



GCSE MARKING SCHEME

SUMMER 2022

**GCSE
DESIGN AND TECHNOLOGY
FASHION & TEXTILES - UNIT 1
3602U10-1**

INTRODUCTION

This marking scheme was used by WJEC for the 2022 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 AND TECHNOLOGY

FASHION & TEXTILES - UNIT 1

SUMMER 2022 MARK SCHEME

Question 1				
The eco-friendly knitted jumper made from 100% sustainable pure new wool will go through several stages during its life cycle.		AO3	AO4	Mark
(a)	Before the product is launched on the market place careful consideration would have been given to the choice of yarn to knit the eco-friendly jumper.		✓	2
	Place two ticks (✓) in the table below to indicate the most appropriate reasons for choosing 100% pure new wool yarn for an eco-friendly jumper.			
	<p><i>Only acceptable answers based on the jumper being eco-friendly:</i></p> <ul style="list-style-type: none"> • Pure wool is fully biodegradable • The wool is made from entirely sustainable natural fibres 			1 1
(b) (i)	State the name of the stage when sales of the eco-friendly jumper levelled out.		✓	1
	<p><i>Only acceptable answer:</i></p> <ul style="list-style-type: none"> • Maturity 			1
(b) (ii)	Describe what is happening to the sales of the eco-friendly jumper in the final two stages of its life cycle stated below.		✓	4
	<p><i>Answers that indicate an understanding of the final two stages of the product life cycle should be awarded up to 2 marks each based on:</i></p> <p>Decline: Sales have fallen due to the product losing popularity; or the market is saturated with the product so longer being purchased as much; product no longer on trend or most fashionable so no one wants it anymore; could be found in sales racks where some perceive it as a bargain at a reduced sales price; included in promotional events to boost final sales.</p> <p>Obsolescence: No longer being sold at all as no longer needed or wanted; the market fully saturated with the product so there is no market for the product; out of fashion – replaced by other newer products.</p> <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>Brief description, some understanding for example:</i> Product is not selling as well as it was.</p> <p><i>More detail with understanding for example:</i> Sales have fallen but there is still a small demand for the product particularly if it is in a sales event at a reduced price.</p>			0 1 2

(c)	Explain why the eco-friendly jumper will have less of an environmental impact when finally disposed of when compared to a similarly styled acrylic jumper.		✓	3
<p><i>Answers that indicate an understanding of environmental properties of wool as a sustainable product should be awarded up to 3 marks based on:</i></p> <ul style="list-style-type: none"> • Wool is a natural fibre from sheep – does not necessarily need applied finishes • Wool does not need chemicals to boost growth of the fibre – eco-friendly from sheep, so no chemical traces on disposal • Wool is fully biodegradable and therefore will decompose quickly if final disposal is in landfill – months not years • Acrylic is derived from petrochemicals • Acrylic is not biodegradable and will take years to degrade if at all – long lasting residue in soil <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>Brief description, very little detail for example:</i> Wool will decompose quite quickly in landfill.</p> <p><i>Some detail with some understanding of wool for example:</i> As wool is a natural fibre from a sheep it will decompose quite quickly if it ends up in landfill.</p> <p><i>A detailed explanation with clear understanding of wool and acrylic for example:</i> As wool is natural from a sheep it will decompose quite quickly if it should end up in landfill. Acrylic being a manmade synthetic fibre it will not decompose and will have a bigger impact on the environment on disposal.</p> <p><i>Note: for 3 marks both wool and acrylic should be referenced in the answer.</i></p>				0 1 2 3
Total			10	

Question 2				
Advances in technology and in particular Computer Aided Manufacture (CAM) offers more opportunities for design and manufacture within the fashion and textiles industry.		AO3	AO4	Mark
(a)	The motif below is being stitched on a domestic computerised sewing machine. Describe in detail one advantage of stitching a motif on this type of machine.		✓	2
	<p><i>Answers that indicate an understanding of stitching a motif on a computerised sewing machine should be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • High quality finish as it is controlled by a computer – e.g. thread tension • Machine can go back a few stitches if thread snaps – no stitches missed – high quality • Complexity of designs cannot be achieved as easily by hand • Designs can be repeated many times and achieve same quality of finish <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>An advantage with some understanding:</i> More complex designs are possible.</p> <p><i>A more detailed advantage with clear understanding:</i> More complex designs are possible with computerised machines that are not possible by manually controlling the machine.</p>			0
				1
				2

