

WORLDSKILLS STANDARD SPECIFICATION

Skill 31

Fashion Technology





THE WORLDSKILLS STANDARDS SPECIFICATION (WSSS)

GENERAL NOTES ON THE WSSS

The WSSS specifies the knowledge, understanding and specific skills that underpin international best practice in technical and vocational performance. It should reflect a shared global understanding of what the associated work role(s) or occupation(s) represent for industry and business (www.worldskills.org/WSSS).

The skill competition is intended to reflect international best practice as described by the WSSS, and to the extent that it is able to. The Standards Specification is therefore a guide to the required training and preparation for the skill competition.

In the skill competition the assessment of knowledge and understanding will take place through the assessment of performance. There will not be separate tests of knowledge and understanding.

The Standards Specification is divided into distinct sections with headings and reference numbers added.

Each section is assigned a percentage of the total marks to indicate its relative importance within the Standards Specification. The sum of all the percentage marks is 100.

The Marking Scheme and Test Project will assess only those skills that are set out in the Standards Specification. They will reflect the Standards Specification as comprehensively as possible within the constraints of the skill competition.

The Marking Scheme and Test Project will follow the allocation of marks within the Standards Specification to the extent practically possible. A variation of five percent is allowed, provided that this does not distort the weightings assigned by the Standards Specification.



WORLDSKILLS STANDARDS SPECIFICATION

SECTION		RELATIVE IMPORTANCE (%)
1	Work organization and management	5
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • Materials, their characteristics, properties and uses • The fashion industry processes across the world • Processes for mass produced, small collection, bespoke and couture fashion • Industry jargon and terminology • Specialist areas and sectors exist within the industry including knitwear, menswear, children and infants' clothing • The need for marketing and the business practice • The importance of continuous professional development • Health and safety regulations and best practice • The importance of maintaining a clean and organized workplace • The importance of effective work-planning and organization • The importance of accuracy and care when preparing fabrics for production • The range, uses and care of specialist tools and equipment used in the fashion industry • Issues relating to ethics and sustainability relating to the purchase, production and sale of fashion items • How to assess for quality assurance 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Proactively develop own knowledge and skills • Demonstrate an awareness of current trends and fashions in clothing design, accessories, colours, fabrics etc. • Fully comply with and promote health and safety practices in the workplace to maintain a safe and healthy working environment • Use all equipment safely and according to manufacturers' instructions • Use and care for all specialist tools and equipment used in the fashion industry • Select the correct tool or piece of equipment for each task and design • Plan and prioritize work in order to maximize efficiency in the workplace and to meet deadlines • Work cleanly and safely so as to protect materials and finished products throughout • Source support for business development • Purchase materials and fabrics cost effectively and with due consideration of sustainability and ethics 	



2	Communications and Interpersonal Skills	5
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • That client confidentiality is critical • The importance of tact, discretion and diplomacy when meeting with clients • How to communicate effectively with other industry professionals (including ordering materials or sub-contracting work) • How to communicate effectively including presentation and sales skills 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Communicate effectively with clients • Act with complete confidentiality and discretion when working with clients • Provide expert advice and guidance to clients to enable them to make informed decisions about their purchase • Provide expert and tactful guidance on styles, colours and fabrics that will suit the need of the client and be appropriate for specific events • Provide expert advice and guidance to a client on the after care of the garment • Present ideas, designs, vision and production solutions to clients 	
3	Problem Solving, Innovation and Creativity	5
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • The importance of both individuality and conformity to the fashion industry • Creativity and its relevance and importance to the fashion industry 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Demonstrate innovation and creativity in design • Think creatively to devise innovative solutions • Use creative solutions to resolve design and manufacturing challenges • Alter garments to provide a better or custom fit, to update or to make garments more appropriate • Critically judge the quality of the garment and finish and proactively seek resolutions to any imperfections 	



