



# Constructing the Built Environment

## Unit details

Unit Number	Unit Title	Assessment	GLH	Unit Number
9811	Safety and security in construction	External	30	9811
9812	Practical construction skills	Internal	60	9812
9813	Planning construction projects	Internal	30	9813

## Model answers

In a professional email describe the roles, responsibilities and activities of personnel involved in the realisation of construction projects.

**Example: Ground-worker.**

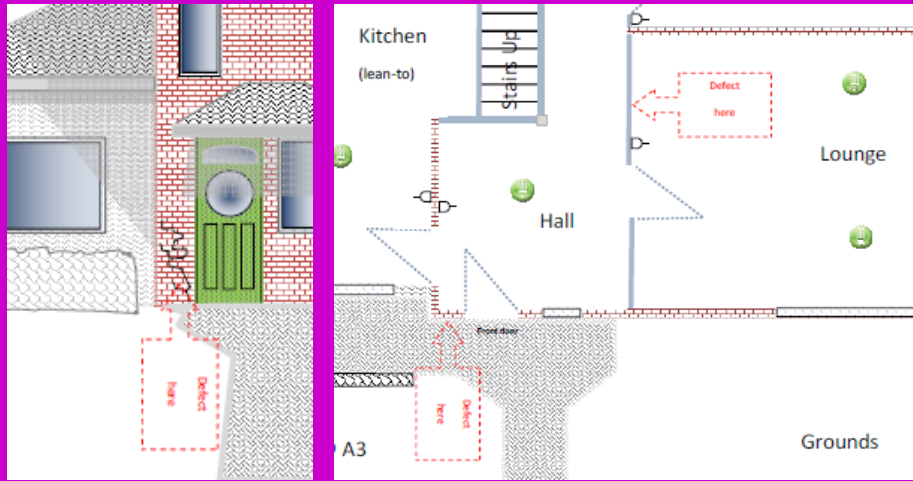
**Activities** Work to Architects plan, mark and cut foundations, laying path and road foundations, laying path and road surfaces, installing curbs to a line, assisting with the construction of service inlets and outlets, installation of drainage covers.

**Roles:** To carry out all substructure and surface work on the construction site. Assist in the installation of services to the building. Use plant and machinery to assist in the movement and construction of materials.

**Responsibilities:** To hold appropriate qualifications and licenses to use plant and machinery. To follow specification drawings and assist in the recording of progress with the site manager.

## Unit 2 Practical Construction Skills

You are tasked with carrying out a repair to a section of a house. You will be required to remove the damaged area and replace and rebuild it to a suitable standard and finish. The task will require planning and official site documentation will need to be used.



## Unit 3 Planning Construction Projects

This unit will involve the planning of a dormitory in Africa. The project will involve you deciding on which professional tradespersons to take to assist in the build. You will then have the opportunity to plan the entire build using construction planning tools.

You will have to prepare a professional email and programme of work along with identifying the roles and responsibilities of those you wish to help with the build. To support this you will need to calculate the total amount of materials required to complete a bill of quantities.

To ensure you pass this unit you will have 30 hours studying the tasks in preparation for completing a 6 hour controlled assessment.

Your writing skills are important in this section of the qualification.



## Construction Legislation

- HASAWA: Health and Safety at Work Act 1974**
- COSHH: Control of Substances Hazardous to Health 2002**
- PUWER: Provision and Use of Work Equipment Regulations 1998**
- PPER: Personal Protective Equipment Regulations 2002**
- RIDDOR: Reporting of Injuries, Disease and Dangerous Occurrences Regulations 1995**
- HAVS: Hand and Arm Vibration Syndrome 2005**
- HSE: Health and Safety Executive**
- WAH: Working at Height Regulation 2005**

## Unit 1 Safety and Security

Learning Outcomes	Assessment Criteria	Knowledge Checklist
LO1 Know health and safety legal requirements for working in the construction industry	AC1.1 Summarise responsibilities of health and safety legislation	
	AC1.2 Identify safety signs used by construction industry	
	AC1.3 Identify fire extinguishers used in different situations	
LO2 Understand risks to health and safety in different situations	AC1.4 Describe role of the Health and Safety Executive	
	AC2.1 Identify hazards to health and safety in different situations	
	AC2.2 Describe potential effects of hazards in different situations	
LO3 Understand how to minimise risks to health and safety	AC2.3 Explain the risk of harm in two different situations	
	AC3.1 Explain existing health and safety control measures in different situations	
LO4 Know how risks to security are minimised in construction	AC3.2 Recommend health and safety control measures in different situations	
	AC4.1 identify risks to security in construction in different situations	
	AC4.2 describe measures used in construction to minimise risk to security	