

-SQA- SCOTTISH QUALIFICATIONS AUTHORITY

NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION

GENERAL INFORMATION

-Module Number-	3311084	-Session- 1994-95
-Superclass-	JK	
-Title-	INTRODUCTION TO DOMESTIC MACHINE KNITTING	

-DESCRIPTION-

GENERAL COMPETENCE FOR UNIT: Producing basic stitch formations and a garment panel, using a domestic knitting machine as well as describing the principles of single bed technology and identifying suitable yarns.

OUTCOMES

1. carry out care and maintenance required to keep the knitting machine in working order;
2. describe the basic principles of single bed technology;
3. explain the use of medium weights of yarn suitable for the standard gauge single bed machine;
4. produce basic stitch formations;
5. produce samples of simple and fashioned shaping, hems and welts and a garment panel.

CREDIT VALUE: 1 NC Credit

ACCESS STATEMENT: No formal entry qualification.

For further information contact: Committee and Administration Unit, SQA, Hanover House, 24 Douglas Street, Glasgow G2 7NQ.

Additional copies of this unit may be purchased from SQA (Sales and Despatch section). At the time of publication, the cost is £1.50 (minimum order £5).

NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION**STATEMENT OF STANDARDS**

UNIT NUMBER: 3311084

UNIT TITLE: INTRODUCTION TO DOMESTIC MACHINE KNITTING

Acceptable performance in this unit will be the satisfactory achievement of the standards set out in this part of the specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

OUTCOME

1. CARRY OUT CARE AND MAINTENANCE REQUIRED TO KEEP THE KNITTING MACHINE IN WORKING ORDER

PERFORMANCE CRITERIA

- (a) The setting up of the machine is completed in accordance with the manufacturer's specified procedures.
- (b) The replacement of damaged needles, needle strip and a worn needle retaining bar is in accordance with manufacturer's specified procedures.
- (c) The replacement of worn brushes and covers is in accordance with specified procedures.
- (d) The use of tools and cleaning materials required for general maintenance is in accordance with specified procedures.

RANGE STATEMENT

Tools and cleaning materials: half inch paint brush; lint free cloths; tweezers; wide topped glass jar; small scissors; cross headed screw driver; long handled catail brush; knitting machine oil; white spirit; cleaners for plastic areas of bed and carriage.

EVIDENCE REQUIREMENTS

Performance evidence of the use of the above range of tools and cleaning materials across the machine operations specified in performance Criteria (a) to (d).

OUTCOME

2. DESCRIBE THE BASIC PRINCIPLES OF SINGLE BED TECHNOLOGY

PERFORMANCE CRITERIA

- (a) The identification of the principal parts of the knitting machine is correct.
- (b) The identification of the needle positions and their associated uses is correct.
- (c) The description of the use of the knitting machine parts is correct with respect to the make and model of machine.

RANGE STATEMENT

Knitting machine parts: parts of the yarn brake assembly; stitch tension dial; holding and operative cam levers for knit; cam lever settings for slip-part-empty, tuck stitch, fair-isle or multi-colour knitting, punch lace and knit-weave; normal or plain lace, fine lace and fashion lace.

Knitting machine parts (their use): lace carriage; comb weights; edge pins; extension rails.

EVIDENCE REQUIREMENTS

Spoken or written identification of the machine parts specified within the range.

Spoken or written description of the uses of the machine parts specified within the range.

OUTCOME

3. EXPLAIN THE USE OF MEDIUM WEIGHTS OF YARN SUITABLE FOR THE STANDARD GAUGE SINGLE BED MACHINE

PERFORMANCE CRITERIA

- (a) The identification of types of yarn suitable for standard gauge single bed work is correct.
- (b) The explanation of the correct setting of the stitch tension dial for each type of yarn is in accordance with the manufacturer's specifications.

RANGE STATEMENT

Types of yarn: natural and man-made.

EVIDENCE REQUIREMENTS

Written identification of the range of yarn types.

Spoken or written explanation of correct settings of stitch tension dial.

OUTCOME**4. PRODUCE BASIC STITCH FORMATIONS****PERFORMANCE CRITERIA**

- (a) The threading up of a weight of yarn appropriate for each of the stitch formations is correct.
- (b) The method of casting on is appropriate to the stitch formation.
- (c) The use of cast on combs and ravel cords is in accordance with recognised techniques and procedures.
- (d) The production of plain and striped stocking stitch fabric samples is correct with respect to given specification.
- (e) The method of casting off is appropriate to the weight of yarn used, and to the stitch formation.

RANGE STATEMENT

Tools: Needle pushers; latch tool; cast-on combs; ravel cords; tapestry needle and transfer tool. Stitch formation: Weaving brush, e-wrap, crochet or latch tool cast on methods; plain and striped stocking stitch; binding and casting off methods.

EVIDENCE REQUIREMENTS

Performance evidence of the production of the range of stitch formations carrying out all the procedures specified within the Performance Criteria.

OUTCOME**5. PRODUCE SAMPLES OF SIMPLE AND FASHIONED SHAPING, HEMS AND WELTS AND A GARMENT PANEL****PERFORMANCE CRITERIA**

- (a) The simple increases and decreases are in accordance with recognised techniques and procedures.

