

YEAR 13 –REVISION AND ASSESSMENT – APRIL TO MAY 2021

WEEK BEGINNING	Tuesday 3-3	HWK/REVISION/ASSESSMENT	Wednesday 4/5	HWK/REVISION/ASSESSMENT
5 th April – Easter 1	Core Revision: KEY CONCEPTS IN Materials and Material Properties, Ethical and Moral implications of modern design and QC QA			
12 th April – Easter 2				
19 th April	Revision & Assessment: Core Principals ☒ Materials and their applications ☒ Mechanical properties of materials ☒ Physical properties of materials	QUIZZING: Forces and Stresses EXAM QUESTIONS:	Revision & Assessment: Mathematics in Product Design	QUIZZING: Assignment 1 Maths in PD Booklet EXAM QUESTIONS: Cutting Speeds Areas Volumes Material Costing
26 th April	Revision & Assessment Modern and SMART Materials Modern and SMART Materials Photo Thermo Hydro PH Levels Compression	EXAM QUESTIONS: SMART MATERIALS	Revision & Assessment: Development of Modern Materials 1950's onwards	MODERN MATERIALS Modern Materials
3 rd May	Revision & Assessment: Polymers and forming processes Thermoplastic Thermo forming Plastic Moulding Processes ☒ Injection ☒ Rotary ☒ Extrusion ☒ Vacuum	EXAM QUESTIONS + Videos https://youtu.be/JDleA7vC-40 https://youtu.be/W4Ew5ftzoQE	Revision & Assessment: Forming Processes: Blow Moulding Extrusion Injection Moulding Vacuum forming 3D-0Printing	Exam Questions:
10 th May	Revision & Assessment: Material Finishes The use of finishes	Exam Questions:	Revision & Assessment Digital Design and Manufacturing	Exam Questions

	<ul style="list-style-type: none"> ☑ Paper and board finishing ☑ Paper and board printing processes ☑ Polymer finishing ☑ Metal finishing ☑ Cathodic protection ☑ Wood finishing 		<ul style="list-style-type: none"> Computer aided design (CAD) ☑ Computer aided manufacture (CAM) ☑ Virtual modelling (A-level only) ☑ Rapid prototyping processes ☑ Electronic data interchange (A-level only) ☑ Production, planning and control (PPC) networking 	
17th May	<p>Revision & Assessment: Enhancement of materials</p> <p>Polymer enhancement</p> <ul style="list-style-type: none"> ☑ Wood enhancement ☑ Metal enhancement 	Exam Questions	<p>Revision & Assessment: Health and safety</p> <p>Safe working practices</p> <ul style="list-style-type: none"> ☑ Safety in products and services to the customer 	Exam Questions:
24th May	<p>Revision & Assessment: Design communication Report writing</p> <ul style="list-style-type: none"> ☑ The use of graphs, tables and charts ☑ 2D and 3D drawing ☑ Dimensioning and details for manufacture 	Exam Questions	<p>Revision & Assessment: National and international standards in product design</p> <p>British Standards Institution (BSI)</p> <ul style="list-style-type: none"> ☑ International Organization for Standardization (ISO) ☑ Directives and labelling initiatives 	Exam Questions