

LONG TERM PLAN 2023/2024

YEAR GROUP:

Y10

SUBJECT: DT

Week Start	Content Description	Assessment	Events
September			
3rd	COURSEWORK REVIEW Where are we and where we need to go next? Currently C1 and C2 were started but not fully complete. C3 was to be started over the summer break.	Cycle 1: HW x3 Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
10 th	Exam/Knowledge review Where are we and where do we need to go next?	Assessment 1: Exam skills baseline	10-14 th CEM Assessments (7,9 & 11) 14 th Target Grades Deadline (8,10, 12) 14 th Year 7 Picnic
17 th	Coursework 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.	Cycle 2: HW x 3 STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	17-20 th CEM Assessments (7,9 & 11)
24 th	Exam/Knowledge Unit 1: Exam curriculum A to E	Assessment 2: Formative assessment of unit 1	28 th Prophet's Birthday - Observed
October			
1st	Coursework: Continue C4	Cycle 3: HW x 3	4 th Swimming Gala 5 th Armed Forces Day
8 th	Exam/Knowledge Unit 2: Materials: Woods M This links with F.1/F.2/I.3/R/S/U/V.1	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	8 th Target Grade Deadline (7,9,11) 10 th Careers Day
15 th	Coursework: Continue C4	Cycle 4: HW x 3 STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
22 nd	Half Term Break		
29 th	Exam/Knowledge Unit 2: Materials: Woods M	Cycle 4 HW x 3	31 st Orange and Black Day

	This links with F.1/F.2/I.3/R/S/U/V.1	Assessment 3: Formative assessment on unit 2 Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
November			
5 th	Coursework: Start Manufacture (C6) C6 is the practical element of the coursework, and a dairy of manufacture needs to be completed alongside the processes through photo evidence. C5 is the planning stage which is easier to do after the manufacture is completed.	Cycle 5: HW x 3 STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
12 th	Exam/Knowledge Unit 3: Materials: Plastics N This links with F.1/F.2/F.3/L/I.3/R/S/U/V.1		
19 th	Coursework: Continue Manufacture (C6)	Cycle 6: HW x 3	AP1 Written Comments Deadline
26 th	Exam/Knowledge Unit 3: Materials: Plastics N This links with F.1/F.2/F.3/G.1/G.2/G.3/L/I.3/R/S/U/V.1/V.2	Small summative tasks throughout project and HW assessed using E/G/I/U criteria. Assessment 4: Formative assessment of unit 3	
December			
3 rd	Coursework: Continue Manufacture (C6)	Cycle 7: HW x 3 STAR review	4 th First Day AP1 Exams
10 th	Exam/Knowledge Unit 4: Materials: Metals O This links with F.1/F.2/F.3/G.1/G.2/G.3/L/I.3/R/S/U/V.1/V.2	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	15 th Last Day AP1 Exams
17 th	Coursework: Continue Manufacture (C6)	Cycle 8: HW x 3 Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	22 nd Winter Break

		Assessment 5: End of term review	
25 th	Winter Break		
January			
1 st	Winter Break		
7 th	Exam/Knowledge Unit 4: Materials: Metals O This links with F.1/F.2/F.3/G.1/G.2/G.3/L/I.3/R/S/U/V.1/V.2	Cycle 8: Assessment 6: Formative assessment of unit 4	8 th First Day
14 th	Coursework: Continue Manufacture (C6)	Cycle 9: HW x 3 STAR review	25 th National Holiday
21 st	Exam/Knowledge Unit 5: Communication of Design ideas H Revise different techniques and systematically go through the paper exam format. 1.a. Specification criteria 1.b. Two mini design 1.c. Three drawings 1.d. Evaluate 1.e. Best drawing/develop 1.f. Two suitable materials 1.g. Machine process	Small summative tasks throughout project and HW assessed using E/G/I/U criteria. Assessment 7: Designing under pressure (Exam skills)	
28 th	Coursework: Continue Manufacture (C6)	Cycle 10: HW x 3	
February			
4 th	Exam/Knowledge Unit 6: Machine processes Linked with G.1-4/I.1-3/R/S/U/T/V.1	Cycle 10: Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
11 th	Coursework: Continue Manufacture (C6) INTERNAL DEADLINE to complete the manufacture at this stage	Cycle 11: HW x 3 STAR review	
18 th	Exam/Knowledge Unit 6: Machine processes Linked with G.1-4/I.1-3/R/S/U/T/V.1	Small summative tasks throughout project and HW assessed using E/G/I/U criteria. Assessment 8: Formative assessment of unit 6	21-22 nd Half Term

25 th	Coursework: Introduce C7 Evaluation	Cycle 12: HW x 3 Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
March (10 th Ramadan Starts)			
3 rd	Coursework: SUBMIT DEADLINE Exam/Knowledge Unit 7: Revise J/K and L.	Cycle 12: STAR review Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	
10 th	Exam/Knowledge Unit 8: Revise P and Q Allow for a contingency plan for coursework (some students may need extra time)	Assessment 9: Formative review of unit 7 and 8	
17 th	Exam/Knowledge Revision and exam practice	Cycle 13: HW x 3	
24 th	Exam/Knowledge Revision and exam practice	Assessment 10: Exam practice	
April			
31 st	Exam/Knowledge Revision and exam practice	Cycle 14: HW x 3 STAR review	
7 th	Exam/Knowledge Revision and exam practice	Small summative tasks throughout project and HW assessed using E/G/I/U criteria.	10-11 th Eid Holiday
14 th	Exam/Knowledge Revision and exam practice	Cycle 15: HW x 3	
21 st	Exam/Knowledge Revision and exam practice	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	Study leave	Cycle 16:	7 th Start of Term 3
12 th			

19 th		Cycle 17:	
26 th			
June			
2 nd		Cycle 18:	6 th End of year assembly
9 th			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			