

# AS DESIGN AND TECHNOLOGY (FASHION AND TEXTILES) FOR TEACHING FROM 2017

2019 EXAMINATION

UNIT 1 OER MATERIAL (ANNOTATED)

*The interactive version of this exemplar is available on  
our Online Exam Review website ([oer.wjec.co.uk](http://oer.wjec.co.uk)).*

## Printing with/without comments and annotations

The exemplar in this booklet includes comments/annotations from the Principal Examiner.

If you are printing this exemplar, the printed version will by default include the Principal Examiner's comments/annotations:

✓ of all of the disadvantages. What do you think?  
Are you going to get a tattoo or has this article  
~~been~~ changed your mind?

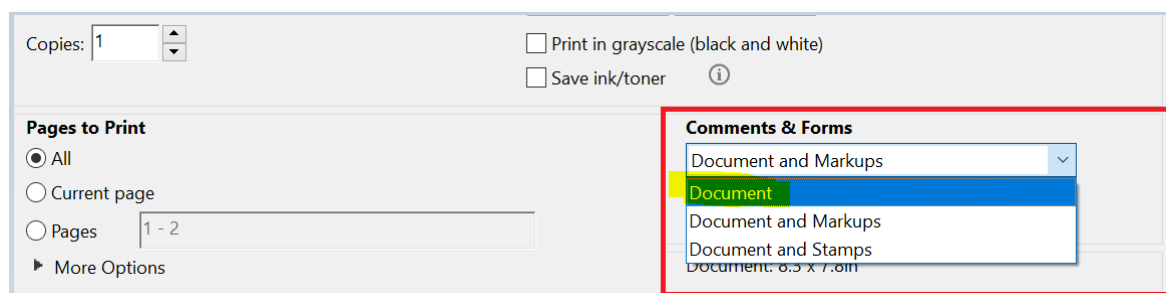
Secure awareness of intended audience.  
Written with an easy, confident style.  
Shows clear shape and structure.  
Some errors but a decent level of control.

8+5

13

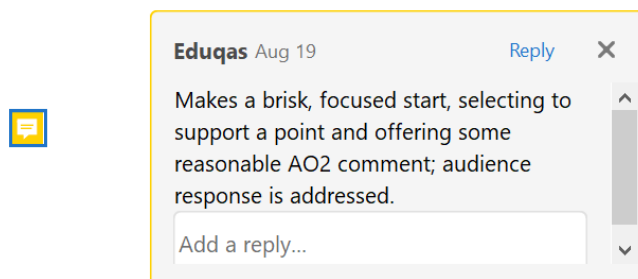
If you would like to print a 'clean' copy of the exemplar, this can be done by adjusting the print settings as follows:

After selecting *File > Print*, you will need to change the option in the dropdown menu under 'Comments and Forms' to 'Document'. This will then print the document without the Principal Examiners' comments.



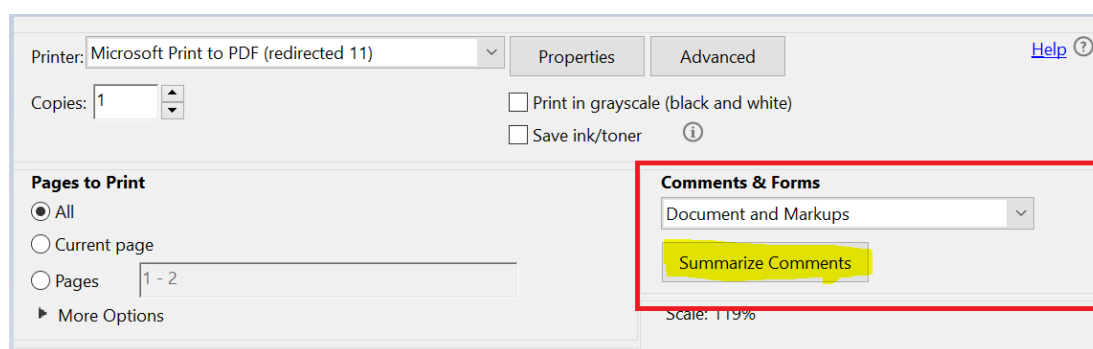
## Printing comments with sticky notes

If you are printing the exemplar in this document, the Principal Examiner comments contained in the sticky notes will not automatically be printed.



