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# **GCSE MARKING SCHEME**

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**SUMMER 2016**

**DESIGN & TECHNOLOGY: TEXTILES  
4131/01**

## **INTRODUCTION**

This marking scheme was used by WJEC for the 2016 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

**GCSE DESIGN & TECHNOLOGY: TEXTILES**

**SUMMER 2016 MARK SCHEME**

**SECTION A**

Question				On paper	Question Totals	Overall TOTAL
1	(a)		No answer or an incorrect answer. <i>Only acceptable answer:</i> Batch Production	0 1	1	1
	(b)	(i)	No answer or an incorrect answer. <i>Answers that indicate an understanding of the reason for detachable legs can be awarded a mark based on:</i> removing them would make it easier to wash the item; easier to pack it way when not in use; less complicated/easier to manufacture. <i>A one mark answer:</i> It would make it easier to wash the product.	0 1	1	
		(ii)	No answer or an incorrect answer. <i>Answers that indicate an understanding of the reason for simple fastenings can be awarded up to <b>two</b> marks based on:</i> the costume is aimed at very young children so that fastenings need to be simple to allow them some independence when dressing up; reference to Velcro/elasticated waist being easy for children; comfortable to wear. <i>A one mark answer:</i> children can easily do up Velcro. <i>A more developed response for 2 marks:</i> the fastenings have to be simple for children to dress themselves and be independent.	0 1 2	2	3
	(c)		No answer or an incorrect answer. <i>Answers that indicate an understanding of costume being aesthetically pleasing to the target market can be awarded up to <b>two</b> marks for each reason based on:</i> the colours are quite dramatic/contrasting right for Halloween; the face is a little scary but child friendly at the same time – appealing; googly eyes are amusing; a range of textures (furry, shiny) make it interesting to look; it's a friendly looking spider but altogether children might think it's scary – the main objective for Halloween! <i>A one mark answer:</i> the colours are quite dramatic. <i>A more developed response for 2 marks:</i> the black and purple colours are quite dramatic and most suitable for a scary Halloween outfit. Children would like this aspect.	0 1 2	2x2	4

Question				On paper	Question Totals	Overall TOTAL
1	(d)	No answer or an incorrect answer. <i>Answers that indicate an understanding of the choice of materials enhancing the appeal of the costume can be awarded up to <b>three</b> marks based on:</i> a range of textures – printed velour for the body is both smooth and glossy; the spider face is polyester fleece which is furry has a nice feel for children; the polyester trousers are smooth in contrast to the rest; spider legs are smooth and shiny. <i>A one mark answer:</i> the different textures make the costume appealing. <i>A more developed response for 2 marks:</i> some of the materials are shiny and smooth whilst others are furry which would add to its appeal. <i>A fully developed response for 3 marks:</i> There is a wide range of contrasting materials; some are smooth and shiny whilst others are soft and furry such as like the spiders face. This makes the costume more interesting and enhances its appeal. <b>Answers are expected to demonstrate an understanding of the tactile nature of the different materials which would enhance the appeal.</b>	0			
			1			
			2			
			3	3	3	
	(e)	(i)	No answer or an incorrect answer. <i>Only acceptable answer:</i> DESIGN	0 1	1	
		(ii)	No answer or an incorrect answer. <i>Only acceptable answer:</i> 61	0 1	1	
		(iii)	No answer or an incorrect answer. <i>Award 1 mark for an incorrect answer but method is correct</i> <i>Correct answer with calculations:</i> 2 marks $\frac{1.68}{14} \times 100 = \text{£}12$ Award one mark for a correct answer but no calculations.	0 1 2	2	4
					15	15
2	(a)	No answer or an incorrect answer. <i>Only acceptable answers:</i> REUSE – Old buttons can be used to decorate new products. REPAIR – Mend textile products, don't throw them away! REDUCE - An economical lay plan produces less waste material.	0 1 1 1	3	3	
		(b) (i)	No answer or an incorrect answer. <i>Only acceptable answer:</i> TRUE	0 1	1	
		(ii)	No answer or an incorrect answer. <i>Only acceptable answer:</i> FALSE	0 1	1	
		(iii)	No answer or an incorrect answer. <i>Only acceptable answer:</i> TRUE	0 1	1	3

