

Week Start	Content Description	Assessment	Events
September			
3rd	<p>Unit one (5 lessons): Soma cube (Mini practical)</p> <ul style="list-style-type: none"> ❖ Review timber knowledge, machine processes and tool/equipment knowledge ❖ Testing manufacturing skills-Measuring and cutting accurately using hand tools. <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Specialist content: Woods</i> • <i>Common content: Implementation and Realisation-Cutting and assembling.</i> • <i>Health and Safety in the workshop, G.1.)</i> 	<p>Cycle 1: Assessment 1: Baseline HW x3 Assessment 2: Soma cube outcome or research task or both</p> <p>Small summative tasks throughout project and HW assessed using E/G/I/U criteria.</p> <p>Assessment 3:</p>	
10 th	<p>Complete soma cube practical and identify strengths and weaknesses.</p> <p>End of unit formative assessment</p>	Formative task to review all of unit	<p>10-14th CEM Assessments (7,9 & 11) 14th Target Grades Deadline (8,10, 12) 14th Year 7 Picnic</p>
17 th	<p>Unit two (20 lessons): Stool project (Practical and theory)</p> <ul style="list-style-type: none"> • Wood joints • Research techniques <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Common content: Design process parts B to E</i> • <i>Health and safety: G.3 and G.4.</i> • <i>Communication of ideas i.e. drawing techniques: H)</i> 	<p>Cycle 2: HW x 3 STAR review</p> <p>Small summative tasks throughout project and HW assessed using E/G/I/U criteria.</p>	17-20 th CEM Assessments (7,9 & 11)
24 th	<p>Unit two: Stool project</p> <ul style="list-style-type: none"> • Generate ideas. <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Communication of ideas i.e. drawing techniques)</i> 		28 th Prophet's Birthday - Observed
October			
1st	<p>Unit two: Stool project</p> <ul style="list-style-type: none"> • Generate ideas. <p><i>(Covering aspects of the exam curriculum:</i></p>	<p>Cycle 3: HW x 3 Assessment 4: Design idea skills</p>	<p>4th Swimming Gala 5th Armed Forces Day</p>

	<ul style="list-style-type: none"> • <i>Communication of ideas i.e. drawing techniques)</i> 	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
8 th	Unit two: Stool project <ul style="list-style-type: none"> • Manufacture <i>(Covering aspects of the exam curriculum: Specialist content: Part R, S, U and V.1.)</i>		8 th Target Grade Deadline (7,9,11) 10 th Careers Day
15 th	Unit two: Stool project <ul style="list-style-type: none"> • Manufacture <i>(Covering aspects of the exam curriculum: Specialist content: Part R, S, U and V.1.)</i>	Cycle 4: HW x 3 STAR review Assessment 5: Wood joints Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
22 nd	Half Term Break		
29 th	Unit two: Stool project <ul style="list-style-type: none"> • Manufacture <i>(Covering aspects of the exam curriculum: Specialist content: Part R, S, U and V.1.)</i>	Cycle 4 HW x 3 Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	31 st Orange and Black Day
November			
5 th	Unit two: Stool project <ul style="list-style-type: none"> • Manufacture <i>(Covering aspects of the exam curriculum: Specialist content: Part R, S, U and V.1.)</i>	Cycle 5: HW x 3 STAR review Assessment 6: Evaluation Assessment 7: Formative end of unit task	
12 th	Unit two: Stool project <ul style="list-style-type: none"> • Evaluation <i>(Covering aspects of the exam curriculum: Common content: E</i> <ul style="list-style-type: none"> • F.3) 	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
19 th	Unit 3 (5 lessons): Sustainability Project <i>(Covering aspects of the exam curriculum: Common content: J, K and L.</i> <ul style="list-style-type: none"> • Specialist content: N) 	Cycle 6: HW x 3 Assessment 8: Sustainability review Small summative tasks throughout project	AP1 Written Comments Deadline
26 th	Unit 3 (5 lessons):		

	<p>Sustainability Project</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Common content: J, K and L.</i> • <i>Specialist content: N)</i> 	<p>and HW assessed using E/G/I/U criteria.</p> <p>Assessment 9: Formative end of unit task</p>	
December			
3 rd	<p>Unit 4 (20-25 lessons): Casting project/Theory tasks</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>F.2. Creating a mould</i> • <i>G.2. and G.4. Health and safety)</i> 	<p>Cycle 7: HW x 3 STAR review Assessment 10: Developing skills task.</p> <p>Small summative tasks throughout project and HW assessed using E/G/I/U criteria.</p>	4 th First Day AP1 Exams
10 th	<p>Casting project/theory tasks continued</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>I.1, I.2 and I.3. awareness</i> • <i>O and N: machine processes</i> • <i>T. Shaping techniques)</i> 		15 th Last Day AP1 Exams
17 th	<p>Casting project/theory tasks continued</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>P and Q material review)</i> 	<p>Cycle 8: HW x 3</p> <p>Small summative tasks throughout project and HW assessed using E/G/I/U criteria.</p>	22 nd Winter Break
25 th	Winter Break		
January			
1 st	Winter Break		
7 th	<p>Understanding the customer and how society is changing i.e., Market pull and technology push</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Part A and J)</i> 	Cycle 8:	8 th First Day
14 th	<p>Understanding CAD/CAM processes</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Part I.1 to I.3.)</i> 	<p>Cycle 9: HW x 3 STAR review Assessment 11: CAD task</p>	
21 st	<p>Understanding CAD/CAM processes continued</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • <i>Part I.1 to I.3.)</i> 	<p>Small summative tasks throughout project and HW assessed using E/G/I/U criteria.</p>	25 th National Holiday