(b)	The multi-head industrial embroidery machine shown below also stitches motifs onto fabrics. Explain how CAM used in this way benefits the manufacturer.		✓	4
<p><i>Answers that indicate an understanding CAM in relation to the multi head embroidery machine should be awarded up to 4 marks based on:</i></p> <ul style="list-style-type: none"> • Quality is maintained as all motifs will be identical • Manufacturing in large quantities is possible – several completed at once – more products completed for sale • Better production capability will support an increase in profit • As the machine is automated it will stop if an error occurs allowing the error to be corrected immediately – quality control/quality assurance • Automated colour changes speed up production – cost effective • Multiple automated machinery operated by a single worker – reduced wages <p>Guidance to markers</p> <p><i>Incorrect/no answer</i> 0</p> <p><i>Brief description, very little detail for example:</i> Many embroidered motifs can be completed at once. 1</p> <p><i>Some detail with some understanding of CAM for example:</i> Production is speeded up as many embroidered motifs can be completed to the same quality in one go. 2</p> <p><i>A detailed explanation with understanding of CAM for example:</i> Production is speeded up as many embroidered motifs can be completed to the same quality in one go meaning more products can be completed for sale ultimately leading to an increase in profit. 3</p> <p><i>A clear and detailed explanation of using CAM for the embroidery for example:</i> Automated machinery speeds up production and quality will be consistently high as machinery is controlled by the computers. This can lead to increase in profit through additional sales. Less workers are needed to operate the machinery so wages are saved further reducing costs. 4</p>				

(c)	The peplum on the dress below has been cut on a laser cutter. Describe two advantages to the designer of using CAM in this way.		✓	4
<p><i>Answers that indicate an understanding of the advantages of using laser cutters /CAM in this way should be awarded up to 4 marks (2 for each detailed advantage) based on:</i></p> <ul style="list-style-type: none"> • Laser cutters can cut intricate patterns that cannot be done by hand or any other way • The edges of the fabric that are laser cut do not need to be finished as the laser seals the edges • Complete panels with shaped outer edges as in the peplum can be cut and will not fray • Innovative styling details are possible - opens up further opportunities • The laser cutter can also engrave fabrics – further design possibilities <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>Brief description, very little detail for example:</i> The laser cutter can cut detailed designs which cannot be done by hand.</p> <p><i>A detail advantage with understanding of laser cutting technology for example:</i> The laser cutter can cut detailed designs into many fabrics which cannot be done by hand. This offers greater scope for innovation and creativity for the designer that were not previously possible.</p>				0 1 2
Total			10	

Question 3				
The fashion and textile industry has had a major impact on the environment. Designers and manufacturers are continually looking at more sustainable practices to reduce further impact		AO3	AO4	Mark
(a) (i)	Underline the correct name for the symbol shown below.		✓	1
	<p><i>Answers that indicate the only correct answer should be awarded 1 mark:</i></p> <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>Only acceptable answer:</i> Mobius loop</p>			0
				1
(a) (ii)	Place one tick (✓) in the table below to indicate which practice would help reduce a textile product's carbon footprint.		✓	1
	<p><i>Answers that indicate the only correct answer should be awarded 1 mark:</i></p> <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>Only acceptable answer:</i> Manufacture products close to where they will be sold</p>			0
				1
(b) (i)	Designer, Stella McCartney, uses renewable energy wind power to generate power/electricity for her shops. Name two other examples of renewable energy.		✓	2
	<p><i>Award 1 mark for each example of renewable energy up to a maximum of 2 marks based on:</i></p> <p>Solar, geothermal, hydroelectric, wood/biomass, wave</p> <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>A correct answer</i></p>			0
				1

(b) (ii)	Explain why wind power fits in with Stella McCartney's view on environmental values.		✓	3
<p><i>Answers that indicate an understanding of wind power should be awarded up to 3 marks based on:</i></p> <ul style="list-style-type: none"> • Wind power is renewable and therefore better for the environment • It is a cleaner energy source and therefore less damaging • As she is strongly committed to improving the impact the textile industry has on the environment she can influence others to do the same i.e. use renewable energy – lead by example fits in with her whole ethos and design thinking <p>Guidance to markers</p> <p><i>Incorrect / no answer</i> 0</p> <p><i>Brief description, very little detail for example:</i> It is a renewable source it does not have a detrimental environmental impact. 1</p> <p><i>Some detail with some understanding of wind power and environmental issues for example:</i> As it renewable and is a cleaner energy source it does not have a detrimental impact on the environment. 2</p> <p><i>A more detailed explanation with clear understanding of wind power and environmental issues for example:</i> Stella McCartney's work focuses on lessening the impact on the environment in everything she does. Wind power as a renewable and much cleaner energy source will therefore fit in with her values and beliefs about protecting the environment. 3</p>				