If you would like your printed copy to include the Principal Examiner comments you will need to adjust the printer settings as follows:

After selecting *File > Print*, you will need to click 'Summarize Comments' in the 'Comments & Forms' area of the print settings.



The Principal Examiner comments will then be printed at the end of each page of exemplar:

## Summary of Comments

### Page: 1

Number: 1	Author: Eduqas	Subject: Sticky Note	Date: 19/08/2019 11:33:48
Makes a brisk, focused start, selecting to support a point and offering some reasonable AO2 comment; audience response is addressed.			
Number: 2	Author: Eduqas	Subject: Sticky Note	Date: 19/08/2019 11:33:48
The approach here is rather formulaic, but the focus is clear and each paragraph hits both assessment objectives.			
Number: 3	Author: Eduqas	Subject: Sticky Note	Date: 19/08/2019 11:33:48
Perhaps, but this point isn't fully explained.			

3. Bamboo textile fibre is extracted from the bamboo plant which is shown below. It is now widely used in the fashion and textiles industry.



- (a) An important property of bamboo is absorbency. Using notes and a simple sketch, explain how the bamboo fibre is able to absorb moisture. [3]

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- (b) Discuss the advantages of using bamboo fibre. Give examples of its uses in your answer. [5]

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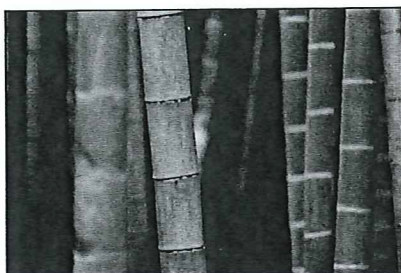
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	Question 3	AO3	AO4	Mark
	Bamboo textile fibre is extracted from the bamboo plant which is shown below. It is now widely used in the fashion and textile industry.			
(a)	An important property of bamboo is absorbency. Using notes and a simple sketch, explain how the bamboo fibre is able to absorb moisture.		/	3
	<p>Answers that demonstrate an understanding of why the bamboo fibre is able to absorb water should be awarded up to 3 marks based on:</p> <p>Bamboo fibre cross section – sketch which resembles this in some way will be accepted.</p> <p>A cross-section of bamboo fibre reveals various micro-holes, allowing bamboo cloth to have superior absorption. This allows bamboo cloth to absorb and evaporate human sweat rapidly. Bamboo fibre is four times more absorbent than cotton.</p>  <p>Accept any other appropriate response.</p> <p><b>Guidance to markers</b></p> <p>Full marks should <b>not</b> be awarded if there is no simple sketch.</p> <p>No answer or an incorrect answer <b>0 marks</b></p> <p>A basic response with limited understanding of how bamboo fibre is able to absorb moisture. <b>1 mark</b></p> <p>A developed response with a simple sketch which shows good understanding of how the bamboo fibre is able to absorb moisture. <b>2 marks</b></p> <p>A detailed response with a sketch which shows very good understanding of how the bamboo fibre is able to absorb moisture. <b>3 marks</b></p>			

	Question 3	AO3	AO4	Mark
(b)	Discuss the advantages of using bamboo fibre. Give examples of its uses in your answer.		/	5
	<p>Answers that demonstrate an understanding of bamboo fibre and it's uses should be awarded up to 5 marks based on:</p> <p>Bamboo fibre is used for a range of clothing, such as shirts, dresses, socks and trousers and because of its antimicrobial properties, is ideal for active wear. Bamboo is often blended with cotton to add structure to garments. Bamboo is also used for sheets and pillowcases.</p> <p>Naturally soft; Bamboo is softer than cotton, and it has a natural sheen like silk or cashmere. Bamboo drapes like silk or satin yet is less expensive and more durable. Allergy reduced; Bamboo's organic and naturally smooth fibre properties are non-irritating to the skin, making it ideal for people with skin sensitivities or other allergies and dermatitis. Thermal regulating; ensuring that you are warm in the winter and cool in the summer. Bamboo clothing's excellent wicking properties also make it ideal for warm summer days.-Absorbs moisture; A cross-section of bamboo fiber reveals various micro-holes, allowing bamboo cloth to have superior absorption. This allows bamboo cloth to absorb and evaporate human sweat rapidly. Bamboo fibre is four times more absorbent than cotton. Breathable; The porous qualities of bamboo fibre account for its breathability; clothing made of bamboo resists clinging during hot weather or exercise. Anti-bacterial; Bamboo fabric contains a naturally occurring anti-microbial agent, kun, that prevents bacteria from cultivating on it, which means it helps keep you odor free. UV protection; Bamboo naturally provides added protection against the sun's harmful UV rays.</p> <p>Note: Marks for absorbency can be awarded but the answers must be dicussed and exemplified.</p> <p>Accept any other appropriate responses.</p> <p>Guidance to markers</p> <p>No answer or an incorrect answer <b>0 marks</b></p> <p>Basic understanding of bamboo fibre. <b>1-2 marks</b></p> <p>A few suggestions on the uses of bamboo and shows a basic understanding of bamboo fibre. <b>3-4 marks</b></p> <p>Clear and relevant understanding of bamboo fibre and its uses. <b>5 marks</b></p>			

