City & Guilds Level 2 End-point Assessment for Bricklayer (9077-22)

Standard: ST0095
EPA Plan: Version 1.2
QN: 610/4311/4

Version 1.4
Last modified: June 2025

EPA Knowledge Test Amplification

Version and date	Change detail	Section
V1.0 June 2024	First published	All
V1.1 July 2024	Additional guidance on coverage to the following: K1a, K1b, K1d, K1e, K1f, K6a, K6b, K6c, K15, K18a, K18b	
V1.2 July 2024	Additional guidance on coverage to the following: K1c, K1f, K3b,K5, K6a, K6d, K8a, K18a	
V1.3 August 2024	Additional guidance on coverage to the following: K9, K19	
V1.4 June 2025	Title updated	Title

About this Document

Subject area	Construction
City & Guilds number	9077
Age group approved	16-18, 18+, 19+
Assessment	Multiple choice questions
Support materials	This document is to be read in conjunction with the *9077-22 End point assessment pack for Providers and Employers*

This document sets out the content that needs to be taught to prepare for the knowledge test components of the Bricklayer Apprenticeship End-point Assessment.

Contents

1 Assessment

The Apprentice needs to pass the multiple-choice knowledge test (Unit 210) as part of their apprenticeship.

The apprentice will take the test in a suitably controlled environment in the presence of an invigilator. The invigilator may be sourced from the employer but will be approved by City & Guilds and must operate according to the JCQ guidance.

Test specification

Assessment type:	40 Multiple Choice questions delivered online*
Assessment conditions:	Closed book, non-programmable calculator allowed, invigilated examination conditions
Time:	60 minutes
Grading:	X/P/D
Grade boundaries:	Fail 0-24, Pass 25-32, Distinction 33-40 marks

Entry for exams can be made through the City & Guilds Walled Garden and Evolve.

The way the knowledge is covered by each test is laid out in the table below:

Standard ref.	Criteria	No. of questions
K1a	**Awareness of health and safety regulations, standards, and guidance and impact on role.** Control of Substances Hazardous to Health (CoSHH). **Fire safety. Health and Safety at Work Act.** Asbestos awareness. Manual handling. signage, **fire extinguishers.** Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety respiratory protective equipment (RPE), dust suppression.	2
K1b	Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). **Fire safety. Health and Safety at Work Act.** **Asbestos awareness**. Manual handling. **signage, fire extinguishers**. Safety signage. **Situational awareness. Slips, trips, and falls. Working in confined spaces**. Working at height. **Electrical safety**, respiratory protective equipment (RPE), dust suppression.	2
K1c	Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act.	2

Standard ref.	Criteria	No. of questions
	Asbestos awareness. Manual handling. signage, fire extinguishers. **Safety signage**. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.	
K1d	Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, **respiratory protective equipment (RPE), dust suppression**.	1
K1e	Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. **Working at height**. Electrical safety, respiratory protective equipment (RPE), dust suppression.	1
K1f	Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. **Manual handling**. signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.	2
K3a	Safe systems of work: **Site inductions, toolbox talks**, risk assessments, method statements and hazard identification in the work area.	1
K3b	Safe systems of work: Site inductions, toolbox talks, **risk assessments, method statements and hazard identification in the work area**.	2
K5	The importance and considerations of the environment and sustainability: Thermal qualities, airtightness and ventilation in buildings.	1

Standard ref.	Criteria	No. of questions
K6a	Principles of building: **Foundations, roofs, walls**, cavity step trays, **floors**, utilities and services, insulation, fire, moisture and air protection, damp proof courses, the use of brick ties and quality of materials.	3
K6b	Principles of building: Foundations, roofs, walls, cavity step trays, floors, **utilities and services**, insulation, fire, moisture and air protection, damp proof courses, the use of brick ties and quality of materials.	1
K6c	Principles of building: Foundations, roofs, walls, **cavity step trays**, floors, utilities and services, **insulation**, fire, moisture and air protection, **damp proof courses**, the use of **brick ties** and quality of materials.	2
K6d	Principles of building: Foundations, roofs, walls, cavity step trays, floors, utilities and services, insulation, **fire, moisture and air protection**, damp proof courses, the use of brick ties and quality of materials.	1
K7	Standards and regulations associated with bricklaying activities: British standards, building regulations and warranty provider standards.	1
K8a	Materials and their characteristics: **Bricks and blocks, efflorescence, mortar**, damp proof courses (DPC), wall ties, **plasticisers**, concrete and steel lintels, Rolled Steel Joist (RSJ), fire stopping, insulation, **cement and building sand**.	2
K8b	Materials and their characteristics: Bricks and blocks, efflorescence, mortar, **damp proof courses (DPC)**, **wall ties**, plasticisers, concrete and steel lintels, Rolled Steel Joist (RSJ), **fire stopping, insulation**, cement and building sand.	2
K8c	Materials and their characteristics: Bricks and blocks, efflorescence, mortar, damp proof courses (DPC), wall ties, plasticisers, **concrete and steel lintels, Rolled Steel Joist (RSJ)**, fire stopping, insulation, cement and building sand.	1
K9	Modern methods of construction: Rapid build technology, precast components, corner profiles, alternative frame and cladding systems, masonry support systems.	1
K11	Basic principles of digital design and modelling systems.	1
K14	Power tool use and limitations: Disc cutters, mixers and drills.	2
K15	Bond types: English bond, Flemish bond, garden wall bonds and broken bond.	4

