

## EDUQUAS Design Technology: Fashion Exam – Daily Revision Topics

	16 <sup>th</sup> March 2020	17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup>	20 <sup>th</sup>	21 <sup>st</sup>	22 <sup>nd</sup>
Week 1	What is market pull and technology push? Give an example of a product which has been developed because of market pull and technology push.	What are the 4 stages of a Product Lifecycle?	What is design for maintenance and design for disassembly?	What is planned obsolescence? Give examples of products which have this in built.	Investigate how products must be designed to consider the elderly and people with physical disabilities.	What does sustainability mean?	Make a list of 3 advantages and 3 disadvantages of using both CAD and CAM.
	23 <sup>rd</sup> March 2020	24 <sup>th</sup>	25 <sup>th</sup>	26 <sup>th</sup>	27 <sup>th</sup>	28 <sup>th</sup>	29 <sup>th</sup>
Week 2	Find out what the following pieces of equipment are and what they are used for: CNC embroidery machine, vinyl cutter, CNC router, laser cutter, 3D printer.	What are the 6 R's of sustainability?	Produce a product lifecycle analysis on an iPhone.	What is Fair Trade?	What is a carbon footprint? What is an ecological footprint?	What is a Smart material? What is a modern material? What is a technical material?	Research the following materials: Electroluminescent film or wire (LCD), Quantum Tunneling Composite (QTC) and Polymorph.
	30 <sup>th</sup> March 2020	31 <sup>st</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>
Week 3	Research the following materials: Photochromic, Thermochromic, microencapsulation, biometrics.	Research the following: Carbon fibre, Kevlar, GRP, Micro fibres, Nomex, Rhovyl and geotextiles.	Draw the symbols for the following electronic components: LED, Cell battery, bulb, switch.	What is feedback within an electronic system?	What is the difference between a microcontroller and a microprocessor?	Work out the mechanical advantage: Load 1000N Effort: 500N	Research what a pulley system is. What products use a pulley system?
	6 <sup>th</sup> April 2020	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Week 4	Research a gear system. What products use a gear system?	Research first, second and third class levers. Give examples of products which use each.	Research a rack and pinion system. Give an example of a product which uses this system.	Research what a CAM is. How does the shape of the CAM effect the movement it produces?	Why would paper or card be laminated?	What does GSM mean in terms of paper?	How is microns used to measure the thickness of card?
	13 <sup>th</sup> April 2020	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>	17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup>
Week 5	Name 3 types of paper and board. Give an example of what they could be used for and why.	Give an example of a hard wood, soft wood and a manufactured board.	What is the difference between hard and soft wood?	What finishes could be applied to timber to give it an aesthetic appeal or protect it?	What does 'vaneer' mean? Why would a piece of wood have a vaneer applied?	What does ferrous and non ferrous mean? Give an example of each.	What can be applied to a metal to protect it or improve its aesthetic appeal?
	20 <sup>th</sup> April 2020	21 <sup>st</sup>	22 <sup>nd</sup>	23 <sup>rd</sup>	24 <sup>th</sup>	25 <sup>th</sup>	26 <sup>th</sup>

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Week 6	What is the difference between a thermosetting and thermoforming polymer? Give an example of each.	Give an example of a product that would be made from PVC, polypropylene, epoxy resin and polyester resin. Why has that material been chosen for that product?	What are the advantages and disadvantages of a plain, twill, satin and pile weave? What products would use these construction types?	What are advantages and disadvantages for a weft and warp knit? What products would use these construction types?	What would a bonded or non woven fabric construction be used for? What are their good and bad points?	Where do the following fibres come from: wool, silk, cotton, linen, polyester, nylon, tadel. Give examples of products which would use these fibres. Why would these fibres be used?	What is applique? How is it produced?
	27 <sup>th</sup> April 2020	28 <sup>th</sup>	29 <sup>th</sup>	30 <sup>th</sup>	1 <sup>st</sup> May 2020	2 <sup>nd</sup> May	3 <sup>rd</sup> May
Week 7	Why would a fibre be blended? Why would a fibre be mixed?	What is the difference between a staple and a continuous fibre?	What is goretex? What is permatex? Give examples of products which would use these materials.	What is quilting? Why might it be used on a product?	Why would a lay plan be used when making a product?	What do the following scales of production mean: One off, batch production, mass production? Give an example of a product which would be made using these production methods.	Draw a diagram to show the following production types: line production, progressive bundle system,
	4 <sup>th</sup> May	5 <sup>th</sup> May	6 <sup>th</sup> May	7 <sup>th</sup> May	8 <sup>th</sup> May	9 <sup>th</sup> May	10 <sup>th</sup> May
Week 8	Write down a definition and find a picture for the following neatening methods: overlocking, binding, zig zag stitch, lining and rolled hem.	Investigate how CAD/CAM is used for cutting templates.	What is a seam allowance/tolerance? Why is it important?	Investigate the following dyeing techniques: piece, dip, random, tie dye, batik.	Investigate the following printing techniques: silk screen, roller, discharge, block, burn out, stencilling, marbling and air brushing.	Investigate the following transfer techniques: image-marker, ink jet transfer.	Investigate the following embroidery techniques: hand embroidery, machine embroidery.
	11 <sup>th</sup> May	12 <sup>th</sup> May	13 <sup>th</sup> May	14 <sup>th</sup> May	15 <sup>th</sup> May	16 <sup>th</sup> May	17 <sup>th</sup> May
Week 9	Revise Week 1 notes.	Revise Week 2 notes.	Revise Week 3 notes.	Revise Week 4 notes.	Revise Week 5 notes.	Revise Week 6 notes.	Revise Week 7 notes.
	18 <sup>th</sup> May	19 <sup>th</sup> May	20 <sup>th</sup> May	21 <sup>st</sup> May	22 <sup>nd</sup> May		
Week 10	Revise Week 8 notes.	Last minute revision. Self-quiz.			<b>EXAM DAY!</b>		

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