



Academic Learning Plan
Engineering
Year 11

Intent: In year 11 pupils will undertake a practical engineering challenge, that allows them to work as a professional in response to a brief. Pupils will be able to independently apply the skills and knowledge from their prior learning.



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 11 Units	NEA Practical Engineering As set by the exam board. Pupils must respond to a brief and submit a portfolio of evidence along with a prototype of their resolution. This NEA will contribute to 40% of the final GCSE grade for pupils.			Exam Preparation Pupils will recap and review their current knowledge in readiness for the written exam which is worth 60% of their final GCSE grade.		
Content	<ul style="list-style-type: none"> • Knowledge and understanding of engineering principles and processes. • Knowledge and understanding of engineering principle and processes. • Knowledge and understanding of tools, equipment, materials, components and manufacturing processes. • Analysis and Evaluation 			<ul style="list-style-type: none"> • Knowledge and understanding of engineering principle and processes. • Knowledge and understanding of tools, equipment, materials, components and manufacturing processes. • Analysis and Evaluation 		
Literacy	<ul style="list-style-type: none"> • Analysing • Evaluating • Sequencing • Planning • Explaining • Comparing 			<ul style="list-style-type: none"> • Practice exam questions. • Revision strategies to embed subject specific terms. • Responding to command words. • Recap and recall definitions. 		
Knowledge organiser	Knowledge organisers for revision are available for pupils to access on Teams.					
Assessment	By exam board during term 5			By exam board during Term 5/6		
GCSE AO Link (AQA Engineering)	AO1 AO2 AO3 AO4			AO2 AO3 AO4		
Homework	Set weekly to revise core knowledge					
CEIAG	Problem solving; critical thinking; independent working; time keeping; sequencing; analysing; evaluating; comparing; explaining; synthesising; innovating; planning.			Problem solving; critical thinking; independent working; time keeping; sequencing; analysing; evaluating; comparing; explaining; synthesising; innovating; planning.		