(b) (iii)	Stella McCartney has strong moral and ethical beliefs that influence the fabrics she uses in her collections. Discuss her beliefs and how they impact on her work.		✓	4
<p><i>Answers that indicate an understanding of Stella McCartney's moral and ethical beliefs should be awarded up to 4 marks based on:</i></p> <ul style="list-style-type: none"> • She is a vegan and does not use animal related products in her collections – no fur or animal skins • She supports animal rights issues – no testing products on animals • Suppliers of the wool she uses must prove the welfare of their animals • She uses re-engineered cashmere that is made from waste instead of authentic cashmere wool • She uses fabrics that are sustainable and avoids fabrics that are not from sustainable sources where possible • Processing of fabrics has to be through cleaner / greener processes • Prefers not to use silk because of the impact on the silk moth – the larvae is killed to harvest the silk fibre or moths are born blind because of intensive farming • Uses fabrics that have the least impact on the environment during their life cycle - organic fabrics are preferable • Actively works with manufacturers to develop more sustainable ethical fabrics – fabric for Falabella bag is an example of imitation leather but with low environmental impact - made from recycled polyester as an alternative to leather <p><i>Accept other factually correct points</i></p> <p>Guidance to markers</p> <p><i>Incorrect / no answer</i> 0</p> <p><i>Brief description, very little detail for example:</i> As she is a vegan she does not use real fur in any of her collections. 1</p> <p><i>Some detail with some understanding of Stella McCartney's moral and ethical beliefs for example:</i> As she is an animal rights activist and a lifelong vegan she does not use any animal skins/real fur in any of her collections. 2</p> <p><i>A more detailed explanation with clear understanding of Stella McCartney's moral and ethical beliefs for example:</i> As she is an animal rights activist and a lifelong vegan she does not use any animal skins/real fur in any of her collections. She does however work with manufacturers to develop fabrics that are more ethical that will provide a similar look to real fur but will be cruelty free. 3</p> <p><i>Fully detailed explanation with very clear understanding of Stella McCartney's moral and ethical beliefs for example:</i> As she is an animal rights activist and a lifelong vegan she does not use any animal skins/real fur in any of her collections. She does however work with manufacturers to develop fabrics that are more ethical that will provide a similar look to real fur but will be cruelty free. The fabric used in her famous Falabella bag is imitation leather – developed to avoid the use of real leather. 4</p>				

(b) (iv)	Explain what other designers can learn from Stella McCartney's more ethical and sustainable approach to the fashion industry.		✓	4
<p><i>Answers that indicate an understanding of Stella McCartney's more ethical and sustainable approach should be awarded up to 4 marks based on:</i></p> <ul style="list-style-type: none"> • SM has proved in everything she does that you can achieve high quality fashionable clothing that is fully sustainable and ethically produced – she leads the way in this • You do not have to compromise on styling to achieve this • To make a difference to the environment all interested parties should work together – designer, manufacturer, fabric technicians • Be actively involved in developing alternatives / look for alternatives • Use manufacturers who embrace renewable energy in their factories and use cleaner processing techniques • All aspects of her business model reflect her values – it is possible for a totally green approach to fashion • If all designers followed her business model or at least adopted some of her practices the impact of the textile industry on the environmental would be dramatically reduced <p>Guidance to markers</p> <p><i>Incorrect/no answer</i> 0</p> <p><i>Brief description, very little detail for example:</i> SM has proved that high quality fashion is possible but without the environmental impact. 1</p> <p><i>Some detail with some understanding of Stella McCartney's more ethical and sustainable approach for example:</i> As SM has proved that high quality fashion is possible but without the environmental impact, designers need to work harder at choosing alternative approaches that reduce the environmental impact. 2</p> <p><i>A more detailed explanation with clear understanding of Stella McCartney's more ethical and sustainable approach for example:</i> Her business model is based on sustainability and lessening the environmental impact. She has proved that designers do not have to compromise on style to do this they just need to take a different approach. 3</p> <p><i>Fully detailed explanation with very clear understanding of Stella McCartney's more ethical and sustainable approach for example:</i> Her whole business model is based on sustainability and lessening the environmental impact. She has proved that designers do not have to compromise on style to do this they just need to take a different approach. Many fabrics exist that are more sustainable, many manufacturers share SM's views, other designer should choose these and make more ethical choices. 4</p>				
Total				15

