GROUNDWORKER APPRENTICESHIP LEVEL 2

EMPLOYER TRAINING & APPRENTICESHIPS

For new or existing staff

Qualification

Groundworker Apprenticeship Standard Level 2

Completers may want to progress to
Surveying Technician Apprenticeship Standard Level 3

Groundworkers are the first trade onto a construction and civil engineering site and they work closely with supervisors and engineers in interpreting design specifications to prepare the site ready for the structural building works to take place. They continue their work throughout the construction phase, working with all on-site construction trades, such as bricklayers and plant operatives, up to and including the final completion activities of the project. Their work includes setting out and preparing the sub-surfaces ready for the structural work to begin, installing drainage systems, concreting, constructing roads and pathways and carrying out the finished hard landscaping.

Delivery model and duration:
Apprentices will attend college on block release. Theory lessons will be reinforced in the workplace and practical skills will be practiced and enhanced in college and the workplace. This can be supported by some remote delivery if required.
Duration: 18 months plus End Point Assessment

Entry Criteria:
- GCSEs in English and maths at grade 9-1 or A-G

The apprenticeship will cover the following core areas:
- Health and safety
- Accessing and interpreting drawings and specifications
- Using and maintaining power tools and equipment
- Installing and testing basic drainage and ducting
- Gauging and mixing mortars and concrete by hand and by mixer
- Forming and reinstating excavations and surfaces to sub-grades, sub-bases and roads

Benefits to business:
- Nurture loyal and competent members of staff
- Upskill existing members of staff
- Gain employees who have the relevant knowledge and skills to succeed in their role

Benefits for learners:
- Receive training from experts with years of industry experience
- Gain a nationally recognised qualification
- Become occupationally competent
- Advance career aspirations

Ideal for:
- Individuals seeking a career in the construction trade
- Existing employees wishing to upskill

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Gloucestershire College

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End Point Assessment

The End Point Assessment will test the entire Standard, and be undertaken as follows:

- Knowledge Test (multiple choice paper)
- Skills Test
- Professional Discussion

Components

- Training to develop the occupation standard's knowledge, skills and behaviours
- Development of portfolio of completed work
- English and Mathematics qualifications completed in line with the apprenticeship funding rules.

Knowledge

The principles of health, safety, welfare and environmentally responsible work practices and how they must be applied in relation to the work, self and to others including understanding the principles of risk assessments

Basic awareness of environmental and health hazards e.g. Japanese knotweed, asbestos. How to identify contaminated ground conditions and the procedures for working safely on it.

Basic principles of Building Information Modelling (BIM), drawings, method statements, manufacturers' information, work schedules and specifications

Technology including key factors and systems of work appropriate to different work environments and industry sectors (e.g. civil engineering, private residential, commercial)

The differences between modern and traditional construction methods and the physical and environmental factors when undertaking construction work and their potential impacts

The techniques to handle and move loads manually and with mechanical aids including guiding the movement of articulated vehicles, plant and machinery using hand signals, hand signalling equipment and verbal/electronic communication equipment and storing resources safely and securely

Why, when and how health and safety control equipment should be used when undertaking groundworks (e.g. personal protective equipment (PPE)

The principles and methods of working within confined space work

Erecting and dismantling access/working platforms

Establishing work area protection

Locating and excavating to expose buried utility services

Providing temporary works including excavation support

The basic principles of internal/external drainage and ducting systems

Measuring, marking, cutting and installing geo membranes to stabilise soil

Gauging, mixing, placing, compacting and finishing mortars and concrete by hand and by mixer

Reinstating excavations and ground surface finishes including installing street ironworks

Skills

Working safely and securely in compliance with given information, organisational policies and procedures, and current health, safety and welfare legislation including following the procedures for working in contaminated ground.

Conforming with productive working practices and completing the work in accordance with the programme of work

Interpreting and following verbal and written work instructions from supervisors and site managers

Accessing, interpreting and using drawings and specifications

Selecting the required resources including tools and fixtures

Moving, handling and storing resources complying with relevant legislation & guidance

Using and maintaining power tools and equipment (including;. compactor plates, boning rods, portable power tools, levels, straight edges, lines, pins and laser equipment)

Gauging and mixing mortars and concrete by hand and by mixer

Selecting and using basic setting out equipment including tape measures, levels, straight edges, lines and pins, boning rods and laser equipment under guidance of the supervisor

Installing, maintaining and removing temporary protection and safety arrangements for the work area relating to barriers and temporary structures, including protection, safety notices and safety lighting

Installing and testing basic drainage and ducting

Measuring, marking, cutting and installing geo-membranes to stabilise soil for re-instatement and excavations

Transporting and placing, then compacting and finishing concrete to slabs/bases, footing oversights, paths, form slab edgings including positioning reinforcement and kerbs

Setting out and laying flags, paviours and edging to paths, driveways and other areas

Installing ironworks relating to access covers and frames, and gully grates and frames including preparatory brickwork

Locating and excavating to expose buried utility services using electronic location instruments.

Providing and removing temporary works including shallow excavation support (up to 1.2 metres)

Forming and reinstating excavations and surfaces to sub-grades, sub-bases and road bases

Preparing to, then directing and guiding the movement of vehicles, plant or machinery

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