
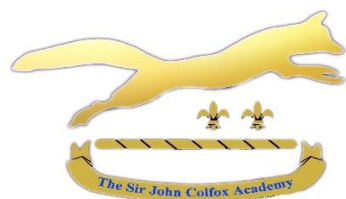


Exam Board	Recommended revision guide	Support available in school
<p style="text-align: center;">Pearson Edexcel</p>		<p style="text-align: center;">C101 every lunchtime</p>



Design and Technology - Textiles

Revision Schedule 2025 - 26

Useful online resources	Exam
<p>BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zb6h92p</p> <p>Past paper questions: https://revisionworld.com/gcse-revision/design-technology/gcse-design-and-technology-past-papers-0/edexcel-gcse-design-and-technology-past-papers</p> <p>Tutor2U Revision Blast Videos: https://www.youtube.com/watch?v=XY7jOiOAaX0&list=PLS-TIpNmailC8NBd_cTfCxN7X_hr7rw02 – Use the drop down menu to the left of the video to choose specific revision topics, for example textiles, timbers, mechanisms etc.</p> <p>https://senecalearning.com/en-GB/ - Seneca revision</p>	<p style="text-align: center;">Wednesday 10th June 2026 - Afternoon</p>

September

Week beginning...	Topic	Content to revise	Complete (tick)	Knowledge test score	Weeks left
Monday 8th	1.1 The impact of new and emerging technology	Industry (1.11), Enterprise (1.12), Sustainability (1.13), People (1.14), Culture (1.15), Society (1.16), Production techniques (1.17 & 1.18).			32
Monday 15th	1.2 Evaluation of New and Emerging Technology	<ul style="list-style-type: none"> • Critical evaluation of new and emerging technologies (1.21) e.g. budget, time scale, materials, etc. • How they can be used in contemporary and potential future scenarios – e.g. natural and medical disasters, travel, etc. • Ethics – where it was made and who by? Fair trade? • Environment – Carbon footprint, life cycle analysis (LCA), transportation. 			31
Monday 22nd	1.3 Energy Generation, Storage and Sources	<ul style="list-style-type: none"> • Non-renewable sources, advantages and disadvantages • Renewable sources, advantages and disadvantages (1.31) • Powering systems – examples, advantages and disadvantages (1.32) 			30
Monday 29th	1.4 Smart and Composite Materials, and Technical Textiles	<p>Examples, advantages and disadvantages of the following:</p> <ul style="list-style-type: none"> • Modern and smart materials • Composite materials • Technical Textiles 			29
October					
Monday 6th	1.5 Mechanical Devices	<ul style="list-style-type: none"> • Types of movement (1.51) • Classification of levers and calculating mechanical advantage (1.52a) • Linkages (1.52b) • Cams and followers (1.53) • Pulleys and belts (1.54) • Cranks and sliders • Gears and calculations (1.5a & 1.5b) 			28
Monday 13th	1.6 Electronic Systems	<p>The role, applications, advantages and disadvantages of the following:</p> <ul style="list-style-type: none"> • Sensors – LDRs and thermistors. • Control devices – switches, transistors and resistors. (1.61) • Outputs – Buzzers and LEDs. (1.62) 			27

Monday 20th	1.7 Programmable Components	<ul style="list-style-type: none"> Using flowcharts. Switching outputs on and off. Processing analogue inputs. Simple routines to control outputs – delays, loops and counts. (1.7) 			26
Monday 27th	1.8 Ferrous and Non-Ferrous Metals	<p>You must know about each of the following:</p> <ul style="list-style-type: none"> What is a ferrous metal and examples. What is a non-ferrous metal and examples. Properties of the above and their meanings. (1.8) 			25
November					
Monday 3rd	1.9 Section Papers and Boards	<p>You must know about each of the following:</p> <ul style="list-style-type: none"> Papers and examples. Boards and examples. Properties of the above and their meanings. 			24
Monday 10th (Mock Week 1)	1.10 Section Thermoforming and thermosetting polymers.	<p>You must know about each of the following:</p> <ul style="list-style-type: none"> What are thermoforming plastics? What are thermosetting plastics? What are their uses and why? 			23
Monday 17th (Mock Week 1)	1.11 Section The categorisation of fibres, and textiles.	<p>You must know:</p> <p>What are the different fabric construction methods?</p> <p>Advantages and disadvantages</p> <p>Properties</p>			22
Monday 24th	1.12 Natural and Manufactured Timber	<p>You must know:</p> <p>A range of different timber types and uses</p> <p>The differences between Hardwood, softwood and manufactured board</p>			21
December					
Monday 1st	1.13 Contexts which inform design outcomes	<p>You must know:</p> <p>Materials properties names and definitions</p> <p>Advantages and disadvantages of material choice for a specific design need.</p>			20

Monday 8th	1.14 Environmental, social and economic challenges	You must know: Different social and ethical groups and how these can be affected by design. Economic challenges faced by companies and designers. Recycling and reusing Life Cycle Analysis			19
Monday 15th	1.15 Designers	You must know: Know information about one large designer that has been influence in the design world i.e Dyson, Tesla, Chanel, Apple How to analyse an existing product using design thinking.			18
January					
Monday 5th	1.16 Design Strategies	You must know: - What are design strategies and how do designers use them to develop their ideas.			17
Monday 12th	1.17 Design Communication	You must know: - Different drawing techniques names - What are they called and what they are used for?			16
Monday 19th	6. 1 Design Contexts 6.2 Source, origins, physical and working properties, and social and ecological footprint	You must know: Different varieties of textiles Where they come from Textile construction methods Working properties of fabrics How fabric production impacts on social and ecological issues.			15
Monday 26th (Mock Week 1)	6.3 Selection of textiles	You must know: What affects the selection of materials, revise factors such as: Aesthetics Environmental Availability Cost Social			14
February					
Monday 2nd	6.4 Forces and Stresses	You must know: Strengthening of fabrics, techniques and processes			13

(Mock Week 2)					
Monday 9th	6.5 Stock Forms, types and sizes	You must know: What sizes does fabric come in? How do you calculate how much material you would need for a project?			12
Monday 16th	6.6 Manufacturing to different scales of production	You must know: How can we cut and shape materials? What level of productions are there for different scale jobs? What do these different levels mean i.e. batch, one off etc			11
Monday 23rd	6.7 Specialist techniques, tools, equipment and processes	What tools do we use in Textiles? What are there uses? How do we shape and join fabric? What construction techniques can we use on garnets to create shape, bulk, remove bulk etc. What seams do we use for different fabric and clothing and why?			10
March					
Monday 2nd	6.8 Surface treatments and finishes	You must know: What surface decoration do we use in Textiles? When and why would you use a different one? What are they called and what tools d you need to achieve them?			9
Monday 9th	Revisit 1.1, 1.2, 1.3, 1.4	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			8
Monday 16th	Revisit 1.5, 1.6, 1.7, 1.8	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			7
Monday 23rd	Revisit 1.9, 1.10, 1.11, 1.12	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			6
Monday 30th	Revisit 1.13, 1.14, 1.15, 1.16, 1.17	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			5

April

Monday 6th	Revisit 6.1, 6.2	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			4
Monday 13th	Revisit 6.3, 6.4	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			3
Monday 20th	Revisit 6.5, 6.6	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			2
Monday 27th	Revisit 6.7, 6.8	Relook at areas of the core that you struggled to engage with earlier in the year. Make key notes on areas you are struggling to understand			1

May

Monday 4th	General Revision	Look at the list above and revisit any areas that you felt you didn't understand on the first look.			0
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