Question 4				
Smart materials change as a response to a change in conditions.		AO3	AO4	Mark
(a) (i)	Study the pictures of embroidery thread below then complete the following sentences by inserting the correct words.		✓	3
	<p><i>Only acceptable answers in this order:</i></p> <ul style="list-style-type: none"> • Colour • Sunlight • Photochromic <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p>Correct answer in the correct order</p>			0 1
(a) (ii)	Describe how summer clothing that reacts to a change in light could be beneficial to young children and their parents.		✓	2
	<p><i>Answers that indicate an understanding of the properties of photochromic fabrics should be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • Photochromic dyes react to a change in light, the more intense the light the greater the change • Intensity of colour could indicate excess exposure to the sunlight potential over exposure/sunburn; acts as a warning for parents • Novelty factor to get children to go outside and play in pleasant weather – clothing changing colour is a novelty to encourage going outside – beneficial to health <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>Brief description, lacks detail for example:</i> A colour change could indicate too much sun.</p> <p><i>More detailed description with understanding for example:</i> An intense colour change could indicate too much exposure to sun and alert parents to act to avoid heat stroke/sunburn.</p>			0 1 2
(a) (iii)	Other than light, name two other conditions that would cause a reaction in a smart material.		✓	2
	<p><i>Award 1 mark for each correct answer based on the only acceptable answers:</i></p> <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <ul style="list-style-type: none"> • Heat • Moisture 			0 1 1

(b)	Explain how clothing made from a tightly woven fabric offers more protection from harmful UV rays than a loosely woven fabric.		✓	3
<p><i>Answers that indicate an understanding of woven sun protective clothing should be awarded up to 3 marks based on:</i></p> <ul style="list-style-type: none"> • Dense fabrics block out harmful UV rays • The closer the weave with no gaps between the yarns is more effective at blocking the UV rays from the sun • UV rays can get through any gaps however small making the fabric less effective at protecting the wearer in intense sunlight • The looser the weave, means more spaces, the less effective it will be in providing protection <p>Guidance to markers</p> <p><i>Incorrect / no answer</i> 0</p> <p><i>Brief description, lacks detail for example:</i> A close weave blocks out the UV rays 1</p> <p><i>More detailed description with understanding for example:</i> A closely woven fabric is denser and will block out UV rays from the sun 2</p> <p>A closely woven fabric is denser and will block out UV rays from the sun giving more protection. Loose weaves have gaps between yarns which let UV rays through. 3</p>				

(c)	Twill and satin are two different types of weave as shown in the diagrams below. Analyse the impact both these weaves have on textile fabrics and their end uses.	✓		10
<p><i>Answers that indicate an understanding of the two types of weave and where answers are supported with <u>logical lines of reasoning</u> should be awarded up to 10 marks based on:</i></p> <ul style="list-style-type: none"> • The way a fabric is woven affects its end use; the weave alters its characteristics • In twill weave a much closer weave is achieved • The nature of the weave makes the fabric much stronger/firmer • A stronger fabric has wider use: heavy duty workwear for example • The diagonal line created by the weave is an attractive distinctive feature – as seen in denim • Twill weave fabrics drape well which extends its usefulness • In satin weave many of the weft yarns lie over the warp yarns; this creates a glossier fabric – a more luxurious look • Satin weave is a weaker weave and is more unstable than other weaves • The yarns lying above the warp yarns can snag easily and care is needed during manufacture and use • Can reduce aesthetic qualities if snagged • Satin weave is often cut on the bias, although more difficult to handle it creates a more luxurious effect <p><i>Credit all examples where twill weave or satin weave fabric would be appropriately used in products with reasoning</i></p> <p>Guidance to markers</p> <p>No answer or no relevant issues described or discussed. 0</p> <p>Simple understanding of woven fabrics/some understanding of one type of weave. Little, if any, understanding of their application in products. Quality of Written Communication is limited, presenting material with limited coherence, many errors of grammar, punctuation and spelling. Little evidence of reasoning. 1-2</p> <p>Some description of woven fabric with more knowledge of one weave type than the other. Little understanding of the application of both types of weave in products. Quality of Written Communication is basic, presenting occasionally appropriate material with some coherence, some errors of grammar, punctuation and spelling. Some evidence of reasoning. 3-4</p> <p>Description and understanding of woven fabric. Some understanding of both types of weave and how this affects use in products; may apply more knowledge of one type of weave over the other. Quality of Written Communication is good, presenting mainly appropriate material in a coherent manner, few errors of grammar, punctuation and spelling. Evidence of reasoning. 5-7</p>				

