Year 13 Long Term Scheme of Learning 2026-2027

Subject: Product Design

National curriculum or specification coverage
AQA A-level Product Design 7552: • **Papers and boards:** properties, forming, printing, finishes and digital manufacture. • **Manufacturing and production:** design for manufacture, project management, planning for accuracy/efficiency, quality assurance and quality control. • **Industrial/commercial practice:** computer systems, ease of manufacture, maintenance, repair and disposal. • **Safety, standards and intellectual property:** product safety, health and safety, national/international standards and protecting designs. • **Technology and innovation:** technological and cultural change, major technological developments, CAD/CAM and collaborative working. • **Design theory:** feasibility studies, designers and their work, and social, moral and ethical issues. • **Product life cycle:** consideration of products throughout their life cycle. • **NEA:** substantial coverage of **AO1**, **AO2 (design and make prototypes)** and **AO3 (analysis and evaluation)**, including Sections B–E. • **Materials revision:** characteristics/properties, enhancement, processes and joining methods for **metal, polymer and timber**.

Date	Exams/ Assessments	Learning Intentions		Core Task / Assessments
31/08/26		• Performance characteristics of Papers and boards • Design for manufacture and project management • Planning for accuracy and efficiency • Quality assurance • Quality control • Paper and board forming processes • Paper and board printing processes • Paper and board the use of finishes • Digital design and manufacture	NEA - AO1 (30 marks) Identify, investigate & outline design possibilities – Section B - Producing a design brief and specification	End of unit tests PPE's
07/09/26				
14/09/26				
21/09/26				
28/09/26				
05/10/26				
12/10/26				
19/10/26	Y13			
26/10/26	HALF TERM			
02/11/26		• The use of computer systems		End of unit tests
09/11/26				

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16/11/26		• Safety in products and services to the customer • Protecting designs and intellectual property • National and international standards in product design • Design for manufacturing, maintenance, repair and disposal • Ease of manufacture	• NEA - A02 (50 marks) Design & make prototypes • that are fit for purpose • Section C - Development of design proposal(s) • Section D - Development of design prototype(s)	
23/11/26				
30/11/26				
07/12/26				
14/12/26				
21/12/26	CHRISTMAS HOLIDAY			
28/12/26				
04/01/27		• health and safety procedures related to products and manufacturing, including: • How technology and cultural changes can impact on the work of designers. • Major Developments in technology • Advancements in CAD/CAM. • Feasibility studies • Collaborative working of designers in the development of new and innovative products	• NEA - A02 (50 marks) Design & make prototypes • that are fit for purpose • Section D - Development of design prototype(s)	End of unit tests PPE's
11/01/27				
18/01/27				
25/01/27				
01/02/27				
08/02/27	Y13			
15/02/27	HALF TERM			
22/02/27		• Designers and their work • Social, moral and ethical issues • Product life cycle	• NEA A03 (20 marks) Analyse & evaluate Section E Analysing and evaluating NEA Final Deadline	End of unit tests
01/03/27				
08/03/27				
15/03/27				
22/03/27				
29/03/27	SPRING BREAK			
05/04/27				
12/04/27		• Metal, Polymer and Timber: • Characteristics - Properties • Enhancement • Processes and Joining methods		End of unit tests
19/04/27				
26/04/27				
03/05/27				
10/05/27				
17/05/27				
24/05/27				
31/05/27	HALF TERM			

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07/06/27		Start of exams	
14/06/27			
21/06/27			
28/06/27			
05/07/27			
12/07/27			