

CBE - LEVEL 2 / 3

LEVEL 2

YEAR 10				
HT1	HT2	НТЗ		
Unit 1 : Construction Technology – this unit covers the different forms of construction that can be used for low-rise offices, retail units and homes. Learners will develop an understanding of the structural performance required for low-rise construction and explore how substructures and superstructures are constructed. This unit will be externally assessed by performing an exam paper. Unit 1 interlinks with all other units performed and forms a base for a wider set of knowledge and skills that will have an element of retrieval activities set until the end of year 11. Typically working through Activity sheets that are set in class and online as backup. This unit is concluded by external assessment.				
HT4	HT5	HT6		
Unit 3: Construction and Design – in this unit learners will develop a broad understanding of the construction industry, the sort of projects it undertakes, and the contribution it makes to wider society. Learners will also look at how client needs can shape the design of a building and develop their own design ideas to a given brief. Typically creating floor plans and exterior views of designed ideas with annotations. This unit is concluded by internal assessment.				

YEAR 11			
HT1 + 2	HT3+4	HT5+6	
Unit 3 : Construction and Design as above.	Unit 2 : Scientific and Mathematical Applications for Construction: In this unit learners will apply scientific and mathematical knowledge, understanding and skills to practical construction contexts. Learners will develop an understanding of the scientific principles affecting the performance of construction materials and develop skills to perform mathematical calculations in construction contexts.	Unit 10 : Electrical Operations: In this unit the learner will explore and learn about the fundamentals of constructing and operating electrical circuits using specialised equipment in a workshop setting. The learners work is delivered in two parts – one in developing a presentation that is followed by constructing an electrical rig under supervised conditions.	
This unit is concluded by internal assessment.	This unit is concluded by internal assessment.	This unit is concluded by internal assessment.	



LONG TERM CURRICULUM PLAN

CBE - LEVEL 2 / 3 LEVEL 3

YEAR 12		
HT1 -3	HT4 - HT6	
Unit 1 - Construction Principles	Unit 2 - Construction Design	
A) Construction materials	A) Stages and tasks involved in the design process	
The use of materials in construction, including their manufacture, the properties of materials linked	The application of Stages 1–4 of the Royal Institute of British Architects (RIBA) Plan of Work 2013 to the tasks associated with the design of low-	
to their use, the degradation of materials, the effects of temperature change on materials and the	and medium-rise domestic, commercial and industrial buildings.	
behaviour of materials under different loading conditions.		
	B Project information and building design production	
B) Solving practical construction problems	Information used in the production of building designs.	
Application of mathematical and statistical methods and techniques used in practical		
construction contexts	C Construction methods and techniques	
	Construction methods and techniques used in the design and construction	
C) Human comfort	of low- and medium-rise domestic, commercial and industrial buildings.	
The impact of heat, light and sound on human comfort in the built environment.		
This unit is externally assessed - exam based.	This unit is externally assessed - synoptic assignment based	



LONG TERM CURRICULUM PLAN

CBE - LEVEL 2 / 3

YEAR 13			
HT1 -3	HT4 - HT6		
Unit 5 - Health and Safety In Construction	Unit 4 - Construction Technology		
A Understand how health and safety legislation is applied to construction	A Understand common forms of low-rise construction		
operations	Evaluation of the effectiveness of different structural forms for use with a		
Presentations, explanatory leaflets or a formal report that	given a low-rise buildings project scenario.		
references case studies, showing the impact of how legislation and			
regulations uphold and improve health and safety on construction sites.			
Reference to statistics could provide justification of legislation and	B+C Examine foundation and superstructure design and		
regulation effectiveness.	construction		
	Evaluation of the construction of new low-rise buildings.		
B Carry out the development of a safe system of work for construction			
operations	D) Examine external works associated with construction projects		
A safety survey with completed documentation, including the production			
of a risk assessment and method statement.	Analysing the design and construction of external works for new		
	construction projects, including the incorporation of a sustainable urban		
C Understand the need for the review of safety systems for construction operations.	drainage system.		
A report evaluating how safe systems can be improved following the			
reporting of accidents, utilising review procedures.			
This unit is internally assessed - assignment based.	This unit is internally assessed - assignment based.		