Standard ref.	Criteria	No. of questions
K18a	Principles of basic **decorative walling and piers: projecting and contrasting brick**, isolated and attached pier, banding.	2
K18b	Principles of basic decorative walling and piers: projecting and contrasting brick, **isolated and attached pier**, banding.	2
K19	Principles of the use of expansion joints.	1

*These exams are sat under invigilated examination conditions as defined by the JCQ: **http://www.jcq.org.uk/exams-office/ice---instructions-for-conducting-examinations**.

2 Knowledge Content

The content is divided into the standard outcomes sections as given by the employer group in the Assessment Plan and as outlined in the test specification. This document covers **only** the Multiple-Choice Knowledge Test. Information on other assessments can be found in the ***9077-22 EPA Pack for Providers and Employers.***

3 Unit 210 End-point Assessment - Knowledge Test Amplification

Knowledge statement	What needs to be covered

K1a
Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). **Fire safety. Health and Safety at Work Act**.
Asbestos awareness. Manual handling. Signage, **fire extinguishers**. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.
	Health and safety regulations requirements and purpose:
	• Health and Safety at Work Act (HASWA)
	  ○ Follow workplace procedures and systems
	  ○ HSE inspector notices
	  ○ Use equipment and PPE properly
	  ○ Report any issues or risks
	  ○ Keeping self and others safe
	  ○ Employers responsibilities towards employees.
	• Reporting Injuries Diseases and Dangerous Occurrences Regulations (RIDDOR)
	  ○ Report any work-related incidents
	  ○ Provide details for reporting purposes
	  ○ Comply with reporting procedures.
	• Construction, Design and Management (CDM) regulations
	  ○ Take care of own health and safety
	  ○ Be aware of safety of others who may be affected by own actions
	  ○ Report potential safety issues to the employer.
	• Provision and Use of Work Equipment Regulations (PUWER)
	  ○ Use equipment only if trained
	  ○ Report any faulty equipment
	  ○ Follow safety instructions provided.
	• Manual Handling Operations Regulations (MHR)
	  ○ Follow safe lifting techniques
	  ○ Use aids where provided
	  ○ Report unsafe loads or practices.
	• Personal Protective Equipment (PPE) at Work Regulations
	  ○ Use PPE correctly as instructed
	  ○ Help maintain PPE properly
	  ○ Report any defects or issues.
	• Work at Height Regulations (WAHR)
	  ○ Use safety equipment provided
	  ○ Follow training and procedures
	  ○ Do not undertake unsafe practices.
	• Control of Noise at Work Regulations (CNWR)
	  ○ Wear hearing protection when required
	  ○ Follow noise control procedures
	  ○ Report potential issues or over-exposure.

Knowledge statement	What needs to be covered

	• Control of Vibration at Work Regulations (CVWR)
	  ○ Take regular rest breaks from use of vibrating tools
	  ○ Report potential symptoms of vibration exposure
	  ○ Follow control measures implemented.
	• Electricity at Work Regulations (EAWR)
	  ○ Visually check equipment before use
	  ○ Report any defects immediately
	  ○ Follow safe systems of work.
	• Lifting operations and Lifting Equipment Regulations (LOLER)
	  ○ Do not use equipment unless trained
	  ○ Follow safe lifting practices
	  ○ Report any defective equipment.
	Fire safety:
	• Storage of combustible materials
	• Classifications of fire.
	Fire extinguishers:
	• Types
	• Colour coding
	• Rating.

K1b Awareness of health and safety regulations, standards, and guidance and impact on role. **Control of Substances Hazardous to Health (CoSHH)**. Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. Signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.	**Control of Substances Hazardous to Health (CoSHH):** • Understanding of CoSHH regulations • Understanding of procedures listed in CoSHH • Employer and Employee responsibilities under CoSHH • Follow instructions for safe use • Use control measures properly • How substances can have influence on the human body • Report exposure incidents.
K1c Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. Signage, fire extinguishers. **Safety signage**. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.	**Safety signage:** • Shapes • Colours • Mandatory • Hazard/Warning • Recycling • Prohibition • Information • Content.