	<p>Clear and detailed understanding and description of woven fabrics. Clear and detailed understanding of both types of weave and the impact of both a range of products. Quality of Written Communication is excellent, presenting wholly appropriate material in a coherent and logical manner, hardly any errors of grammar, punctuation and spelling. Clear evidence of reasoning.</p>	8-10
		<p>Total 20</p>

Question 5				
London is one of the main fashion capitals of the world.		AO3	AO4	Mark
(a) (i)	Underline two other leading fashion capitals in the list below:		✓	2
	<p><i>Award 1 mark for each correct answer:</i></p> <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>Only acceptable answers:</i></p> <p>Milan</p> <p>Tokyo</p>			0
				1
				1
(a) (ii)	Explain how trendsetters make an impact on the fashion industry.		✓	2
	<p><i>Answers that indicate an understanding of trend setters influence on fashion should be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • Influential people who make a statement with the clothes they wear • Influential people include celebrities, artists, musicians, ordinary people or those who adopt a group identity • Unafraid to statement with the clothes they wear • Trendsetters have a clear sense of style that may be in line with trends or something new/fresh style • Individual styles from trendsetters get adopted by designers and influence future collections • Styling is adopted by others and becomes a trend/mainstream <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>Brief description for example:</i> People who make a statement with their clothing that becomes popular with others</p> <p><i>More detail in the explanation for example:</i> People who are unafraid to make a statement with the clothes they wear, have a sense of style that then becomes adopted by designers/others and becomes a mainstream trend.</p>			0
				1
				2

(b)	Complete the table below by explaining why each style detail would be used on a textile product.		✓	6
<i>Answers that indicate an understanding of the reasons for using each of the style details on a textile product should be awarded up to 2 marks each based on:</i>				
Top stitching				
<ul style="list-style-type: none"> • A stitch with a thicker thread that stands out • Used to emphasise a seam or edge • Used as a design feature often in a contrast colour • Aesthetic detail 				
Gathers				
<ul style="list-style-type: none"> • A soft feature of gentle folds in the fabric that adds detail • Used for shaping an area for fitting purposes on clothing • Used for adding detail on fabric such as a frill • Can help in draping fabric for styling purposes 				
Dart				
<ul style="list-style-type: none"> • A triangular piece of fabric that is pinched out of the fabric for shaping • Gives shape to fit clothes on a body for example bust, hips, waists • A more structured way of shaping for a smoother fit 				
Guidance to markers				
Top stitching				
<i>Incorrect/no answer</i>				0
<i>Brief description but with little understanding:</i>				1
A thicker stitching line that stands out.				
<i>A good description with clear understanding:</i>				2
A thicker stitching line that stands out and emphasises or outlines an area such as on a seam or edge of a collar.				
Gathers				
<i>Incorrect/no answer</i>				0
<i>Brief description but with little understanding:</i>				1
A soft feature of gentle folds in the fabric that adds detail				
<i>A good description with clear understanding:</i>				2
A soft feature of gentle folds in the fabric that adds detail such as a frill				
Dart				
<i>Incorrect/no answer</i>				0
<i>Brief description but with little understanding:</i>				1
A triangular piece of fabric that is pinched out of the fabric for shaping				
<i>A good description with clear understanding:</i>				2
A triangular piece of fabric that is pinched out of the fabric for shaping such as for the bust, hips or waist.				