3. Bamboo textile fibre is extracted from the bamboo plant which is shown below. It is now widely used in the fashion and textiles industry.



- (a) An important property of bamboo is absorbency. Using notes and a simple sketch, explain how the bamboo fibre is able to absorb moisture. [3]



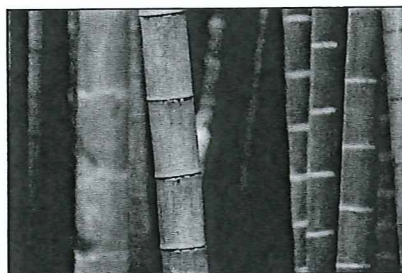
Bamboo fibres are absorbent because it is permeable. When its worn, water is allowed in and can spread. The fibres then swell, which holds the water. As all the fibres are close together, the water can transfer to the other fibres.

- (b) Discuss the advantages of using bamboo fibre. Give examples of its uses in your answer. [5]



Bamboo fibres are natural and come from a renewable source. This means that it can decompose later on. It is biodegradable. It can be used for tablecloths, sportswear, jackets, coats, bedding, and underlays in dresses.

3. Bamboo textile fibre is extracted from the bamboo plant which is shown below. It is now widely used in the fashion and textiles industry.



- (a) An important property of bamboo is absorbency. Using notes and a simple sketch, explain how the bamboo fibre is able to absorb moisture. [3]



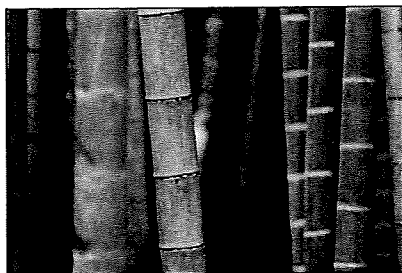
Bamboo is able to absorb moisture as it has holes/cracks that open up when moisture is present. This then enters, and the fibre expands.

- (b) Discuss the advantages of using bamboo fibre. Give examples of its uses in your answer. [5]

Bamboo is a natural fibre that is soft like cotton, bamboo can be easily stretched, is cool in the summer and keeps you warm in the winter. Unlike cotton, bamboo does not use pesticides to grow, it is grown naturally, which makes it environmentally friendly.



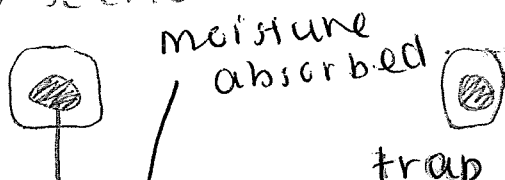
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- (a) An important property of bamboo is absorbency. Using notes and a simple sketch, explain how the bamboo fibre is able to absorb moisture. [3]

CROSS SECTION

FIBRE SURFACE



Bamboo absorbs moisture well because of its expandable / mature centre. <sup>so</sup> It has a less smooth surface / hairy surface in order to absorb / capture water.

- (b) Discuss the advantages of using bamboo fibre. Give examples of its uses in your answer. [5]

Bamboo is a strong fibre that can be blended with other fibres thus making fabrics more sustainable. In manufacturing it doesn't use pesticides and it originates naturally from a plant. It is also biodegradable. It is water resistant and durable. It is and sunlight resistant so it would be good in humid / warm weather conditions. It will keep the user cool and dry.

4. Fibres are blended and mixed together to create new fabrics which have different properties. The socks shown below contain four different fibres.