Knowledge statement	What needs to be covered
K1d Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. Signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, **respiratory protective equipment (RPE)**, **dust suppression**.	**Respiratory protective equipment (RPE):** • Types and classifications of equipment • Minimum requirements • Hazards and considerations of working environment **Dust suppression:** • Control measures.
K1e Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. Manual handling. Signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. **Working at height**. Electrical safety, respiratory protective equipment (RPE), dust suppression.	**Working at Height including safe working practices:** • Ladders • Step Ladders • Hop Up Stools • Scaffold • Prevention of falling – Harnesses, barriers • Responsibilities.
K1f Awareness of health and safety regulations, standards, and guidance and impact on role. Control of Substances Hazardous to Health (CoSHH). Fire safety. Health and Safety at Work Act. Asbestos awareness. **Manual handling**. Signage, fire extinguishers. Safety signage. Situational awareness. Slips, trips, and falls. Working in confined spaces. Working at height. Electrical safety, respiratory protective equipment (RPE), dust suppression.	**Manual handling:** • Recommended weights for lifting • Parts of the body that would be affected by manual handling and potential injuries • Lifting techniques, regulation and processes including mechanical aids.
K3a Safe systems of work: **Site inductions, toolbox talks**, risk assessments, method statements and hazard identification in the work area.	**Site inductions, toolbox talks:** • The content and purpose.

Knowledge statement	What needs to be covered
K3b Safe systems of work: Site inductions, toolbox talks, **risk assessments, method statements and hazard identification in the work area**.	**Risk assessments:** • Purpose • The five steps. **Method statements:** • Purpose • Safe system of work • Risk Assessment Method Statements (RAMS)
K5 The importance and considerations of the environment and sustainability: Thermal qualities, airtightness and ventilation in buildings.	• The thermal integrity of buildings/structures • Thermal qualities of building materials • Waste hierarchy • Conductivity • Performance rates • Thermal transmittance • Environmental considerations • Sustainable materials and method of construction • Embodied energy.
K6a Principles of building: **Foundations, roofs, walls**, cavity step trays, **floors**, utilities and services, insulation, fire, moisture and air protection, damp proof courses, the use of brick ties and quality of materials.	**Foundations components and terminology:** • Raft • Pile • Strip • Stepped • Pad • Insulation. **Roofs components and terminology:** • Traditional cut roof • Truss roof • Insulation. **Walls components and terminology:** • Solid • Cavity • Insulation • R-value **Floors components and terminology:** • Solid • Suspended • Insulation.
K6b Principles of building: Foundations, roofs, walls, cavity step trays, floors, **utilities and services**, insulation, fire, moisture and air protection, damp proof courses, the use of brick ties and quality of materials.	**Utilities and services classification and identification:** • Gas • Electricity • Telecoms • Water.

Knowledge statement	What needs to be covered
K6c Principles of building: Foundations, roofs, walls, **cavity step trays**, floors, utilities and services, **insulation**, fire, moisture and air protection, **damp proof courses**, the use of **brick ties** and quality of materials.	**Cavity step trays regulation and guidance:** • Types and purpose • Components. **Insulation regulation and guidance:** • Types • Purpose • Location. **Damp proof courses regulation and guidance:** • Types • Purpose. **Brick ties regulation and guidance:** • Types • Purpose.
K6d Principles of building: Foundations, roofs, walls, cavity step trays, floors, utilities and services, insulation, **fire, moisture and air protection**, damp proof courses, the use of brick ties and quality of materials.	**Fire, moisture, air protection:** • How to stop the spread • Compartmentalisation • How to expel • How to control • Types of materials and components used.

K7
Standards and regulations associated with bricklaying activities: British standards, building regulations and warranty provider standards.
	Standards:
	• Different types of organisations
	  ○ Local planning
	  ○ Building control
	  ○ HSE
	  ○ NHBC
	  ○ FENSA
	  ○ CITB.
	• Approved documents and their purpose.

K8a
Materials and their characteristics: **Bricks and blocks, efflorescence, mortar**, damp proof courses (DPC), wall ties, **plasticisers**, concrete and steel lintels, Rolled Steel Joist (RSJ), fire stopping, insulation, **cement and building sand**.
	Bricks and blocks uses and application:
	• Brick types
	  ○ Commons
	  ○ Facing
	  ○ Engineering.
	• Block types
	  ○ Aerated
	  ○ Concrete.
	• Purpose
	• Location within buildings
	• Sizes.
	Efflorescence:
	• Cause and identification of.
	Plasticisers:

Knowledge statement	What needs to be covered
	• Purpose and use of. **Mortar, cement and building sand:** • Types • Mix ratios.
K8b Materials and their characteristics: Bricks and blocks, efflorescence, mortar, **damp proof courses (DPC), wall ties**, plasticisers, concrete and steel lintels, Rolled Steel Joist (RSJ), **fire stopping, insulation**, cement and building sand.	**Damp proof courses:** • Type • Purpose • Location within buildings. **Wall ties:** • Wall starters • Reinforcement - expanded metal lath (EML) • Helical ties • Metal (various shapes) • Wall starters • Slip ties • Expansion foam (sealants) • Expanded metal lath (EML) • Purpose of wall ties • Materials they are made of • Location within buildings. **Fire stopping**: • Type • Purpose • Materials • Location within buildings. **Insulation:** • Type • Purpose • Materials • Location within buildings • Installation.
K8c Materials and their characteristics: Bricks and blocks, efflorescence, mortar, damp proof courses (DPC), wall ties, plasticisers, **concrete and steel lintels, Rolled Steel Joist (RSJ),** fire stopping, insulation, cement and building sand.	**Concrete and steel lintels, Rolled Steel Joist (RSJ):** • Type • Purpose • Location within buildings.
K9 Modern methods of construction: Rapid build technology, precast components, corner profiles, alternative frame and cladding systems, masonry support systems.	• Types • Purpose • Uses • Benefits • Limitations.

Knowledge statement	What needs to be covered
K11 Basic principles of digital design and modelling systems.	**The uses of Computer Aided Design (CAD) and Building Information Modelling (BIM):** • Basic understanding of what they do.
K14 Power tool use and limitations: Disc cutters, mixers and drills.	**Limitations:** • Application • Size and type of component • Power supply/type • Dust suppression • PPE requirements • Duration of use • Noise.
K15 Bond types: English bond, Flemish bond, garden wall bonds and broken bond.	**Bond types and ways to maintain them within walling:** • English bond • Flemish bond • Garden wall bonds • Broken bond • Reverse bond • Differences between bond types • 90 degree corners • Reasons for and positioning of broken bond.

K18a
Principles of basic **decorative walling and piers**: **projecting and contrasting brick**, isolated and attached pier, banding.
	Decorative walling processes and procedures:
	• Brick on edge
	• Dentil course including projecting, indented and contrasting bricks
	• Soldier
	• Basket-weave
	• Corbelling
	• Over sailing
	• Special bricks:
	  ○ Squint
	  ○ Bull nose
	  ○ Dogleg
	  ○ Single cant
	  ○ Plinth
	  ○ King closer.

K18b Principles of basic decorative walling and piers: projecting and contrasting brick, **isolated and attached pier**, banding.	**Isolated and attached pier:** • Size limited up to two bricks wide • Bonding arrangements • Capping types • Reinforcements.

Knowledge statement	What needs to be covered
K19 Principles of the use of **expansion joints**.	**Expansion joints:** • Location and purpose • Positioning • Regulation and guidance.

Useful contacts

UK apprentices General qualification information	**E: apprenticesupport@cityandguilds.com**
International apprentices General qualification information	**E: intcg@cityandguilds.com**
Centres Exam entries Certificates Registrations/enrolment Invoices Missing or late exam materials Nominal roll reports Results	**E: centresupport@cityandguilds.com**
Single subject qualifications Exam entries Results Certification Missing or late exam materials Incorrect exam papers Forms request (BB results entry) Exam date and time change	**E: singlesubjects@cityandguilds.com**
International awards Results Entries Enrolments Invoices Missing or late exam materials Nominal roll reports	**E: intops@cityandguilds.com**
Walled Garden Re-issue of password or username Technical problems Entries Results e-assessment Navigation User/menu option Problems	**E: walledgarden@cityandguilds.com**
Employer Employer solutions including Employer Recognition: Endorsement Accreditation and Quality Mark Consultancy Mapping and Specialist Training Delivery	**E: business@cityandguilds.com**

If you have a complaint or any suggestions for improvement about any of the services that we provide email: **feedbackandcomplaints@cityandguilds.com**

About City & Guilds

As the UK's leading vocational education organisation City & Guilds is leading the talent revolution by inspiring people to unlock their potential and develop their skills. We offer over 500 qualifications across 28 industries through 8500 centres worldwide and award around two million certificates every year. City & Guilds is recognised and respected by employers across the world as a sign of quality and exceptional training.

City & Guilds Group

The City & Guilds Group is a leader in global skills development. Our purpose is to help people and organisations to develop their skills for personal and economic growth. Made up of City & Guilds City & Guilds Kineo The Oxford Group and ILM we work with education providers businesses and governments in over 100 countries.

Published by City & Guilds a registered charity established to promote education and training

City & Guilds
5-6 Giltspur Street
London EC1A 9DE
www.cityandguilds.com