(c) (i)	Evaluate the importance of quality control when manufacturing clothing in large quantities. Include specific examples of quality control measures in your answer	✓		5
<p><i>Answers that indicate an understanding of the quality control in manufacturing and show <u>evidence of appraisal</u> should be awarded up to 5 marks based on:</i></p> <ul style="list-style-type: none"> • All products are checked for quality as on on-going process during manufacturing • On-going checks allow for errors to be corrected before they make an impact • QC ensures all products meet the required standard • QC ensures all products are of an equal standard • Quality is checked at regular intervals throughout manufacture • When manufacturing in large quantities standards need to be maintained, regular QC points facilitate this <p>Guidance to markers</p> <p><i>Incorrect/no answer</i> 0</p> <p>Brief description of quality control but little detail in the explanation. Little reference manufacturing in large quantities. Little evidence of appraisal or judgement. 1-2</p> <p>More detailed description of quality control with some explanation and detail related to manufacturing in larger quantities. Some evidence of appraisal and/or making a judgement. 3-4</p> <p>Clear and detailed description of the importance of quality control with detailed explanation related to its importance when manufacturing in larger quantities. Clear evidence of appraisal and/or judgements. 5</p>				

(c) (ii)	Evaluate the advantages of one-off production to the customer.	✓		5
<p><i>Answers that indicate an understanding of the advantages of one-off production to the customer and show <u>evidence of appraisal</u> should be awarded up to 5 marks based on:</i></p> <ul style="list-style-type: none"> • One-off production made specifically for an individual • Customer has control or input into the design • Product is made to fit the customer • Customer can be assured of high quality and attention to detail • Customer has an individual unique product • Quite often only the best fabrics and components are used • Made by skilled workers so quality of manufacture will be high <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p>Brief description of one-off production but little reference to the benefits to the customer. Little or no evidence of appraisal or judgement.</p> <p>More detailed description of one-off production; some reference to the benefits to the customer. Some evidence of appraisal and/or judgement.</p> <p>Clear and detailed description of one-off production – clear understanding. Detailed reference to the the benefits to the customer. Clear evidence of appraisal and judgements.</p>				<p style="text-align: right;">0</p> <p style="text-align: right;">1-2</p> <p style="text-align: right;">3-4</p> <p style="text-align: right;">5</p>
			Total	20

Question 6				
Study the picture of the character raincoat which will be worn by young children.		AO3	AO4	Mark
(a)	Explain why snap fasters have been used to fasten the raincoat.		✓	2
	<p><i>Answers that indicate an understanding of using snap fasteners when used on children's clothing should be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • Fastener that children can cope with • Gives them independence to fasten the coat themselves • Snap fasteners are fairly safe with no sharp edges <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>Brief description but with little understanding:</i> Snap fasteners are easy for children to use.</p> <p><i>A good description with clear understanding:</i> Snap fasteners are easy for children to use so that they can do the coat up independently.</p>			0 1 2
(b) (i)	The raincoat has been made from proofed polyester. Explain what the term 'proofed' means.		✓	2
	<p><i>Answers that indicate an understanding of the term proofing can be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • Proofing is done by treating fabric with a silicone or chemical finish • This finish makes the fabric waterproof • Water proofing will not allow moisture to penetrate through the fabric – it repels water <p>Guidance to markers</p> <p><i>Incorrect / no answer</i></p> <p><i>Brief description but with little understanding:</i> This term means the fabric is waterproof.</p> <p><i>A good description with clear understanding:</i> Proofing means the fabric is coated so that it is fully water proof and will not allow water to penetrate through it.</p>			0 1 2
(b) (ii)	Give two reasons for using polyester for the raincoat.		✓	2
	<p><i>Answers that indicate an understanding of the properties of polyester that make it suitable for the raincoat should be awarded up to 1 mark for each correct reason based on:</i></p> <ul style="list-style-type: none"> • Polyester is quite lightweight – ideal for a children's coat • Polyester is strong so that it will withstand wear and tear <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>A reason with some understanding:</i> Polyester is quite lightweight making it ideal for a child raincoat</p>			0 1