Fibre content:

39% Viscose  
35% Polyester  
23% Nylon  
3% Elastane

Analyse **each** of the fibres shown above in relation to the properties that are required for a pair of socks. [8]

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	Question 4	AO3	AO4	Mark
	Fibres are blended and mixed together to create new fabrics which have different properties. The socks shown below contain four different fibres.			
	Analyse <b>each</b> of the fibres shown above in relation to the properties that are required for a pair of socks.	/		8
	<p>Answers that demonstrate an understanding of each fibre and its suitability should be awarded up to 8 marks based on:</p> <p><b>Viscose</b> – moisture absorbent, breathable, soft against the skin, comfortable to wear and easily dyed, does not build up static electricity and does not pill, blends easily with other fibres.</p> <p><b>Polyester</b> – fibres are extremely strong and durable, resistant to most chemicals, stretching and shrinking, hydrophobic in nature and quick drying, easily washed and dried.</p> <p><b>Nylon</b> – warm to wear, dries slowly, soft handle, can shrink, durable.</p> <p><b>Elastane</b> - always used in a blend with other fibres. Small percentage is used. It is used to make sportswear, body-hugging clothes. Is durable, crease resistant, stretchy (more comfortable) and is easy care for.</p> <p>Each fibre must be analysed.</p> <p><b>Guidance to markers</b></p> <p>Little or no understanding. <b>0 marks</b></p> <p>Basic understanding of the properties of each of the fibres shown. <b>1-2 marks</b></p> <p>Satisfactory understanding of the suitability of each of the fibres shown in relation to the properties that are required for a pair of socks. <b>3-4 marks</b></p> <p>Good understanding of the suitability of each of the fibres shown in relation to the properties that are required for a pair of socks. <b>5-6 marks</b></p> <p>Detailed understanding of the suitability of each of the fibres shown in relation to the properties that are required for a pair of socks. <b>7-8 marks</b></p>			

4. Fibres are blended and mixed together to create new fabrics which have different properties. The socks shown below contain four different fibres.



Fibre content:

39% Viscose  
35% Polyester  
23% Nylon  
3% Elastane

Analyse **each** of the fibres shown above in relation to the properties that are required for a pair of socks. [8]

Elastane: Elastane is stretchy and allows movement which socks have to have.

Polyester: It is thin fibres that is absorbant which would reduce sweat building up, allows it to evaporate.

Nylon: Nylon would be tightly woven to ensure insulation. This would protect feet from wind.

Viscose: It is synthetic and similar to nylon. It would trap heat so feet are kept warm. It is strong so the fabric won't tear easily.

Viscose would make them soft as it is not plastic or rigid. This would provide comfort for the wearer.



4. Fibres are blended and mixed together to create new fabrics which have different properties. The socks shown below contain four different fibres.



Fibre content:

39% Viscose  
35% Polyester  
23% Nylon  
3% Elastane

Analyse **each** of the fibres shown above in relation to the properties that are required for a pair of socks. [8]



The diagram above mentions that the Socks are ~~Ultra Soft~~ "Ultra Soft". Polyester, ~~polyester~~, Viscose and nylon are all soft fibres that would make the Socks "Ultra Soft". Socks must be able to stretch over the ~~feet~~ feet, and elastane is a very stretchy fibre as it is ~~used~~ used in swimwear and underwear.

One disadvantage to the properties of these fibres is that ~~only elastane is the absorbent fibre~~, but elastane is only 3% of these socks which ~~which does not have a full impact on the absorbency of these socks~~ none of these fibres are absorbent which would mean that the consumer would ~~not~~ have very wet feet if a drink is spilled.

4. Fibres are blended and mixed together to create new fabrics which have different properties. The socks shown below contain four different fibres.



Fibre content:

crease resist- 39% Viscose - absorbent, soft  
35% Polyester - insulation, strong  
23% Nylon - durable, light.  
3% Elastane - stretch

Analyse **each** of the fibres shown above in relation to the properties that are required for a pair of socks. [8]

Elastane gives a ~~might~~ stretch to the socks, so it is easy to put on and comfortable to move around in. It is the smallest percentage because <sup>only a little is</sup> ~~needed~~ <sup>needed</sup> and stretch is <sup>a lot of</sup> ~~provided~~. It is always mixed with other fibres to balance out the fabric. Viscose is the highest because it is cheap and used in a lot of fashion garments. It is absorbent so it will absorb sweat from the feet but also try to keep the feet as dry as possible by wicking away moisture. It also has a soft drape so it feels nice next to the skin. Polyester is one of the strongest fibres but is not absorbent so the viscose balances it out. It has good crease resistance. The socks don't need to be ironed and won't damage from being folded <sup>too much</sup>. Nylon is a durable fabric so the socks will withstand wear + tear for a long time. It is lightweight so it doesn't feel thick and heavy on the feet. It is also slightly water repellent ~~hydrophobic~~ so the feet won't get wet and are protected and windproof.

