Curriculum Overview 2021-22

DT & Engineering

YEAR 11 (Class of 2022)		Week Beg.	Data Entry Deadlines	YEAR 10 (Class of 2023)		Week Beg.	Data Entry Deadlines	Year 9 (Class of 2024)		Week Beg.	Data Entry Deadlines	Year 8 (Class of 2025)		Week Beg.	Data Entry Deadlines	Year 7 (Class of 2026)		Week Beg.	Data Entry Deadlines	
Engineering Sectors	C1 LA:A	30-Aug		Engineering Introduction : Course break down etc	C2:LA:A	30-Aug		Process Investigation - 3D Printing	Quick Release Clamp	30-Aug			A Step in Time	30-Aug			Picture This!	30-Aug		
Engineering Organisations & Products		06-Sep		Engineering Materials: Metals		06-Sep		Process Investigation - Laser Cutting		06-Sep		Designers Research -		06-Sep		Tenon Saw / Coping Saw Training		06-Sep		
Engineering Job Roles		13-Sep	Eve	Engineering Materials: Polymers		13-Sep		Process Investigation - Tap & Die		13-Sep				13-Sep				13-Sep		
Career Progression		20-Sep		Engineering Materials: Properties and Characteristics		20-Sep		Process Investigation - Formers & Molds		20-Sep		Design & Development		20-Sep		Scroll Saw Training		20-Sep		
Functions in Engineering Organisations		27-Sep		Engineering Components		27-Sep		Manufacturing Processess		27-Sep				27-Sep				27-Sep		
Component 1 LA:A Assignment Begins		04-Oct	PS1	Engineering Processes: Shaping (inc Practical Investigation)		04-Oct				04-Oct		6R's (Recycling Bottle Tops)		04-Oct		Disc Sander Training		04-Oct		
Controlled Assignment Work		11-Oct		Engineering Processes: Cutting & Joining		11-Oct		Production Method Write Up		11-Oct				11-Oct			Picture This!	11-Oct		HT
Component 1 LA:A Assignment Deadline	C1 LA:B	01-Nov		Engineering Processes: Forming Polymer (inc Practical Investigation)	C2:LA:A	01-Nov		Isometric Drawing	Formed Holder	01-Nov		Product Manufacture	A Step in Time	01-Nov		Frame Making - Instruction following		01-Nov		
Variation in Design (form & approach)		08-Nov		Engineering Processes: Forming Metals		08-Nov		Google SketchUp		08-Nov				08-Nov				08-Nov	PS1	Eve
Components Recap		15-Nov		Component 2 LA:A Assignment Begins		15-Nov	PS1			15-Nov		Product Manufacture		15-Nov		Marbelling and Lino Printing		15-Nov		
P	C1 LA:B	22-Nov		Controlled Assignment Work		22-Nov		Templates and Formers		22-Nov				22-Nov				22-Nov		
		29-Nov		Controlled Assignment Work		29-Nov		Manufacturing Processes		29-Nov		Scales of Production		29-Nov		Finishing & Evaluating		29-Nov		
Evalaution & Justification Recap		06-Dec		Component 2 LA:A Assignment Deadline		06-Dec				06-Dec				06-Dec				06-Dec		
Developing a Solution		13-Dec	PS2	Component 2 LA:A Assignment Resubmission Starts		13-Dec		Production Methods		13-Dec		Knowledge Assessment		13-Dec		Renewable Energy Theory	Light out of Darkness	13-Dec		X-mas
Design & Make Process	C3: Exam	03-Jan		Practical Engineering Skills	C2:LA:B	03-Jan		Evaluation & Analysis		03-Jan		Solving World Problems - Enrichment	Ocean Cities	03-Jan		Renewable Energy Theory		03-Jan		
Engineering Brief		10-Jan	Eve	Practical Engineering Skills		10-Jan		Project Planing	Desk Lamp Project	10-Jan		Press Moulding		10-Jan		CAD - 2D Design (Laser Cutting)		10-Jan		
