

# National Apprenticeship - Occupational Profile

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## Craft Occupation

Stonecutting and Stonemasonry

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## Industry Served

Stone Extraction and Processing, Stonecutting, Conservation and Restoration

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## Profile of Craft

The work of an Stonecutter is wide and varied.

It encompasses a range of skills, from the extraction and processing of stone to carving, restoration and monumental work.

As a result, Stonecutting Craftpersons work in a cross-section of domains within the overall craft, such as:

- Extracting and cutting stone with hand tools and stonecutting machinery
- Stonecutting, stone finishing, monumental stone engraving,
- Stone carving, decorating and restoring stone
- Mechanical fixing, coping stones for piers, conservation and restoration of stone

At the end of the apprenticeship the Craftsperson will be able to demonstrate competence in the following:

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## Core Skills

- Characteristics and qualities of stone
  - Sources and suppliers of stone
  - Selecting and matching of stone
  - Lifting stone
  - Handling, packing and storing stone
  - Presentation of stone
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## Specialist Skills

Extracting and Processing

- Stone blocks (extraction)
- Primary cutting (block to slab)
- Secondary cutting (cut to specification)
- Splitting stone
- Finishing

Engraving and Carving

- Funerary products
  - Letter-cutting techniques
  - Modelling
  - Carving
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## Specialist Skills (cont'd.)

### Architectural Work

- Principles and procedures of conservation and restoration
- Surveying and recording stonework
- Interventions
- Cleaning methodologies
- Walling
- Lime mortars
- Restoring stonework

### Fixing

- Fixing cladding, interior and exterior stone
- Laying stone tiles and granite flagstones
- Stone faced pre-cast products

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## Common Skills

- Site safety
- Personal protective equipment (PPE)
- Workplace safety (dust and blades)
- Care of tools
- Interpreting drawings
- Maths/calculations (weights, areas, volume, etc.)
- Costing/estimating
- Scheduling/planning work
- Environmental care
- Waste management
- Terminology and styles of architecture
- IT skills/basic CAD

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## Personal Skills

- Customer relations
- Communication skills
- Ability to work as a team member
- Information gathering skills
- Problems solving skills

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**NOTE: Integrated curriculum includes maths, science and theory**

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