish and communicate deadlines
• Follow supervisor's instructions

Read and interpret:
• documentation from a variety of sources
• drawings and specifications
• Report faults
• Report variations or difficulties in performance and additional support required
• Use language and concepts appropriate

06. Use construction tools and equipment U06

Knowledge

• Construction terminology
• Types, characteristics, uses and limitations of plant, tools and equipment
• Construction tool use techniques
• Basic knowledge in operation of plant, tools and equipment
• Plans, specifications and drawings
• Quality requirements
• Relevant acts, regulations and codes of practice
• Safety manuals and instructions of tools and equipment
• Workplace and equipment safety requirements.
• Ergonomic parameter

Skills

• Communication skills to:
• Determine requirements
• Enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
• Follow instructions
• Read and interpret:
• Documentation from a variety of sources
• Drawings and specifications
• Report faults

07. Carryout rubble masonry work U07

Knowledge

- Elementary knowledge in building drawings
- Basic knowledge in setting out
- Basic arithmetic
- Basic geometry to include angular measurements, corner measurements and longitudinal measurements
- Method of taking offset measurements
- Safety precautions connected with building sites
- Conversion of measurements from imperial to metric units
- Mixing ratios applicable to rubble work & mixing methods
- Rubble laying / packing principles and practices to follow, including pointing work
- Standard rubble masonry patterns & bonds applications of tools, equipment and machines
- Ergonomic parameter

Skills

- Reading and interpretation of building drawings
- Setting out of rubble work
- Correct handling of all tools mentioned in the range statement including measuring tape and try square
- Taking & marking measurements
- Rubble laying and handling practices with special emphasis on safety & environment
- Ability to mix mortar
- Laying / packing of rubble to expected quality and standards, including pointing
- Use of PPE

08. Carryout Bricklaying U08

Knowledge

- Applications, limitations and method of operation and maintenance of hand and power tools, plant and equipment applicable to bricklaying tasks
- Construction terminology
- Hazards associated with the use of bricklaying tools, plant and equipment
- Material safety data sheets (MSDS)
- Materials storage and environmentally friendly waste management

Skills

Read and interpret:

- Drawings and specifications
- Manufacturers' instructions
- Other relevant documentation

- Selection of appropriate materials and tools
- Numeracy skills to apply measurements and make calculations
- Transferring of levels
- Erecting and dismantling of scaffolding
- Cutting of bricks to the standard shapes

9. Carry out block work U09

Knowledge

• Applications, limitations and method of operation and maintenance of hand and power tools, plant and equipment

• Construction terminology
• Hazards associated with the use of bricklaying tools, plant and equipment
• Material safety data sheets (msds)
• Materials storage and environmentally friendly waste management
• Plans, specifications and drawings
• Processes for the calculation of material requirements
• Quality requirements workplace and equipment safety requirements
• Methods of communication as practiced at construction sites
• Quality of cement, sand, water and blocks
• Volume batching
• Required quantities of materials for the given quantity of blockwork
• Working norms in blocklaying
• Conversion of imperial measurement to metric
 Ergonomic parameter

Skills

- read and interpret:
- drawings and specifications
- manufacturers' instructions

- other relevant documentation
• Selection of appropriate materials and tools

- numeracy skills to apply measurements and make calculations
- organisational skills, including the ability to plan and set out work
- teamwork skills to work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities

- Working on temporary platforms and at height
- Careful handling of materials
- Use of PPE

10. Foster holistic development of children U010

Knowledge	Skills
• Reading and interpretation of plans & sketches pertaining to the small scale construction • Methods of communication as practiced in construction sites • Quality of materials used for concreting • Different types of tools, equipment and machinery used for concreting work • Required quantities of materials for the given volumes of specified grades of concrete • Different types of materials used for form	• Interpretation of plans and instructions given by superiors • Communication with superiors & other operatives • Adhere to safety precautions • Use of personal protective equipment • Use of PPE

11. Maintain Professionalism U011

Knowledge	Skills
Reading and interpretation of plans & sketches pertaining to the small scale construction Methods of communication as practiced in construction sites Quality of materials used for plastering Different types of tools, equipment and machinery used for plastering work Cement sand mix ratios Effect of water on cement Hardening time of the mix Preparation of slurry Proper time to give the ‘finish’ with cement slurry Decorative finishes Curing of the wall Conversion of imperial measurements to metric Ergonomic parameters	Interpretation of plans and instructions given by superiors Communication with superiors & other operatives Selection of appropriate materials as per schedules Selection of appropriate tools and machinery related to the Use of tools and machinery Determination of the required quantities of materials Mixing to attain the required plasticity and consistency Smoothening until marks disappear and to a perfect level using the trowel Making a good joint with an existing Compact mortar to obtained proper bonding between plastering and surface Use of PPE

12 Care of a child with special needs U012

Knowledge Skills

- **Reading and interpretation of drawings& sketches pertaining to the small scale construction**
- **Methods of communication as practiced in construction sites**
- **Quality of materials used for concreting**
- **Different types of tools, equipment and machinery used for concreting work**
- **Required quantities of materials for the given volumes of specified grades of concrete**
- **Different types of materials used for form work**
- **Cement sand mix ratios**
- **Effect of water on cement**
- **Hardening time of the mix**
- **Preparation of slurry**
- **Proper time to give the 'finish' with cement slurry**
- **Decorative finishes**
- **Curing of the floor**
- **Conversion of imperial measurements to metric**
- **Interpretation of and instructions given by superiors**
- **Communication with superiors & other operatives Selection of appropriate materials as per schedules**
- **Selection of appropriate tools and machinery related to the concreting**
- **Use of tools and machinery**
- **Determination of the required quantities of materials**
- **Mixing to attain the required plasticity and consistency**
- **Usage of colouring powder to give a uniform colour**
- **Smoothening until marks disappear and to a perfect level using the trowel**
- **Getting a smooth joint between the skirting and the floor rendered**
- **Getting a good finish at the top edge of the skirting**
- **Rectification of cracks on floor rendering**
- **Making a good joint with an existing rendering**
- **Compact mortar to obtained proper bonding between rendering and surface.**