28 th	Scale of manufacture	Cycle 10: HW x 3	
February			
4 th	Scale of manufacture continued	Cycle 10: Small summative tasks throughout project and HW assessed using E/G/I/U criteria. Assessment 12: Formative review of knowledge	
11 th	Ergonomics and anthropometrics: This will feed into ideas for the coursework project and give them a better understanding of human factors within designing for humans.	Cycle 11: HW x 3 STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
18 th	Human factors continued	Assessment 13: Review knowledge	21-22 nd Half Term
25 th	<p>COURSEWORK TO START (50%)/Exam preparation (2 exams: One drawing and one knowledge based)</p> <p>Coursework is split into 7 components: C1 Brief C2 Specification C3 Designs C4 Development C5 Planning C6 Manufacture C7 Evaluation</p> <p>C1 composes a selection of research tasks: Task analysis/Customer/Product analysis/Extra research i.e. ergonomics and material information.</p> <p><i>(Covering aspects of the exam curriculum:</i></p> <ul style="list-style-type: none"> • A to E • Referring to multiple sections of the curriculum specification) 	Cycle 12: HW x 3 Small summative tasks throughout project and HW assessed using E/G/I/U criteria. Assessment 14: Exam skills	
March (10th Ramadan Starts)			
3 rd	Exam skills.	Cycle 12:	

		STAR review	
10 th	C1 of coursework continues.	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
17 th	Exam skills.	Cycle 13: HW x 3	
24 th	Introduce C2 which is the specification. C2 is a list of requirements that describe the product that they plan to manufacture in specific detail.	Assessment 15: C1/C2 deadline and/or exam skills	
April			
31 st	Exam skills	Cycle 14: HW x 3	
7 th	C1 and C2 to be continued/Exam skills. INTERNAL DEADLINES to be discussed with parent and student.	STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	10-11 th Eid Holiday
14 th	Exam skills.	Cycle 15: HW x 3	
21 st	Introduce C3 which is the generation of ideas/Exam skills. C3 requires 8 to 10 different ideas that communicate materials, manufacturing, dimensions, addressing customer wants and needs and contextualizing to the initial brief. This work should all be drawn using different 3D techniques and presented professionally.	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	25 th Spring Break
28 th	Spring Break		
May			
5 th	Exam skills.	Cycle 16: HW x 3 STAR review	7 th Start of Term 3
12 th	Introduce C4 C4 requires the student to analyse all ideas against the specification to then have two remaining solutions. These are then modified and adapted to better solutions and tested through trialing modelling techniques.	4 to 5 main assessments here linked to exam skills in this last term. Small summative tasks throughout project	

		and HW assessed using E/G/I/U criteria.	
19 th	Exam skills	Cycle 17: HW x 3	
26 th	Continue coursework	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	

June

2 nd	Exam skills	Cycle 18: HW x 3	6 th End of year assembly
9 th	Continue coursework	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	12 th Last day for Students 13 th Last day for Teachers

End of Year

Additional Notes:

5 main HW's will be assessed using the E/G/I/U criteria and included in monitoring purposes to ensure an inclusive education. These will be indicated throughout the year.

Exam curriculum (coded)			
Common Content: Product Design		Specialist Content: Resistant Material	
A. IDENTIFY AND DESCRIBE needs and opportunities for design and technological improvements		M. Materials: Woods	
B. Design brief and specification		N. Materials: Plastics	
C. Research		O: Materials: Metals	
D. Generate Ideas		P. Smart and Modern materials	
E. Evaluation		Q. Composites	
F.1. Implementation and Realisation:Correct procedures for preparation of materials.		R. Preparation of materials	
F.2. Correct and accurate methods of drawing, marking and testing.		S. Setting, measuring, marking out and testing.	
F.3. Select appropriate processes for shaping, forming, cutting, joining, fitting, assembling and finishing a variety of materials.		T. Shaping	
G.1. Health and Safety: The correct use of hand and machine tools.		U. Joining and assembly	
G.2. Safety precautions.		V.1. Finishing: (Interior and exterior)	
G.3. The responsibility of designers to ensure products are safe to use.		V.2. Understanding the process of electroplating and anodizing	

G.4. Basic safety symbols used in the workshop.			
H. Communication of Design Ideas			
I.1. Use of technology in design and making: - CAD/CAM. (BESPOKE/INDUSTRY)			
I.2.Be aware of machines that can be controlled by computer;including CNC machines; miller/router/engraver, lathe, laser cutter.			
I.3.Have an awareness and understanding of how computers can enhance stock control and quality control.			
J. Design and Technology in Society			
K. Practical design application			
L. Sustainability			