Design Folders & Design Proposals		17-Jan		Disassembly Techniques and Tools		17-Jan		Working Drawings - CAD		17-Jan	PS1 Eve			17-Jan				17-Jan		
Generating Desing Solutions		24-Jan		Product Design Specification		24-Jan				24-Jan		Manufacturing - Formers		24-Jan		Soldering & Electronics Theory		24-Jan		
Quality Requirements / Team & Peer Review		31-Jan		Safe Working		31-Jan		Manufacturing Processes		31-Jan				31-Jan				31-Jan		
Developing & Reflecting		07-Feb		Component 2 LA:B Assignment Begins		07-Feb				07-Feb		Manufacturing - Press Moulding		07-Feb	PS1	Components & Wokring Drawings		07-Feb		
C3 Exam Window		14-Feb		Controlled Assignment Work		14-Feb				14-Feb				14-Feb				14-Feb		
Component 1 LA:B Assignment Begins		28-Feb		Controlled Assignment Work		28-Feb		Materials Theory - Polymers		28-Feb		Designing - Floating Shelters		28-Feb		Manufacturing & Construction		28-Feb		HT
C1 LA:A and LA:B Catch up and Completion	C1 LA:A/B	07-Mar		Controlled Assignment Work	C2:LA:B	07-Mar		Materials Theory - Metals		07-Mar				07-Mar				07-Mar		
		14-Mar		Component 2 LA:B Assignment Deadline		14-Mar	PS2 Eve	Materials Investigation - Fastenings & Fixings	Desk Lamp	14-Mar		Modelling - Floating Shelters	Ocean Cities	14-Mar		Project Presentations	Light out of Darkness	14-Mar		
		21-Mar		Component 2 LA:B Assignment Resubmission Starts		21-Mar		Evaluation & Analysis		21-Mar				21-Mar				21-Mar		
		28-Mar		Processes & Procedures	C3	28-Mar			Port Know	28-Mar		Project Evaluation		28-Mar		Project Evaluations		28-Mar		
		04-Apr	PS3	Prototypes and Models		04-Apr				04-Apr				04-Apr				04-Apr		
		25-Apr		Assembly Recap	C3: Exam	25-Apr		2-Point Perspective Drawing	Knowledge Building	25-Apr		Engineering - Aerodynamics	3-2-1 Blast Off!	25-Apr	PS2	Egg Parachutte Project - Designing	Disaster!	25-Apr		Easter
		#####		Machinery, Tools & Materials Recap		#####		Iteritvie Design		#####				#####				#####		
		#####		Recording & Interpreting Data		#####		Developing a Design		#####		Bottle Rockets Designing		#####	Eve	Egg Parachutte Project - Making		#####		
GCSE Exams		#####		Selecting Materials Recap		#####		Research and Inspiration Impact		#####				#####				#####		
		#####		Manufacturing Process Recap		#####		Mechanical Properties of Materials		#####		Aerodynamics Testing		#####		Injection Moulding		#####		
GCSE Exams		06-Jun		Redesign, Sketching, Exploded Diagrams		06-Jun		Finishing Processes	Exam Based Content	06-Jun		Manufacture & Aerodynamics Testing	3-2-1 Blast Off!	06-Jun		Injection Moulding	Disaster!	06-Jun	PS2	HT
		13-Jun		PPEs		13-Jun		Properties Influecning Manufacture		13-Jun		Manufacture		13-Jun		Shelter in a Box - Designing		13-Jun		
		20-Jun				20-Jun		Engineering Ceramics & Composite Materials		20-Jun				20-Jun	PS3			20-Jun	Eve	
		27-Jun				27-Jun		Scales of Production		27-Jun	PS2	Testing		27-Jun		Shelter in a Box - Modelling		27-Jun		
		04-Jul		Design for Manufacture	C3	04-Jul	PS3	Orthographic Third Angle Projections		04-Jul				04-Jul				04-Jul		
		11-Jul		Revision Introduction and Exam Material Handed Out		11-Jul				11-Jul				11-Jul				11-Jul		
		18-Jul		CEW Week		18-Jul		CEW Week		18-Jul		CEW Week		18-Jul		CEW Week		18-Jul		