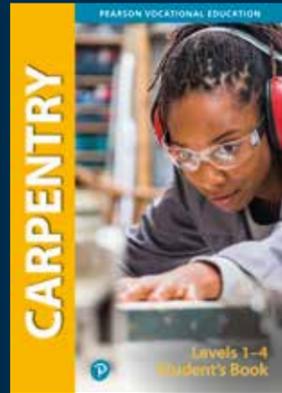


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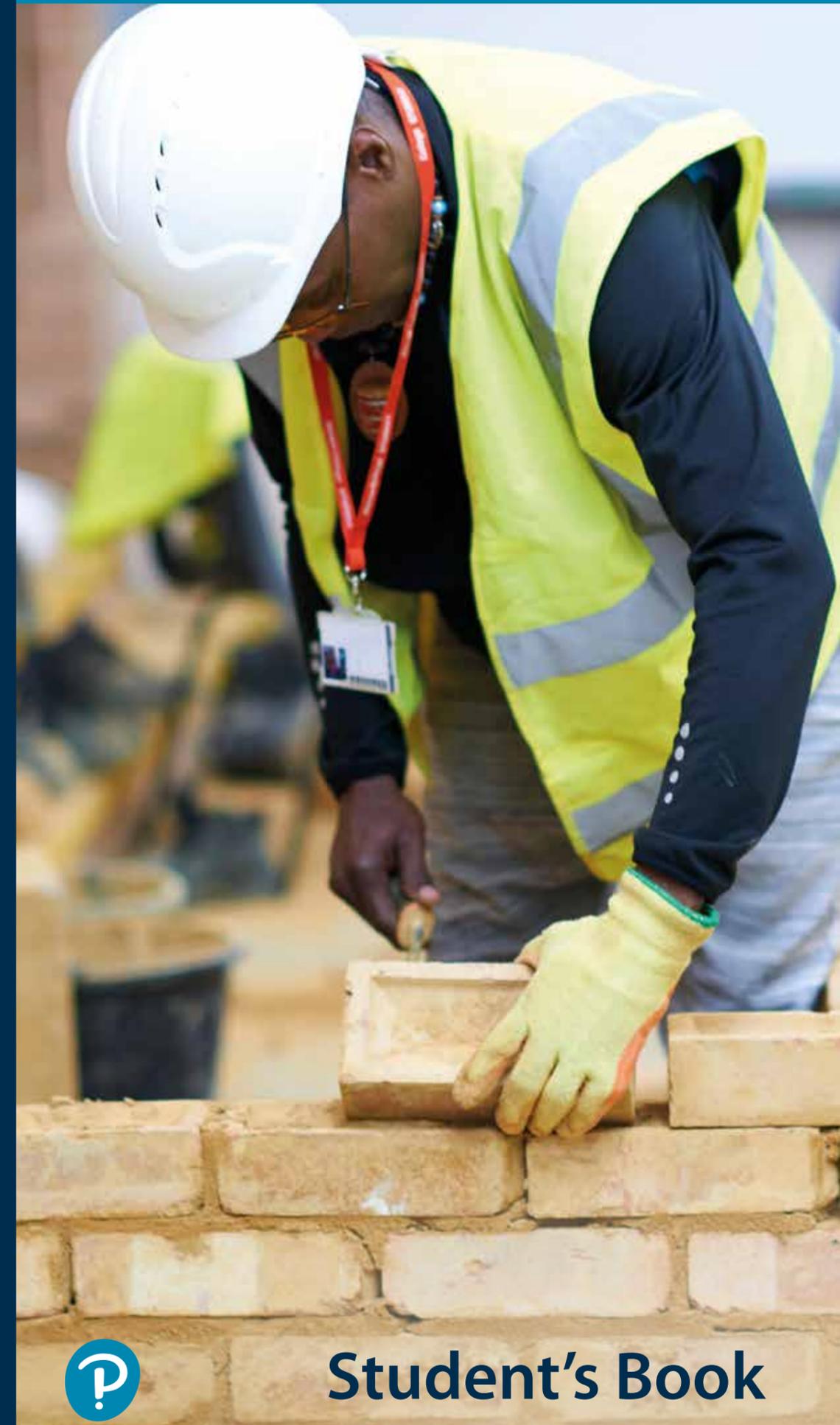
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BRICKLAYING AND PLASTERING



Student's Book

Understanding the contents for Bricklaying and Plastering

The authors have organised the content into logical modules and units, starting from simple concepts and building towards more complex ones. The contents take the student on a journey through the theoretical basics of the Bricklaying and Plastering environment to complex procedures.