Question				On paper	Question Totals	Overall TOTAL
2	(c)	(i)	No answer or an incorrect answer. <i>Only acceptable answer: LION MARK</i>	0 1	1	
		(ii)	No answer or an incorrect answer. <i>Award up to <b>three</b> marks for answers that demonstrate an understanding of the meaning and protection for customers based on: it acts as a recognisable consumer symbol denoting safety and quality; it indicates that the toy has been made by a member of the British Toy &amp; Hobby Association who adhere to rules covering ethical and safe manufacture of toys; it is a consumer symbol meaning consumers can be assured that a toy which bears the Lion Mark has been made by a member who believes in making good quality, safe toys.</i> <i>A one mark answer: The toy has been manufactured to a high standard and is safe.</i> <i>A more developed response for 2 marks: The toy has been manufactured by a member of the Toy and Hobby Association and is safe for children to play with.</i> <i>A fully developed response for 3 marks: The toy has been manufactured by a member of the Toy and Hobby Association and is a guarantee of safety and quality. Customers can be assured that it is safe for children to play with.</i>	0  1 2 3	3	4
					10	25

Question				On paper	Question Totals	Overall TOTAL
3	(a)	(i)	No answer or an incorrect answer. <i>Only acceptable answer:</i> MATTHEW WILLIAMSON	0 1		
		(ii)	No answer or an incorrect answer. <i>Only acceptable answer:</i> STELLA McCARTNEY	0 1	2	2
	(b)		No answer or no relevant issues described or discussed Answers must indicate a general understanding of the <b>STYLE</b> of the designer's work <b>and</b> elements that <b>INFLUENCE</b> their design thinking. STEP 1: Award <b>one</b> mark for each relevant fact up to 8 marks. STEP 2: Assess QWC as follows: The maximum mark that can be awarded is eight. 1. If QWC band is 4 – move D&T mark up 2 if that is possible. 2. If QWC band is 3 – make no change. 3. If QWC band is 2 – move D&T mark down 1 mark. 4. If QWC band is 1 – move D&T mark down 2 marks.	0		
			STEP 2: THEN ASSESS THE QUALITY OF WRITTEN COMMUNICATION			
			Quality of Written Communication is limited, presenting material with limited coherence, many errors of grammar, punctuation and spelling.	Band 1		
			Quality of Written Communication is basic, presenting occasionally appropriate material with some coherence, some errors of grammar, punctuation and spelling.	Band 2		
			Quality of Written Communication is good, presenting mainly appropriate material in a coherent manner, few errors of grammar, punctuation and spelling.	Band 3		
			Quality of Written Communication is excellent, presenting wholly appropriate material in a coherent and logical manner, hardly any errors of grammar, punctuation and spelling.	Band 4		
			Answers <b>MUST describe the designer's style and elements that influence their design thinking.</b> <u>Both parts of the question</u> must be answered for full marks. <b>No marks</b> are awarded for personal details.			

Question			On paper	Question Totals	Overall TOTAL
3	(b)	<p>MATTHEW WILLIAMSON</p> <ul style="list-style-type: none"> <li>• MW has a <b>romantic</b> approach to his creations.</li> <li>• He is passionate about his designs with the aim that people will like to wear them.</li> <li>• Williamson's creations are wearable for most women.</li> <li>• MW does not adapt his style to fit in with current trends.</li> <li>• MW believes the woman is the statement not the clothes, a free spirit, <b>Bohemian</b>. (INFLUENCE)</li> <li>• MW gains a lot of his inspiration from travel across the globe e.g. <b>Morocco and India colourful landscapes as well as nature and plants</b> this is reflected in his work (INFLUENCE)</li> <li>• MW went to Central St. Martin's and had a formal route into pattern cutting; this is reflected in his work.</li> <li>• MW uses patterns on his more <b>romantic colourful creations</b> often made from <b>silk</b> or <b>chiffon</b>.</li> <li>• MW is known mainly for his <b>colourful print designs</b> which reflect nature but also for the use of <b>embroidery enhanced by beading</b> etc.</li> </ul>	8		
		<p>STELLA McCARTNEY</p> <ul style="list-style-type: none"> <li>• SM describes her style as 'naturally sexy, naturally confident and modern.'</li> <li>• Has a distinctive look – a mixture of feminine romanticism and urbane functional modernity.</li> <li>• Uses flowing fabrics in pastel shades with lace matched with tailoring.</li> <li>• Signature style fuses tailored garments with feminine pieces inspired by lingerie. (INFLUENCE)</li> <li>• SM led the fashion house Chloe into the new millennium with her style. Chloe was faltering before her arrival.</li> <li>• She has strong anti-fur beliefs; campaigns for animals; strict vegan diet. No leather or fur in her collections.</li> <li>• Uses wind power in her shops and provides recycled shopping bags.</li> <li>• She combines high end fashion with a green conscience – better than any other designer. (INFLUENCE)</li> <li>• Her style combines effortless appeal with a sporty edge.</li> <li>• Working in Saville Row has had a lasting impact on her work – tailoring.</li> <li>• It is important to SM that women feel comfortable in her clothes – easy to wear feeling.</li> <li>• Takes inspiration from current trends picking up on what is going on in the world. (INFLUENCE)</li> <li>• Looks back on periods of history – 1970s, 1980s and 1990s.</li> <li>• Fashion history informs her work.</li> <li>• Seeing women wearing her clothes is her greatest pleasure.</li> <li>• Working with other designers for example Jeff Koons for prints and accessories inspires her.</li> <li>• Worked with Adidas for specific garments for running, gym, yoga, tennis, swimming, golf, and winter sports.</li> </ul>	OR  8	8	10
					10
					35