5. Julien Macdonald is a Welsh fashion designer.



Describe the work of Julien Macdonald including his style and any outside influences that have affected his style of design. Give examples from a variety of his fashion collections in your answer. [8]

*Marks will be awarded for the content of the answer and the quality of written communication.*

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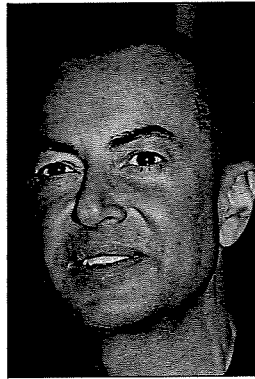
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	Question 5	AO3	AO4	Mark
	Julien Macdonald is a Welsh fashion designer.			
	Describe the work of Julien Macdonald including his style and any outside influences that have affected his style of design. Give examples from a variety of his fashion collections in your answer.  <i>Marks will be awarded for the content of the answer and the quality of written communication.</i>		/	8
	<p>Answers that demonstrate an understanding of the work of Julien Macdonald and are able to give examples of collections should be awarded up to 8 marks based on:</p> <p><b>Style of Macdonalds work:</b> Julien Macdonald is best known for his elegant evening gowns. His style of gown has altered through the years and has included sequins, fringing, asymmetrical necklines, colourful prints and leg splits. He has most recently been known for his barely there gowns inspired by his love of dancing.</p> <p><b>Outside influences:</b> Julien's first encounter with fabric was in his home town of Merthyr where he was taught knitting by his mother and this was his first encounter in design and the study of textiles, he would knit his family jumpers and rework his school uniform. Julien Macdonald loves to dance and trained as a tap dancer, this is reflected in his work and he appeared on Strictly Come Dancing himself as a contestant in 2013.</p> <p><b>Examples of fashion collections:</b> SS2017 showcased his usual love for sequins, intricate beading and cutaway designs which appeared to have ball-room influences. High high dresses decorated with beaded fringing would not look out of place on the dance floor. Julien Macdonald attracted much criticism for his extensive use of fur in his collections. In February 2007, Macdonald was again criticised for the prominent use of fur in his autumn collection.</p> <p>Accept any other appropriate responses</p>			

	Question 5	AO3	AO4	Mark
	<p><b>Guidance to markers</b></p> <p>Answers must describe the designer's style and the elements that have influenced his design thinking.</p> <p>All parts of the question must be answered for full marks.</p> <p>No answer or incorrect, no evidence of understanding. <b>0 marks</b></p> <p><b>Level 1 1-2 marks</b></p> <ul style="list-style-type: none"> <li>• Candidate has a simplistic knowledge of the issues associated with the question.</li> <li>• Limited use of terminology and technical language.</li> <li>• The candidate has limited knowledge in relation to the designer.</li> <li>• The candidate has expressed basic ideas clearly, if not always fluently. Answers may deviate from the question or not be relevant.</li> <li>• Grammar, punctuation and spelling may be weak impacting on effective communication.</li> </ul> <p><b>Level 2 3-4 marks</b></p> <ul style="list-style-type: none"> <li>• The candidate has a basic understanding of the issues associated with the question.</li> <li>• Satisfactory use of terminology and technical language.</li> <li>• The candidate has some general knowledge of the designer and his work.</li> <li>• The candidate has expressed straightforward ideas clearly, if not always fluently.</li> <li>• Answers may deviate from the question or be weakly presented.</li> <li>• There may be some errors of grammar, punctuation and spelling but is still able to communicate the issues.</li> </ul> <p><b>Level 3 5-6 marks</b></p> <ul style="list-style-type: none"> <li>• The candidate demonstrates a clear understanding of the issues associated with the question.</li> <li>• Good use of terminology and technical language.</li> <li>• The candidate has demonstrated knowledge of the designer and his work.</li> <li>• The candidate has express moderately complex ideas clearly and fluently, through well linked sentences and paragraphs. Answers are generally relevant and structured.</li> <li>• There may be occasional errors of grammar, punctuation and spelling.</li> </ul> <p><b>Level 4 7-8 marks</b></p> <ul style="list-style-type: none"> <li>• The candidate demonstrates a specific ability to analyse the question, takes into account a wide range of factors and has a clear understanding of the designer and his work.</li> <li>• Very good use of terminology and technical language.</li> <li>• The candidate has developed a detailed knowledge of designer and his work.</li> <li>• The candidate has express complex ideas extremely fluently. Sentences and paragraphs will follow on from each other smoothly and logically. Answers are consistently relevant and structured.</li> <li>• There will be few, if any, errors of grammar, punctuation and spelling.</li> </ul>			

