

**Groundworker: Standard ref: ST0513 18-week programme**  
**Framework**  
**delivery model**

Subject	No. of weeks	Content
<b>Pre-arrival, L1 to be completed prior to college enrolment</b>		
Functional skills	–	Induction L1/L2 Literacy L1/L2 Numeracy
<b>Block 1: 2 weeks</b>		
Health and safety principles 1	1	Hangar induction; OneFile induction; study skills; HSW basics (HASAWA, WHR, asbestos, manual handling, noise and vibration, fire awareness, COSHH); PPE/RPE; RAMS; occupational health; abrasive wheels; towers; confined space 1; small tools/equipment; storage principles
Construction theory 1	1	Methods of communication; confined space 2; accident reporting/near misses; site inductions and meetings; signs and signage; ERR; problem solving theory
Remote, independent and work-based learning	–	Levelling up of functional skills; levelling up of study skills; weekly completion of site diary; regular performance review with employer
<b>Block 2: 4 weeks</b>		
Levelling and setting out (LSO)	1	Instruments, terminology and techniques in LSO; LSO practices, including measurement, marking, levels, depths, heights and angles
Concrete 1	1	Introduction to concrete and concreting practices; concrete testing principles; ground preparation; geomembrane
Drainage 1	1	Introduction to drainage and drainage practices; basic drain and duct laying
Construction theory 2	1	Building information modelling (BIM); schedules; specifications; programmes; quantities; drawings
Remote, independent and work-based learning	–	Weekly completion of site diary; regular performance review with employer
<b>Block 3: 4 weeks</b>		
Brickwork	1	Brickwork principles; gauging and mixing; chambers; gullies; risers; bedding covers and gratings to line and level
Working area protection	1	Locating services; symbols and indicators; locating,

		tracing and plotting onto drawing; basic site protection; signage, lighting and guarding
<b>Excavation</b>	1	Contaminated ground and environmental hazards; shallow trench; speed shore; grip shore and box; excavation equipment; plant marshalling and use of simulators
<b>Construction theory 3</b>	1	Traditional and modern construction/civil engineering methods; environmental factors; technology; systems of work in various industry sectors
<b>Remote, independent and work-based learning</b>	–	Weekly completion of site diary; regular performance review with employer
<b>Block 4: 4 weeks</b>		
<b>Kerb laying and block paving 1</b>	1	Setting out driveways; laying kerbs using vacuum equipment; controlling plant movement; laying flags; preparing and laying block pavements to pattern and falls
<b>Concrete 2</b>	1	Foundations; pads; reinforcement
<b>Drainage 2</b>	1	Laying drainage to gradients; components to line and level; air and water testing
<b>Health and safety principles 2</b>	1	Regulation and legislation; analysis of behavioural aspects
<b>Remote, independent and work-based learning</b>	–	Weekly completion of site diary; regular performance review with employer
<b>Block 5: 4 weeks</b>		
<b>Concrete 3</b>	1	Practical applications; project work
<b>Drainage 3</b>	1	Practical applications; project work
<b>Kerb laying and block paving 2</b>	1	Laterals; kerb and edging; practical applications; project work
<b>Preparation and recap for assessments; Enrichment</b>	1	Recap, practice and preparation; enrichment activities (higher study)