- (b) Multiple increases and decreased are in accordance with recognised techniques and procedures.
- (c) The use of the appropriate tools to complete fully fashioned shaping processes is correct.
- (d) The explanation of the use of claw weights is correct.
- (e) The production of basic hems and welts is correct with respect to given specification.
- (f) The production of a stocking stitch garment panel is correct with respect to a given specification.

RANGE STATEMENT

Tools: single, double, triple and multiple transfer tools; claw weights; ravel cords.

EVIDENCE REQUIREMENTS

Performance evidence of the use of the above range of tools to complete the processes as specified within the Performance Criteria (a) to (c), and (e) to (f).

Spoken or written explanation of the use of claw weights.

ASSESSMENT

In order to achieve this unit, candidates are required to present sufficient evidence that they have met all the performance criteria for each outcome within the range specified. Details of these requirements are given for each outcome. The assessment instruments used should follow the general guidance offered by the SQA assessment model and an integrative approach to assessment is encouraged. (See references at the end of support notes).

Accurate records should be made of the assessment instruments used showing how evidence is generated for each outcome and giving marking schemes and/or checklists, etc. Records of candidates' achievements should be kept. These records will be available for external verification.

SPECIAL NEEDS

In certain cases, modified outcomes and range statements can be proposed for certification. See references at end of support notes.

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NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION**SUPPORT NOTES**

UNIT NUMBER: 3311084

UNIT TITLE: INTRODUCTION TO DOMESTIC MACHINE KNITTING

SUPPORT NOTES: This part of the unit specification is offered as guidance. None of the sections of the support notes is mandatory.

NOTIONAL DESIGN LENGTH: SQA allocates a notional design length to a unit on the basis of time estimated for achievement of the stated standards by a candidate whose starting point is as described in the access statement. The notional design length for this unit is 40 hours. The use of notional design length for programme design and timetabling is advisory only.

PURPOSE The module is designed for those who wish to set up in small business, for occupational therapy and for those pursuing leisure activities.

SQA publishes summaries of NC units for easy reference, publicity purposes, centre handbooks, etc. The summary statement for this unit is as follows:

CONTENT/CONTEXT The candidate should at all times comply with procedures and regulations designed for safe practice and use safe working practices specified for equipment and work areas.

Corresponding to the outcomes:

1. Setting up the knitting machine, ability to change brushes, needles and care of the needle retaining bar. Cleaning materials and tools required for general maintenance.
2. Yarn brake assembly, needle positions, holding cams and stitch dial systems, operative cam levers for knit, slip-part - empty operative cam levers, tuck, multi-colour of fair-isle, knitweave and punch or thread lace. Lace carriage, comb weights, edge pins and extension rails.
3. Natural and man-made yarns, suitable yarn types and weights, factors relating to correct choice of stitch size.
4. Threading up procedures, casting on methods and knitting of plain and striped stocking stitch samples. cast on combs, laying and knitting in ravel cord methods, casting off procedures.
5. Simple and fashioned methods of increasing and decreasing, multiple stitch shaping, open and closed end hems and welts. Mock ribs 1 x 1, 2 x 1, 3 x 1; picot hems. Garment panel in stocking stitch.

APPROACHES TO GENERATING EVIDENCE A candidate-centred, resource-based learning approach is recommended. During the work of the module candidate should have several opportunities to develop their practical skills, and should be assessed at appropriate points. Each procedure should be demonstrated and should be followed by supervised participation by the candidate. Terminology should be presented in context throughout the module. Examples of garment panels should be available for the candidate to compare standards. Candidates' progress should be monitored by an ongoing assessment of properly structured work books. Safe practices and care in the use of equipment should be an integral part of the module activities. Where the candidate is unsuccessful in achieving an outcome, provision should be made for remediation and reassessment.

ASSESSMENT PROCEDURES Centres may use Instruments of Assessment which are considered by tutors/trainers to be the most appropriate. Examples of Instruments of Assessment which could be used are as follows:

Outcomes 1, 4 and 5	Practical exercises could be used to assess each performance criterion. Observation checklists may be used to evidence the candidate's completion of the practical exercises. The candidate could complete a workbook of samples within which he/she would keep a record of their own performance.
Outcomes 2 and 3	Structured question(s) and/or restricted response questions may be used.

EXEMPLARS Machine Knitting Technology and Patterns by Mary Weaver.

PROGRESSION The candidate could progress into other Domestic Machine Knitting modules.

RECOGNITION Many SQA NC units are recognised for entry/recruitment purposes. For up-to-date information see the SQA guide 'Recognised and Recommended Groupings'.

REFERENCES

1. Guide to unit writing.
2. For a fuller discussion on assessment issues, please refer to SQA's Guide to Assessment.
3. Procedures for special needs statements are set out in SQA's guide 'Students with Special Needs'.
4. Information for centres on SQA's operating procedures is contained in SQA's Guide to Procedures.
5. For details of other SQA publications, please consult SQA's publications list.

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