5. Julien Macdonald is a Welsh fashion designer.



Describe the work of Julien Macdonald including his style and any outside influences that have affected his style of design. Give examples from a variety of his fashion collections in your answer. [8]



Marks will be awarded for the content of the answer and the quality of written communication.

Julien Macdonald's inspiration is his mother, who was a former swimwear model. He believes that creativity gives him a chance to travel, research, and learn. His style is tightly fitted, sheer, geometric dresses which show off curves. Most of his designs are aimed at women. For example, he had partnered with Debenhams to produce many cut-out, slim dresses. He also designed for 'strictly come dancing' which features many of his vibrant, bold, and unusual designs. Many celebrities have worn his label, including Beyoncé. He surrounds himself with positivity and tries to translate it into his work. His work includes deep necklines and revealing patches. His work is mostly modern.

5. Julien Macdonald is a Welsh fashion designer.



Describe the work of Julien Macdonald including his style and any outside influences that have affected his style of design. Give examples from a variety of his fashion collections in your answer. [8]

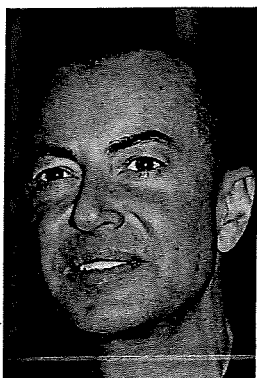
Marks will be awarded for the content of the answer and the quality of written communication.

Julien Macdonald is a Welsh fashion designer who ~~has~~ studied fashion knitwear. He was first introduced to knitting when he was younger, his mother had taught him. He is a very well known fashion designer and has ~~has~~ received an OBE. His talent ~~has~~ caught the attention of Karl Lagerberg and Macdonald was quickly working for him and Givenchy as head of fashion knitwear. His "Julien Macdonald's collection" is sold in Debenhams. ~~He is~~ He is known for using fur in his clothing and has received a lot of controversy, but now does not.

\*how to knit

5. Julien Macdonald is a Welsh fashion designer.

\* This collection has a lot of jackets with a range of colours ~~again~~ like his dresses, but is more usable and accessible to the public. He's designed different blazer types with <sup>colours</sup> and patterns including a houndstooth design and a neon yellow jacket.



It is still very unique and trendy but more wearable than his bespoke dresses.

Describe the work of Julien Macdonald including his style and any outside influences that have affected his style of design. Give examples from a variety of his fashion collections in your answer. [8]

Marks will be awarded for the content of the answer and the quality of written communication.

Julien Macdonald creates a lot of high occasion, evening dresses for celebrities. Macdonald's dresses ~~use~~ <sup>use a</sup> range of colours from bright red, ~~to~~ <sup>to electric blue to</sup> champagne. Additionally, all of his dresses have interesting cut outs in regard to neckline, skirtline/length and body cut outs. He also uses a lot of embellishment like sequins, rhinestones and fringes. Thus all of his dresses are very unique from one another ~~or~~ because they serve the purpose of being bespoke, one off occasion dresses <sup>for a</sup> eg. red carpet event. They are desirable and eye-catching to the client and audience as they are so unique. Early on in his career, he used fur and was criticised for it. He <sup>as it is un</sup> ethical. He also worked for Chanel when he finished his degree and was appointed the head of women's knitwear by Karl Lagerfeld. Another collection ~~of~~ he has is the star range at Debenhams.