

Level 3 Trailblazer Apprenticeship Qualification for Bricklaying

This qualification incorporates units that will be taught-based and competency-based. Taught-based units will be delivered at a training provider and will cover the knowledge, skills and behaviours that are outlined on the apprenticeship standard. Competency-based units will map into the National Occupation Standards (NOS) and the apprenticeship standard's skills and behaviours. The competency-based units will be assessed on site.

Learners who take this qualification will need to complete 11 mandatory units and at least 1 optional unit, as outlined below.

Taught-based indicative content

Mandatory – all of the following units:

Construction principles when bricklaying to include:

- Planning permission
- Building control
- Understanding energy efficiency
- Types of construction methods
- Sectors (industrial, domestic, commercial, private, public, voluntary)
- Building services
- Environmental considerations (recycling, surface water, waste awareness and disposal, sustainable materials)

Communicating and working in the construction industry to include:

- Roles, responsibilities and progression routes
- Planning work activities and efficiencies
- Drawings and documentation, including associated software
- Estimating costs and quantities
- Communication methods and styles
- High quality customer service
- Importance of good relationships with stakeholders (including other trades)

Health and safety to include:

- Manual handling
- PPE
- Regulations (eg HASAWA, RIDDOR, COSHH, PUWER)
- Risk assessments/ method statements
- Working at height
- Signage
- Site procedures (including fire regulations, first aid, induction)
- General welfare (toilets, eating, general public, gates are shut, etc.)

Cavity walls to include:

- Brickwork and blockwork above and below ground
- Finishes (joint finishes)
- Setting out
- Modern methods (thin joint, porotherm, cladding to timber frame)
- Damp proofing, insulation, wall ties, ventilation, trays
- Forming openings, lintels
- Mixing mortar ratios

Solid walls and piers to include:

- Attached/ isolated piers
- Bonding arrangements
- Special bricks
- Weatherproofing (cappings, coping, BOE)

Decorative brickwork to include:

- Reinforced brickwork
- Arches (axed, rough ringed)
- Panels and panel surround
- Curved on plan and battered
- Acute and obtuse angled quoins
- Decorative coursings (recessed, projected and corbelled)

Fireplaces, chimneys and flues to include:

- Trays and flashing
- Chimney stack construction
- Weatherproofing and pots
- Flue liners
- Modern methods (knowledge only)
- Regulations
- Hearths and surrounds

Repairs, maintenance and restoration to include:

- Drainage (systems, partial, combined, separate, gradients) (knowledge only)
- Brick inspection chambers
- Concrete (reinforced, ratios, defects, types, repairs) (knowledge only)
- Common defects in masonry
- Remove and replace existing materials (shoring/ temporary supports, hard landscaping)
- Disc and power cutters

Competency-based indicative content with NOS reference numbers

Qualification maps to VR209, 211 and 641 throughout

Mandatory – all of the following units:

Communication and customer service (VR210)

Set out and erect masonry structures (VR40 and 41)

Set out and erect complex masonry structures (VR48 and 49)

Optional – one of the following units:

Erect masonry cladding (VR42)

Lay and finish concrete (VR45)

Repair and maintain masonry structures (VR50)

Install drainage systems (VR639)