

Subject: Design and Technology

Date	Exams/ Assess	<p align="center">Unit(s)</p> <p align="center"><i>Project themes maybe taught in an alternative order to what is indicated below.</i></p>
2/9/24		<p><u>Systems approach to design – Mood light</u></p> <ul style="list-style-type: none"> • What is design and technology? Project reflection, the design process key concepts. • Product Analysis – ACCESS FM. • Systems approach to designing – Inputs, processors and outputs. • Circuits and standard components. • Task Analysis. • Development of design ideas.
9/9/24		
16/9/24		
23/9/24		
30/09/24		
7/10/24		
14/10/24		
21/10/24		
4/11/24		<ul style="list-style-type: none"> • Health and safety in the workshop. • Soldering. • Knowledge and understanding of materials, process and techniques used to create a functional product. • Manufacturing plans.
11/11/24		
18/11/24		
25/11/24		
2/12/24		
9/12/24		
16/12/24		<p><u>Designing for the future</u></p> <ul style="list-style-type: none"> • Sustainability. • Minimising waste and the six R's. • Fossil Fuels and Greenhouse gases. • Renewable Energy • Wind turbine modelling • Computer Aided Design.
6/1/25		
13/1/25		
20/1/25		
27/1/25		
3/2/25		
10/2/25		<ul style="list-style-type: none"> • Knowledge and understanding of materials, process and modelling techniques. • Sustainable village design.
24/2/25		
3/3/25		
10/3/25		
17/3/25		
24/3/25		
31/3/25		<p><u>Metals and Mechanisms</u></p> <ul style="list-style-type: none"> • The design process key concepts. • Product Analysis – ACCESS FM • Properties and characteristics of metals
21/4/25		
28/4/25		
5/5/25		<ul style="list-style-type: none"> • Drawing techniques • Design development • Knowledge and understanding of materials, process and techniques used to create a functional product. • Levers and Forces.
12/5/25		
19/5/25		
2/6/25		
9/6/25		
16/6/25		
23/6/25		
30/6/25		
7/7/25		
14/7/25		