Question				On paper	Question Totals	Overall TOTAL	
4	(c)	(iii)	No answer or no colour or very poor use of colour – 0 mark <i>Answers that clearly show an attempt by the candidate to use and interpret the colours of the pictures to design a summer outfit should be credited.</i>	0			
			A weak interpretation of the colours of the pictures; lacks imagination or creativity.	1			
			A good interpretation of the colours of the pictures. Some imagination and creativity.	2			
			An excellent interpretation of the colours of the pictures. Highly imaginative and creative.	3	3		
		(iv)	No answer or an incorrect answer. <i>Award <b>one</b> mark for each specific named style detail for example: named necklines –round neck, V neck, collarless; types of pocket - patch, welt; shaping – darts, princess line, gathers, tucks; named fastenings – frogs, toggles; named sleeve style and so on.....</i> <b>Note: named style details must be <u>correctly drawn</u>.</b> <b>Do not accept named accessories e.g. a belt that is not part of the outfit.</b>	0 1 1 1	3		
		(v)	No answer or the material is unsuitable - 0 mark Award one mark for a <b>suitable material</b> for summer wear which could include for example: linen; cotton and all cotton types; polyester cotton; silk; knitted cotton; denim. Award one mark for an appropriate reason for choosing the named material. <b>A specific property must be stated that makes the material highly suitable for summer wear.</b>	0 1 1	2		
		(vi)	No answer or the answer cannot be understood, no annotation. Poor quality graphic skills, hard to understand, annotation unclear. Graphic skills are adequate, understandable, limited annotation of important style details. Good graphic details and image, appropriate styling, understandable, good annotation of important style details. Excellent graphic details and image, highly appropriate styling, with correct annotation of important style details and techniques.	0 1 2 3 4	4	18	
						25	60

Question				On paper	Question Totals	Overall TOTAL	
5	(a)	(i)	No answer or an incorrect answer – 0 mark <i>Only acceptable answers:</i> London, Paris	0 1 1	2		
		(ii)	No answer or an incorrect answer – 0 mark <i>Only acceptable answers:</i> Picture A: Haute Couture Picture C: mass produced	0 1 1	2		
		(iii)	No answer or an incorrect answer. Accept answers based on: <b>Fashion Fad:</b> A fashionable product that sells quickly/is very popular on introduction, sales peak quickly and sales drop off just as quickly. Short period of time – a season. No longer desired. <b>Contemporary fashion:</b> products that are current very popular and fashionable; what people are currently wearing /using/ buying. <b>Street fashion:</b> styles of clothing that youths/young people have adopted or created that is not part of mainstream fashion; part of a group identity. <i>A typical one mark answer:</i> A fashion fad is a style that is extremely popular for a short period of time.	0 1 1 1	3	7	
	(b)	No answer or an incorrect answer - 0 mark <i>Award up to <b>three</b> marks for answers that clearly demonstrate an understanding of global manufacturing based on:</i> products can be designed in one country where there is expertise to develop new products; products can be made in a different place where labour might be cheaper (or more skilled); materials can be sourced from anywhere and shipped to where they are needed; products can be shipped to the market place quite easily. Globalisation allows the manufacturer to maximise profit; employ the best designers; manufacturers have some flexibility in getting access to whatever they need in order to make the best product for the market place. <i>Award <b>one</b> mark for <b>each clear point</b> stated for example:</i> A manufacturer can get products made where the labour force is cheaper making it less expensive/more profitable.	0 1 1 1	3	3		
						10	70