4	Fashion Design	10
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • The design elements and principles • The range of fabrics and materials available to the fashion designer, their characteristics, uses and care • Current fashions, trends and themes relating to materials and fabrics, colour and style • The impact of culture and tradition in fashion design • The range and type of substitute materials that can be used as part of a fashion garment design • The co-ordination of colours, styles, materials/fabrics, accessories and themes • The range of styles and cuts that are common in garment making • The impact of body shape and size on the fit and appearance of a fashion garment • Global influences on fashion design and how traditions and national characteristics impact design • How to communicate design concepts and ideas to potential clients or industry professionals 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Research fashion trends and apply these to appropriately to designs • Direct the design to the target market or individual when designing fashion items • Create theme/trend boards and illustrations to communicate ideas, concepts and visions • Identify different types of fabric and select suitable fabrics for particular uses • Apply knowledge of basic cuts and styles to inform designs but not to restrict creativity and innovation • Select appropriate fabrics to different fashion designs • Select and use different notions such as zips, buttons, shoulder pads as well as trims like lace, beads and ribbons • Apply different embellishments and accessories to the design • Co-ordinate colours, styles, materials/fabrics and accessories to produce high quality design • Use artistic ability, creativity and innovation to design a full variety of garments for all manner of events • Create designs following a theme or design brief • Alter and adapt designs to meet clients' needs and to make the design relevant to the brief • Modify ready-made garments to create new designs 	
5	Technical Drawing	10
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • How to read and create specialist technical drawings • Specialist industry-related terminology and symbols • The use of IT and specialist software to produce images and designs 	



	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Communicate effectively with clients • Act with complete confidentiality and discretion when working with clients • Provide expert advice and guidance to clients to enable them to make informed decisions about their purchase • Provide expert and tactful guidance on styles, colours and fabrics that will suit the need of the client and be appropriate for specific events • Provide expert advice and guidance to a client on the after care of the garment • Present ideas, designs, vision and production solutions to client • Create specialist technical drawings using industry recognized terminology and symbols that effectively convey necessary design details and vision • Read and interpret technical drawings • Prepare line flat drawings by hand • Use computers and specialist software to create CAD 2D and 3D images • Clearly label drawings and images • Prepare clear, logical, sequential and accurate written and diagrammatical instructions that convey all necessary information in readiness for production assembly and the manufacturing process (e.g. spec sheets) 	
6	Pattern Construction and Draping	20
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • The construction of garments using 2D patterns or 3D draping • The process to create 2D patterns for various garments • The use of IT specialist software to produce patterns • Basic grading of patterns to other sizes • The use of dressforms in constructing garments • How various fabrics react to different styles or production techniques • How to mark fabrics and the importance of accuracy 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Create/develop or alter patterns for various types of garments, such as tailored jackets, dresses, skirts or trousers • Drape on dressforms for various types of garments, such as tailored jackets, dresses, skirts or trousers • Select the best method of construction appropriate to different fabrics and designs • Prepare calico/muslin or toile garments or parts of garments to prototype/test patterns • Measure and mark accurately • Fit garments to specified sizes • Label patterns with clear information regarding size, style, cutting etc. 	



7	Cutting, Sewing and Finishing Techniques	45
	<p>The individual needs to know and understand:</p> <ul style="list-style-type: none"> • The importance of accuracy when cutting fabrics in order to minimize wastage and to optimize the finished garment • Pattern preparation and correct layout of patterns on fabric • The use of cutting tools both manual and electric • The machinery and tools used for sewing • The maintenance and use of industrial machines • Garment construction processes/techniques • Different types of stitching and finishing and their appropriate applications • Various notions/trims and their uses such as threads, zips, piping, fastenings etc. • The properties of different fabrics and how to handle them 	
	<p>The individual shall be able to:</p> <ul style="list-style-type: none"> • Accurately measure fabrics according to the pattern • Prepare a layout to optimize fabric utilization • Cut fabrics accurately using the most appropriate tool or piece of equipment • Cut accurately following cutting instructions • Use various types of industrial equipment used in the fashion industry, such as sewing machines, overlocking machines, irons and fusing press • Select the appropriate tool or equipment for the task • Use all machinery safely and in accordance with the manufacturer's instructions • Conduct trials to ensure that the machine settings are appropriate for fabrics being used • Apply fusing appropriately and effectively to different parts of the designed style • Apply interfacing, interlining and lining appropriately • Handle and care for fabrics to ensure that they are not damaged and remain in good condition • Construct linings and facings appropriately according to the style of the designed garment • Sew accurately by machine various types of garments or parts of garments • Finish fashion garments professionally • Finish parts of garments with hand sewing • Proficiently execute specialist sewing skills and techniques • Press garments effectively 	