
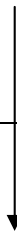


GREY COURT SCHOOL
Year 10 Curriculum Topics Studies

	MATHEMATICS	D & T: GRAPHIC PRODUCTS	D & T: PRODUCT DESIGN	D & T: FOOD	D & T: TEXTILES	R.E. Compulsory & GCSE full course	Short Course
A U T U M N	<p>ALL STUDENTS: AQA Modular specification B Mathematics. SET 1: AQA Statistics RED 1 (OR)</p> <p>All sets- Module 3 -</p> 	<p>Design & Communication in Society</p> <p>The Design Process, Mood Board</p> <p>PIES – character sketching skills, vector tools and manipulation</p> <p>Photoshop layers, working between applications.- 2D Design;</p> <p>CAD/CAMM1 printing and cutting - door sign / character - stickers</p>	<p>The design process; Investigate designers - James Dyson</p> <p>Corporate Identity - Logo design</p> <p>Recap sketching skills</p> <p>2D Design CAD, Laser cutting</p> <p>Health & Safety; Materials: metal – Aluminium; Bookend; Recap</p> <p>Specification; drawing - Sketchup</p> <p>Cutting, Shaping, joining and polishing metal</p>	<p>Introduction to course.</p> <p>Food Hygiene & Safety.</p> <p>Target Groups.</p> <p>Nutritional Needs</p>	<p>Introduction to Textiles.</p> <p>Safety.</p> <p>Health/Safety/Consumer rights and legislation.</p>	<p>RED</p> <p><u>Life Issues</u></p> <p>Abortion</p> <p>Prejudice & Discrimination</p> <p>Christianity – the life of Jesus</p>	<p>Abortion</p> <p>Prejudice & Discrimination</p>
		<p>Advertising – Print and TV</p> <p>Branding – designing for a client</p> <p>Logo and brand development and application, MS Publisher</p> <p>Typography</p> <p>Movie marketing – poster design</p>	<p>Person Product Investigation</p> <p>Packaging Design</p> <p>Net Development</p> <p>Fragrance bottle design</p> <p>Recap using Prodesktop</p> <p>3D CAD modelling;3D Printer</p> <p>Packaging symbols</p> <p>Printing Processes CMYK</p> <p>Die Cutting</p> <p>Materials: paper and card</p> <p>Product Evolution</p> <p>Year 10 Exam revision</p>	<p>Production Systems/Use of CAD/CAM.</p> <p>Cake production.</p> <p>Test kitchen.</p> <p>Preservation of Food.</p> <p>Pastry making/Batch Production.</p>	<p>Textile manufacture and the environment.</p> <p>Fibres.</p> <p>Fabrics.</p> <p>Fabric finishes.</p> <p>Enhancement of fabrics.</p>	<p><u>Questions of meaning:</u></p> <p>Does God exist?</p> <p>Life after death.</p> <p>Suffering</p>	<p>Christianity</p> <p>Does God exist?</p>
S P R I N G	<p>RED 1</p> <p>Set 1 – Statistics.</p> <p>Set 2, 3 & 4 – Number.</p> <p><u>Red/blue/green</u></p> <p>Handling Data</p>	<p>Movie merchandise and Point of Sale display – CAD/CAM prototype CAMM1</p> <p>CAD – 3D Modelling – ProDesktop</p> <p>Container Project – design and make – modelling with foam board; photo rendering and texture</p> <p>ArtCAM – lid design and 3D images from vectors, exporting as STL file and 3D Printing</p>	<p>Design movements of the 20th Century</p> <p>Ergonomics and Anthropometrics</p> <p>Materials: wood</p> <p>Cutting, shaping, joining and finishing</p> <p>Using the router & jigs</p> <p>Trinket Box - Four Joints</p>	<p>Biscuit production</p> <p>visit to factory.</p> <p>Product disassembly.</p>	<p>Textile components and use of CAD/CAM.</p> <p>Production systems.</p> <p>Visit to Textile Factory (manufacturing techniques and processes).</p>	<p>Introduction to Islam</p> <p><u>Planet Earth</u></p> <p>Animal rights</p> <p>Creation stories</p> 	<p>Life after death.</p> <p>Suffering</p>
		<p>Perspective drawing – atmospheric, tone, texture and shading</p> <p>Form shading and rendering techniques</p> <p>Packaging functional analysis report</p>	<p>Industrial Manufacture</p> <p>Batch Production</p> <p>Mass Production</p> <p>Injection moulding</p> <p>Quality Control and Assurance</p> <p>Investigate major project topics</p>	<p>Marketing, labelling, packaging.</p> <p>Bread Project</p>	<p>Quality Assurance and control.</p> <p>Products and applications, lifestyles and image.</p> <p>Coursework introduction.</p>		

S U M M E R	Set 1 – Statistics. Set 2, 3 & 4 Module 3 - Handling Data	Packaging Sequence diagrams and creative presentation Start Major Project – situation; needs; target market; task analysis; mood board, research; detailed design brief	Major Project Situation; Need; Target Market; Analysis of problem Design Brief Research sources – internet, library, interview expert	Start Major Project – situation; needs; target market; task analysis; mood board, research; detailed design brief	Start Major Project – situation; needs; target market; task analysis; mood board, research; detailed design brief	Pollution	Animal rights
	↓	research existing products; test materials; ergonomics; analysis of research; detailed specification; initial ideas; Interim deadline	Research existing products, ergonomics Analysis of research Specification Initial Ideas Interim deadline	Task analysis; research existing products; test materials; ergonomics; analysis of research; detailed specification; initial ideas; Interim deadline	Task analysis; research existing products; test materials; ergonomics; analysis of research; detailed specification; initial ideas; Interim deadline.	Revision	Introduction to Islam