Question				On paper	Question Totals	Overall TOTAL
6	(a)	(i)	No answer or an incorrect answer 0 – mark Only acceptable answers in this order: ZIP FASTENER HOOK AND EYE BUCKLE	0 1 1 1	3	
		(ii)	No answer or an incorrect answer - 0 mark Only acceptable answer: FASTENINGS	0 1	1	
		(iii)	No answer or an incorrect answer - 0 mark Answers must clearly show an understanding of eyelets; answers could describe a creative fastening or used solely as decoration. <i>Award one mark for answers based on:</i> inserted on either side of an opening with ribbon /fancy cord threaded through; eyelet holes punched into material in a fancy pattern for example along a hem. <i>Accept other suitable suggestions.</i>	0 1	1	5
	(b)	(i)	No answer or answers are incorrect – 0 mark. <b>Stain resistance:</b> Award one mark for any of the following: trousers; carpet; clothing (accept other suitable named products) <b>Brushing:</b> Award one mark for any of the following: bedding; fleece garments.	0 1 1	2	
		(ii)	No answer or answers are incorrect 0 – mark <i>Award up to two marks for explanations based on:</i> <b>Stain resistance:</b> the finish prevents dirt from clinging to the surface of the material therefore the product will look better for longer despite it being used for a long time; can wear / use it without fear of it being ruined if something gets spilt on it. <i>A one mark answer:</i> anything spilt on it will not leave a mark. <i>A more developed response for two marks:</i> the product will look good for a much longer time as nothing will mark the material permanently because of the finish. <b>Brushing:</b> brushing raises the surface of the material making it softer and fluffier; brushed material is warmer to wear. <i>A one mark answer:</i> Brushed materials are warmer to wear. <i>A more developed response for two marks:</i> The brushed materials are warmer to wear because the raised surface traps air which keeps the warmth in.	0 1 2 1 2	4	6
	(c)	(i)	No answer or an incorrect answer - 0 mark Acceptable answers include: Heart monitors integrated into clothing; mobile phones/ipods integrated into clothing e.g. on sleeves; speakers integrated into hats/ hoods etc; GPS tracking systems in various items of clothing; sensors integrated into materials to monitor a range of situations..... <i>other answers may be acceptable</i>	0 1		

Question				On paper	Question Totals	Overall TOTAL
6	(b)	(ii)	No answer or an answer that is incorrect – 0 mark	0		
			This answer will be dependent on the answer given in (i)			
			<i>Award up to <b>three</b> marks for a fully reasoned explanation of any of the above for example:</i>			
			<i>A one mark answer: A skier can be tracked easily when out skiing.</i>	1		
			<i>A two mark answer: A GPS system will allow a skier who has got lost to be tracked more easily.</i>	2		
			<i>A fully developed answer for three marks: A GPS tracking system integrated into the ski suit will allow a skier who has gone off-piste / got lost or suffered serious injury whilst out skiing to be tracked and rescued quickly.</i>	3	3	4
						15
						85
7	(a)	(i)	No answer or an incorrect answer – 0 marks	0		
			<i>Only acceptable answer in this order:</i>			
			• Embroidery scissors.	1		
			• <i>Used for</i> trimming intricate/delicate pieces of work such as appliqué.	1		
			• Quick unpick; unpicker; seam ripper; button hole cutter.	1		
			• <i>Used for</i> undoing faulty stitching.	1		
			• Sewing needles.	1		
• <i>Used for</i> sewing by hand.	1	6				
		(ii)	No answer or an incorrect answer - 0 mark	0		
			<i>Award up to <b>two</b> marks for answers based on:</i> all the edges are enclosed so the seam does not need neatening; on sheer fabrics the seam may be visible, this is a neater method.			
			<i>A one mark answer:</i> the raw edges are all covered up.	1		
			<i>A two mark answer:</i> it's a neater finish where all raw edges are hidden as the seam could be visible through the material.	2	2	8
	(b)	(i)	No answer or an incorrect answer - 0 marks	0		
			<i>Award up to <b>two</b> marks for answers based on:</i> a printed image lies on the surface of the material (surface decoration) whereas dyeing material completely changes its appearance because the material is completely submerged in a dye bath (colour soaks through the yarns).			
			<i>A one mark answer:</i> Dyeing colours the material, a print lies on top.	1		
			<i>A two mark answer:</i> Dyeing transforms the material as the colour goes through the material where as a print lies on the surface of the material.	2	2	