(b) (iii)	The raincoat is fully lined. Describe two advantages to the child when wearing a fully lined raincoat.		✓	4
<p><i>Answers that indicate an understanding of lining the raincoat and the advantages to the wearer/child can be awarded up to 2 marks for each fully explained reason:</i></p> <ul style="list-style-type: none"> • The lining covers all internal seams • The seams could irritate the wearer if not covered • A lining makes the raincoat easier to wear/take on or off • A lining adds an additional layer which keeps the wearer warmer <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>A basic description of an advantage for example:</i> A lining covers all internal seams</p> <p><i>A more detailed advantage with understanding for example:</i> A lining covers all internal seams so that they would not irritate the wearer</p>				<p>0</p> <p>1</p> <p>2</p>
(b) (iv)	The visor on the hood has been reinforced in order to maintain the shape. Describe a process of doing this.		✓	2
<p><i>Answers that indicate an understanding of reinforcing the fabric for the visor should be awarded up to 2 marks based on:</i></p> <ul style="list-style-type: none"> • Interfacing should be applied to one or both sides of the two fabric pieces for the visor • This could be ironed on or stitched in place • Heavier weight interfacing would give a more defined shape • A stiffener piece (thin acrylic sheet) could also be sandwiched between the fabric pieces to reinforce the shape <p>Guidance to markers</p> <p><i>Incorrect/no answer</i></p> <p><i>A basic level of understanding for example:</i> Use iron on interfacing on the fabric pieces.</p> <p><i>A detailed response with some understanding for example:</i> Use a heavier weight interfacing on both sides of the fabric to support the shape.</p>				<p>0</p> <p>1</p> <p>2</p>

(c)	The front of the raincoat has two patch pockets. Using notes and sketches explain how you would construct and attach the plain patch pocket.		✓	6
<p><i>Answers that indicate an understanding of constructing and attaching a patch pocket should be awarded up to 6 marks based on</i></p> <ol style="list-style-type: none"> 1. The top edge of the pocket should be neatened – e.g. overlapped (The top edge could also be double turned over) 2. The turning should be stitched in place – straight stitch 3. The curved lower edges of the pocket should be snipped to allow them to lie flat when the seam allowance is turned up into the pocket 4. The seam allowance of the remaining 3 sides of the pockets should be turned in and pressed in place 5. The pocket should be pinned in place on the raincoat 6. The pocket should be stitched in place close to the out edge of the pocket 7. The stitching on the top corners of the pockets should be reinforced <p>Guidance to markers</p> <p><i>Incorrect/no answer</i> 0</p> <p><i>Brief description/notes, one or two diagrams with little detail of the named process. Limited knowledge of constructing the pocket.</i> 1-2</p> <p><i>More detailed description, with some explanation of the named process included alongside basic sketches, some knowledge of constructing the pocket and attaching it in place. Some logic to sequence.</i> 3-4</p> <p><i>Detailed descriptions and explanation, including clear understanding of constructing a patch pocket and attaching it in place. Clear annotated sketches. Logical sequence.</i> 5-6</p> <p>Answers will vary depending on the sketches/method used. Assess the work as a whole, look for the key points listed above, and apply marks for notes and sketches based on above mark descriptors.</p>				

(d)	The 'ears' on the hood of the raincoat shown below, have been constructed so that no raw edges are visible. Using annotated sketches describe how you would construct one ear.		✓	7
<p><i>Answers that indicate an understanding of constructing the ear pieces should be awarded up to 7 marks based on:</i></p> <ol style="list-style-type: none"> 1. Cut out a pair of 'ear' pieces 2. Lay the two pieces together with right sides facing each other 3. Pin the pieces together and stitch in place – straight stitch 4. QC – Keep the same seam allowance all around the 'ear' 5. Seam allowance should be 1.5cm 6. Make 'v' shape snips into the seam allowance particularly around the most curved end 7. QC – The snips in the seam allowance allow the pieces to lie flat and maintain a smooth curved shape 8. Turn it the right way around and press is flat <ul style="list-style-type: none"> • <i>The smaller short end should not be stitched</i> <p>Guidance to markers</p> <p><i>Incorrect/no answer</i> 0</p> <p><i>Brief description/notes, one or two diagrams with little detail of an appropriate process. Limited knowledge of constructing the ear.</i> 1-2</p> <p><i>More detailed description, with some explanation of an appropriate process alongside basic sketches, some knowledge of constructing the ear.</i> 3-4</p> <p><i>Detailed descriptions and explanation demonstrating a clear understanding of an appropriate process for constructing the ear. Clear annotated sketches with detail. Logical sequence.</i> 5-6</p> <p><i>Full and detailed description clearly demonstrating good knowledge and understanding of constructing the ear. Clear and detailed sketches. Logical sequence.</i> 7</p> <p>Answers will vary depending on the sketches/method used. Assess the work as a whole, look for the key points listed above, and apply marks for notes and sketches based on above mark descriptors.</p>				
Total				25