

Year 12 Curriculum Overview: **Design & Technology; Fashion & Textiles**



	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn /Spring Term Theory	<ol style="list-style-type: none"> 1. Fibres, Yarns and fabrics 2. Joining fabrics 3. Fastenings 4. Linings 5. Smart and modern materials 6. Surface decoration 7. Finishes 8. Fabric testing 9. Introduction to history of fashion 	<p>Origin of fibres Fibre properties Fibre classification e.g., natural cellulose, natural protein, synthetic, regenerated Why fibres are blended or mixed Different classification of yarns Fabric construction (woven, knitted and non-woven) Self-finishing or non-finished seams and end use Benefits of standardised components Different types of linings and end use Definition of smart and modern materials and specific uses e.g., in sports wear or for medical purposes. Traditional decorative techniques Chemical and mechanical finishes – name and process Classroom and commercial testing process with names of tests and equipment needed. Key happens in society, technology and world events from 1890- current that influences fashion. Names of design movements and iconic designs and their products from 1890- current.</p>	<ul style="list-style-type: none"> • Low stake tests • End of topic tests • Specific more challenging examination questions • Mock exam 	<p>Purchase Aqa Textbook and Revision guide – Design and Technology Fashion and Textiles</p> <p>Resources for projects and examination Core materials are stored in Showbie.</p> <p>Encourage sketching practise Encourage revision for the practice exam questions.</p>
Autumn/ Spring Term Skills – Balenciaga One Seam Coat project	<ol style="list-style-type: none"> 1. Context analysis 2. Research into Balenciaga 3. Research into sustainable fashion 4. Work of others- zero waste products 5. Client questionnaire 6. Toile construction and testing 7. Initial design ideas 8. Skills development 9. Final garment production 10. Evaluation 	<ul style="list-style-type: none"> • Using 4 P's to break down a contextual title • Research skills – primary and secondary • Analysing an existing product • Understanding the needs and wants of specific clients and transferring these into a Brief and Specification • Qualitative vs quantitative data • Illustration – CAD and paper • Pattern drafting • Toile making • Technical skills including: dart insertion, facings, pleats, tucks, ruffles, zips, pockets, sleeves, necklines, decorative techniques 	<ul style="list-style-type: none"> • All NEA aspects of the project work • Creativity and originality • Advanced skills in drawing and modelling • Practical making skills 	<p>Purchase Aqa Textbook – Design & Technology Product Design by Ian Granger</p> <p>Resources for projects and examination Core materials are stored in Showbie.</p> <p>Encourage sketching practise Encourage revision for the practice exam questions.</p> <p>If asked, become a client for projects, answer questions and supporting the design process.</p>
Summer Term	<p>NEA Section A</p> <ol style="list-style-type: none"> 1. Develop a unique project rationale 2. Create a series of Initial Concepts 3. Complete Client, Situation and associated research investigations 4. Carry out client and user surveys 5. Construct a project plan 6. Work on original drawings, CAD and models 7. Develop the Project Specification 8. Mock examinations and feedback 	<ul style="list-style-type: none"> • Live Non-Examination Assessment A Level project • Time Management of final project portfolio • Developing expertise in 3D construction methods & commercial methods of manufacture • Develop higher level skills in sketch and CAD communication • Supporting deeper Core Knowledge and examination skills 	<ul style="list-style-type: none"> • NEA on going monitoring, peer and self-assessment of AO1 • Year 12 Mock examination – 2 1/5-hour paper with 120 marks – Technical Principles 	<p>Check Class Charts for interim deadlines for NEA and reinforce and support these.</p> <p>Continue support with resources for projects and examination. Core materials are stored in Showbie.</p> <p>Encourage reading the textbook and help studying around topics with documentary watching and museum/ sites of interest to visit.</p> <p>Encourage active revision activities to promote long term recall for exam questions.</p>

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	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	<ol style="list-style-type: none"> 1. Design Brief and Specification 2. Initial ideas (hand sketches and CAD) 3. Developed ideas 4. Sampling 5. Modelling 6. Toile manufacture 7. Final design 8. Lay plan and Working drawing 9. On going research 10. Manufacturing specification 11. Production plan 	<ul style="list-style-type: none"> • Developing expertise in project management for the A level NEA • Opportunity to demonstrate advanced understanding and insight in 3D construction methods and associated materials technology • Work with nearing commercial standards and practice of sketching, drawing and CAD skills • Extending transferrable Core Knowledge 	<ul style="list-style-type: none"> • NEA on going monitoring, peer and self-assessment AO2 & 3 	<p>Monitor and encourage a proactive approach to the NEA schedule</p>
Spring Term	<ol style="list-style-type: none"> 1. Fabric specification 2. Manufacture of garment 3. Dairy of manufacture 4. Quality control 5. Self Evaluation 6. Testing the product on the client 7. Testing product against the specification 8. Recording modification made 9. Design of modified design 10. Comparison against existing product. 	<ul style="list-style-type: none"> • Demonstrate the discipline of industry textiles environment Health and Safety • Expertly manufacturing with hand and machine equipment. • Master high level communication skill in completing the NEA. 	<ul style="list-style-type: none"> • NEA on going monitoring, peer and self-assessment AO4 and 5 • NEA finalisation for final A level assessment 	<p>Encourage active revision activities to promote long term recall for exam questions. In preparation for mock exams.</p> <p>Monitor and encourage a proactive approach to the NEA schedule</p>
Summer Term	<ol style="list-style-type: none"> 1. Revisiting fabrics , yarns, fibres and historical fashion. 2., Dye fastness 3. Preparing fabrics for printing 4. Scale of production and production lines 5. CAD/CAM/CNC in industry 6. EDI and PPC 7. Inclusive design 8. Legislation 9. Marketing 10. Numeracy in Fashion 	<ul style="list-style-type: none"> • Reflection upon Time Management and overall success of final project portfolio • Complete formal documentation for AQA assessment • Master independent revision and recall of Product Design curriculum • Build on key literacy • Supporting deeper examination strategies and skills in preparation for the final papers 	<ul style="list-style-type: none"> • Exploring and practicing past examination papers • Rehearsal of examination questions and feedback 	<p>Persist in encouraging reading the textbook and help studying around topics with documentary watching and museum/ sites of interest to visit</p> <p>Encourage active revision activities to promote long term recall for exam questions.</p>