Question				On paper	Question Totals	Overall TOTAL
7	(b)	(ii)	No answer or an incorrect answer - 0 mark <i>Award up to <b>three</b> marks for answers based on any of the following:</i> creating the picture – fabric painting, use of felt pens, pastel crayons; appliqué several pieces, machine embroidery, reverse appliqué, stitching ribbons; to attach the picture – applique method most suitable but accept for example satin stitch to stitch around it. ( <i>Accept other suitable methods</i> ). <i>A one mark basic answer:</i> hand paint the square and stitch it on. <i>A more developed answer for two marks:</i> Mask out the white areas then hand paint the square. Use a satin stitch to attach it to the bag. <i>A fully developed response for three marks:</i> Mask out the white areas then hand paint some sections and appliqué the triangular parts. Use a satin stitch to attach it to the bag.	0  1 2 3	3	
		(iii)	No answer or an incorrect answer - 0 mark <i>Only one acceptable answer:</i> PIPING	0 1	1	6
		(c)	No answer or a method that would not work - 0 mark <i>Award up to <b>two</b> marks for an alternative handle that would work for example:</i> inserting the strap for the handle between the lining and outer panel; using large eyelets with a heavy rope for the handle; metal / plastic D ring with a loop attached to the bag with a strap attached to the other side of the ring. Accept other suggestions that would CLEARLY work. <i>A one mark answer:</i> basic sketch, idea could work. <i>A two marks answer:</i> good sketch, idea would clearly function.  No answer or no notes to support the method – 0 mark <b>Answers will vary dependent on the sketched idea.</b> <i>Award up to <b>four</b> marks for the method to attach the strap to the bag. Look for at least four points that clearly demonstrate good knowledge to award full marks.</i> <i>Assess the quality of work as a whole and apply marks for notes and sketches on a 'best fit' approach.</i>	0  1 2  0 1 1 1 1	6	6
					20	105
8	(a)	(i)	No answer or an incorrect answer – 0 mark Only acceptable answers in this order: CAM; ICT; CAD	0 1 1 1	3	
		(ii)	No answer or an incorrect answer – 0 mark Award one mark for each acceptable answer for example: laser cutter; computerised machine embroidery; heat transfer printing. ( <i>Accept other suitable methods</i> )	0 1 1	2	5
		(i)	No answer or an incorrect answer – 0 mark <i>Award up to <b>two</b> marks for answers based on:</i> a step by step guide to manufacture a product; a sequence that someone else could follow; a necessity in order to manufacture the product correctly. <i>A one mark answer:</i> A list of instructions on how to make the product. <i>A two mark answer:</i> A step by step list of instructions on how to make the product that someone else could make the identical product.	0  1 2	2	

Question				On paper	Question Totals	Overall TOTAL
8	(b)	(ii)	No answer or an incorrect answer - 0 mark <i>Only acceptable answer:</i>	0		
				1	1	
		(iii)	No answer or an incorrect answer – 0 mark <i>Award up to <b>two</b> marks for answers based on:</i> QC points identify areas where a check on quality is needed before progressing to the next stage; allows faults to be corrected to ensure standards are maintained. Candidates might refer to feedback. <i>A one mark answer:</i> A QC point allows the manufacturer to check that everything is to the required standard. <i>A two mark answer:</i> QC points are important and occur throughout the manufacturing process so that faults can be rectified and standards maintained throughout production. Ensures high quality outcomes.	0  1  2	  2	  5
	(c)	(i)	No answer or an incorrect answer – 0 mark <i>Award up to <b>two</b> marks for answers based on:</i> a virtual prototype allows designers to visualise the 3D outcome without actually manufacturing it – saves time and cost. A virtual catwalk can be put together to show a collection relatively easily and quickly; the models can rotate and move so that different angles and viewpoints can be looked at. <i>A one mark answer:</i> It is an advantage to see what the actual garment will look like in reality. <i>A two mark answer:</i> It is an advantage to see what the actual garment will look like in reality before you go to the trouble and expense of actually making it. <b>No marks to be awarded for unqualified assertions, e.g. Quicker, faster, easier etc.</b>	0  1  2	  2	
		(ii)	No answer or an incorrect answer – 0 mark <i>Award up to <b>three</b> marks for answers based on:</i> techniques and methods of making can be tested; the fit of the product can be tested and adjusted as required; proportions are better visualised on an actual body; a prototype gives a realistic idea of how the final idea will look; the drape/handle of the material can be tested. <b>Award one mark for each point which is beneficial to the designer.</b> <i>A typical answer for one mark:</i> The method of making can be fully explored in order to find the most efficient method of making the product.	0  1 1 1	  3	  5
						15
						120