Content is presented in everyday language, including step-by-step processes and multiple illustrations and photographs. Students can develop their understanding by completing practical activities, exercises and revision in each unit.

This book includes a comprehensive answer section that covers all the answers to practical activities, exercises and revision.

The publisher can take the modules and units that you choose and make up one book that will suit your needs. Choose any or all of the content below:

Module 1: Plan and prepare for work

- Unit 1.1 Plan and organise construction work
- Unit 1.2 Work in a construction team
- Unit 1.3 Communicate in the bricklaying industry
- Unit 1.4 Develop innovative ideas for the workplace
- Unit 1.5 General construction and building legislation
- Unit 1.6 Building principles

Module 2: Tools and materials

- Unit 2.1 Bricklaying and plastering hand tools
- Unit 2.2 Bricklaying equipment
- Unit 2.3 Properties and uses of materials

Module 3: Scaffolding

- Unit 3.1 Scaffolding and platforms
- Unit 3.2 Ladders
- Unit 3.3 Rope work

Module 4: Building calculations

- Unit 4.1 SI units of measure
- Unit 4.2 Measurement in construction
- Unit 4.3 Estimate construction costs

Module 5: Building drawings

- Unit 5.1 Types and functions of drawings; read and interpret drawings

Module 6: Bricks and blocks

- Unit 6.1 Make bricks and blocks

Module 7: Site work

- Unit 7.1 Setting out and levelling

Module 8: Mortar and concrete

- Unit 8.1 Prepare concrete
- Unit 8.2 Cast, finish and cure concrete
- Unit 8.3 Reinforced concrete work

Module 9: Excavations, foundations and slabs

- Unit 9.1 Set out foundations
- Unit 9.2 Excavate foundations
- Unit 9.3 Slabs

Module 10: Bricklaying and bonding

- Unit 10.1 Carry out levelling using a spirit level and straight edge
- Unit 10.2 Basic bricklaying

Module 11: Walls

- Unit 11.1 Jointing and pointing
- Unit 11.2 Joints and corners in walls
- Unit 11.3 Load and non-load bearing walls
- Unit 11.4 Cavity walls
- Unit 11.5 Multi-thickness walls and piers
- Unit 11.6 Masonry curved walls
- Unit 11.7 Masonry arches
- Unit 11.8 Masonry stairs, steps and wing walls
- Unit 11.9 Corbels and decorative surfaces
- Unit 11.10 Jambs, thresholds and reveals
- Unit 11.11 Lintels and roof ties
- Unit 11.12 Reinforced concrete ring beams
- Unit 11.13 Fireplaces and chimneys

Module 12: Window and door frames

- Unit 12.1 Install door and window frames

Module 13: Finishes

- Unit 13.1 Plastering walls
- Unit 13.2 Plastering ceilings with gypsum
- Unit 13.3 Advanced plastering and rendering techniques
- Unit 13.4 Laying floor screeds
- Unit 13.5 Tiling
- Unit 13.6 Decorative finishes
- Unit 13.7 Decorative brickwork
- Unit 13.8 Cladding
- Unit 13.9 Painting

Module 14: Drainage

- Unit 14.1 Masonry drainage structures
- Unit 14.2 Subsoil and combined drainage systems
- Unit 14.3 Rainwater systems

Module 15: Paving

- Unit 15.1 Lay paving
- Unit 15.2 Pavements and walkways

Module 16: Lay stone

- Unit 16.1 Lay stone

Module 17: Renovations

- Unit 17.1 Renovation and restoration methods
- Unit 17.2 Demolition
- Unit 17.3 Alterations to floors and walls
- Unit 17.4 Repair defects
- Unit 17.5 Reconstruct structures and restore surfaces