

GSA Curriculum Map 2021-22: Constructing the Built Environment

We aim to develop students who:

- Develop a knowledge and understanding of health and safety to enable students to work safely and securely in a construction environment.
- Develop a range of construction and renovation skills which can be used during the construction processes.
- Develop the skills, knowledge and awareness of construction jobs to be able plan,organise and cost construction projects in a professional environment.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10 Constructing the Built Environment						
Topics	<p>UNIT 1: LO1 Know health and safety legal requirements for working in the construction industry</p> <p>AC1.1 Summarise responsibilities of health and safety legislation</p> <p>AC1.2 Identify safety signs used by construction industry</p> <p>AC1.3 Identify fire extinguishers used in different situations</p> <p>AC1.4 Describe role of the Health and Safety Executive</p> <p>UNIT 2: LO2 Know preparation requirements for construction tasks</p> <p>AC2.1 Identify resources required to complete construction tasks - Timber</p> <p>LO3 Be able to use construction processes</p>	<p>UNIT 1: LO2 Understand risks to health and safety in different situations</p> <p>AC2.1 Identify hazards to health and safety in different situations</p> <p>AC2.2 Describe potential effects of hazards in different situations</p> <p>AC2.3 Explain the risk of harm in different situations</p> <p>UNIT 2: LO2 Know preparation requirements for construction tasks</p> <p>AC2.4 Prepare for construction tasks</p> <p>LO3 Be able to use construction processes in completion of construction tasks</p> <p>AC3.3 Evaluate quality of construction tasks</p>	<p>UNIT 1: LO3 Understand how to minimise risks to health and safety</p> <p>AC3.1 Explain existing health and safety control measures in different situations</p> <p>AC3.2 Recommend health and safety control measures in different situations</p> <p>UNIT 2: LO2 Know preparation requirements for construction tasks</p> <p>AC2.1 Identify resources required to complete construction tasks - Electrical</p> <p>LO3 Be able to use construction processes in completion of construction tasks</p> <p>AC3.2 Apply health and safety practices in completion of construction tasks - Electrical</p>	<p>UNIT 1: LO4 Know how risks to security are minimised in construction</p> <p>AC4.1 identify risks to security in construction in different situations</p> <p>AC4.2 describe measures used in construction to minimise risk to security</p> <p><i>Retrieval and revision for UNIT 1 assessment - UNIT 1 ASSESSMENT MID JUNE</i></p> <p>UNIT 2: LO1 Be able to interpret technical information</p> <p>AC1.1 Interpret technical sources of information</p> <p>AC1.2 Plan sequence of work to meet requirements of sources of information</p> <p>LO3 Be able to use construction processes in completion of construction tasks</p>	<p>UNIT 2: LO2 Know preparation requirements for construction tasks</p> <p>AC2.1 Identify resources required to complete construction tasks - Plumbing</p> <p>LO3 Be able to use construction processes in completion of construction tasks</p> <p>AC3.2 Apply health and safety practices in completion of construction tasks - Plumbing</p> <p>LO2 Know preparation requirements for construction tasks</p> <p>AC2.2 Calculate materials required to complete construction tasks</p>	<p>UNIT 2: LO2 Know preparation requirements for construction tasks</p> <p>AC2.1 Identify resources required to complete construction tasks - Plumbing</p> <p>AC2.3 Set success criteria for completion of construction tasks</p> <p>AC2.4 Prepare for construction tasks</p> <p>LO3 Be able to use construction processes in completion of construction tasks</p> <p>AC3.3 Evaluate quality of construction tasks</p>

	<p>in completion of construction tasks</p> <p>AC3.2 Apply health and safety practices in completion of construction tasks</p>			AC3.3 Evaluate quality of construction tasks		
Skills	<p>Timber (<i>carpentry</i>)</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - wood e.g. hang a door, make a frame, attach a skirting-board, create a timber stud wall</p> <p>Practice Joints</p> <ul style="list-style-type: none"> • Lap joint • Comb Joint • Mortise and tenon Joint 	<p>Timber (<i>carpentry</i>)</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - wood e.g. hang a door, make a frame, attach a skirting-board, create a timber stud wall</p> <p>Stud wall</p> <ul style="list-style-type: none"> • Architrave • Skirting Boards • Frames 	<p>Electrical</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - electrical e.g. lighting, add a new socket</p>	<p>Electrical</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - electrical e.g. lighting, add a new socket</p>	<p>Plumbing</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - plumbing e.g. waste and taps to a sink</p>	<p>Plumbing</p> <p>UNIT 2: LO3 Be able to use construction processes in completion of construction tasks - plumbing e.g. waste and taps to a sink</p>
Links	WJEC/EDUQAS LEVEL 1 / 2 AWARD in CONSTRUCTING THE BUILT ENVIRONMENT Specification 603/3068/5. Unit 1 Unit 2					
Cross Curricular Links	Cross-curricular: <i>Design and Technology</i> <i>Mathematics</i>		Cross-curricular: <i>Design and Technology</i> <i>Mathematics</i>		Cross-curricular: <i>Design and Technology</i> <i>Mathematics</i>	
Resources	Construction YouTube Channel https://www.youtube.com/channel/UCQSczLjBUv8ZWcf9mluYv-Q/playlists					

Topics	<p>UNIT 2 Assessment</p> <p>Timber recap & assessment based on 1 skill from <i>Sunny Cove Brief</i></p> <ul style="list-style-type: none"> • Technical source • Planning • Practical action • Evaluation <p>Electrical recap & assessment based on 1 skill from <i>Sunny Cove Brief</i></p> <ul style="list-style-type: none"> • Technical source • Planning • Practical action • Evaluation 	<p>UNIT 2 Assessment</p> <p>Plumbing recap & assessment based on 1 skill from <i>Sunny Cove Brief</i></p> <ul style="list-style-type: none"> • Technical source • Planning • Practical action • Evaluation <p>Complete write up of final assessment and submit.</p>	<p>UNIT 3 - Preparation</p> <p>LO1 Know job roles involved in realising construction and built environment projects</p> <p>AC1.1 Describe activities of those involved in construction projects</p> <p>AC1.2 Describe responsibilities of those involved in construction projects</p> <p>AC1.3 Describe outputs of those involved in realising construction projects</p> <p>LO2 Understand how built environment development projects are realised</p> <p>AC2.1 Describe processes used in built environment development projects.</p> <p>AC2.2 Calculate resources to meet requirements for built environment development projects</p>	<p>UNIT 3 - Preparation</p> <p>AC2.3 Assess potential effect of factors on project success</p> <p>AC2.4 Interpret sources of information</p> <p>LO3 Be able to plan built environment development projects</p> <p>AC3.1 Sequence processes to be followed</p> <p>AC3.2 Apportion time to processes</p> <p>AC3.3 Set project tolerances</p> <p>Complete Assessment for UNIT 3.</p>		
Skills	UNIT 2: LO3 Be able to use construction processes in completion of construction tasks	UNIT 2: LO3 Be able to use construction processes in completion of construction tasks				
Links	WJEC/EDUQAS LEVEL 1 / 2 AWARD in CONSTRUCTING THE BUILT ENVIRONMENT Specification 603/3068/5. Unit 2 Unit 3					
Cross Curricular Links	Cross-curricular: <i>Design and Technology</i>		Cross-curricular: <i>Design and Technology</i>		Cross-curricular: <i>Design and Technology</i>	

	<i>Mathematics</i>	<i>Mathematics</i>	<i>Mathematics</i>
Resources	Construction YouTube Channel https://www.youtube.com/channel/UCQSczLjBUv8ZWcf9mluYv-Q/playlists		