KS5 Design & Technology Curriculum Map 2022-23

		Autumn term	Spring term	Summer term
Year 13 Year 12	Theory topics	MATERIALS:	FACTORS INFLUENCING THE DEVELOPMENT OF PRODUCTS: User needs, wants and values Principles, applications and the influence on design of anthropometrics and ergonomics Form over function and form follows function Design theory of historical movements and figures including Art Nouveau THE EFFECTS OF TECHNOLOGICAL DEVELOPMENTS: The global marketplace, manufacturing 'offshore' in developing countries and local and global production THE FEATURES OF MANUFACTURING INDUSTRIES: Quality Control & Quality Assurance Robotics in production Material handling systems	INFORMATION HANDLING, MODELLING AND FORWARD PLANNING The importance, implications and ways of protecting the intellectual property rights of designers, inventors and companies including copyrights FURTHER PROCESSES AND TECHNIQUES:
	Project work	Designers furniture (including investigation, designing, modelling, CAD/CAM)	Coursework (Component 2)	
	Theory topics	MATERIALS PERFORMANCE CHARACTERISTICS OF MATERIALS PROCESSES, TECHNIQUES AND SPECIALIST TOOLS DIGITAL TECHNOLOGIES FACTORS INFLUENCING THE DEVELOPMENT OF PRODUCTS THE EFFECTS OF TECHNOLOGICAL DEVELOPMENTS	SAFE WORKING PRACTICES, POTENTIAL HAZARDS AND RISK ASSESSMENT FEATURES OF MANUFACTURING INDUSTRIES DESIGNING FOR MAINTENANCE AND THE CLEANER ENVIRONMENT CURRENT LEGISLATION INFORMATION HANDLING, MODELLING AND FORWARD PLANNING FURTHER PROCESSES AND TECHNIQUES	Exam revision
	Project work	Coursework (Component 2)	Exam revision	