

Domestic Retrofit Maps

How to use these maps

These maps show different job paths in the retrofit sector. They also show training for people who are new to this work or want to learn more about domestic retrofitting. Each job sector is divided into areas for skills training.

A key shows which courses are available for people living in the West of England. These maps are part of a group of Skills Connect resources, which include:

- [Retrofit Careers Insights](#)
- [Speak to an Advisor](#)
- [A Training Directory](#)

Contents

Construction and Trade Pathways into Retrofit.....	Pages 2-8
• Multi-skills trades	2
• Bricklaying, stonemasonry, groundwork	3
• Carpentry and joinery, plastering	4
• Scaffolding, welding	5
• Energy Efficiency and Energy Management	6
• Further Domestic Retrofit	7
• Insulation and Building Treatment	8

Construction and Trades Pathway


Multi Skills Route


(combined training in areas such as bricklaying, plastering, carpentry etc)

Entry Level	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6-7
<p>Entry: SWAP Construction Length: 2 weeks Eligibility: None</p>	<p>Level 1 BTEC Certificate in Construction Length: 10 days Eligibility: None</p>	<p>Level 2 – BTEC Certificate in Construction (trade focus) Length: 8 weeks Eligibility: 19+ years old and 4x GCSEs (Grade 3+) including Maths and English</p>	<p>T Level 3 in following: - Design, Surveying and Planning for Construction - Engineering, Manufacturing, Processing and Control - Maintenance, Installation and Repair for Engineering and Manufacturing Length: 2 years Eligibility: 16-18 year olds, 4-5x GCSEs (grades 4+) including English and Maths</p>	<p>Level 4 Apprenticeship – Construction Site Supervision Length: 3-4 years Eligibility: level 2 (GCSE 4/C) in English and Maths or a relevant level 2 apprenticeship</p>	<p>Level 5 HNC/HND Construction and Built Environment Length: 1 year Eligibility: varies (UCAS points)</p>	<p>Level 6 NVQ Diploma in Construction Site Management Length: 1 year Eligibility: varies (UCAS points)</p>
<p>Entry: Bootcamps (various e.g. Plant Bootcamp) Length: Weeks Eligibility: 19+</p>	<p>Level 1 Diploma in Construction Skills Length: 1 year Eligibility: GCSE (grade 1+) in English and Maths.</p>	<p>Level 2 - Construction Skills Length: 1 year Eligibility: 4 x GCSEs (Grade 3+) including Maths and English</p>	<p>T Level 3 in Building Services Engineering for Construction Length: 2 years Eligibility: 16-18 year olds, 4-5x GCSEs (grades 4+) including English and Maths</p>	<p>Level 4 HNC Construction Site Management Length: 1 year Eligibility: varies (UCAS points or level 2 qualifications grades 4/C</p>		<p>Level 6 Apprenticeship – Chartered Surveyor Length: 5 years Eligibility: 2x A levels or a HNC in Construction.</p>
<p>Entry: Foundation Construction Skills Length: 1 year Eligibility: GCSE English and Maths (Grade 2+)</p>	<p>Level 1 - 'She Builds' Construction Skills Length: 1 year (part-time) Eligibility: For female learners of all ages.</p>	<p>Level 2 – Property Maintenance Operative Length: 15 months Eligibility: level 2 English and Maths (GCSE 4/C)</p>		<p>Level 4 HNC Quantity Surveying BTEC Length: 1 year Eligibility: varies (UCAS points or level 2 qualifications grades 4/C</p>		<p>Level 7 Apprenticeship – Chartered Town Planner Length: 4 years Eligibility: Graduates, or relevant level 3 and experience.</p>
	<p>Level 1 – Construction Multi Trades Length: 1 year Eligibility: 16-18 years old. 3x GCSEs (Grade 2) including Maths and English</p>		<p>Level 3 – Facilities Management Supervisor Length: unknown Eligibility: level 2 (GCSE 4/C) in English and Maths</p>	<p>Level 4 Apprenticeship Construction Management Site Supervision Length: 1 year Eligibility: GCSE English Language grade C/4 and GCSE Maths grade B/5.</p>		
			<p>Level 3 Apprenticeship Building Services Engineering Technician Length: 3 years Eligibility: Level 2 (grade 4+) in English and Maths</p>	<p>Level 4 Apprenticeship Building Services Engineering Senior Technician Length: 1 year Eligibility: GCSE English Language grade C/4 and GCSE Maths grade B/5.</p>		
			<p>Level 3 BTEC Diploma in Building Services Engineering Length: 3 years Eligibility: Level 3 Building Services or other relevant Level 3 or industry experience.</p>			

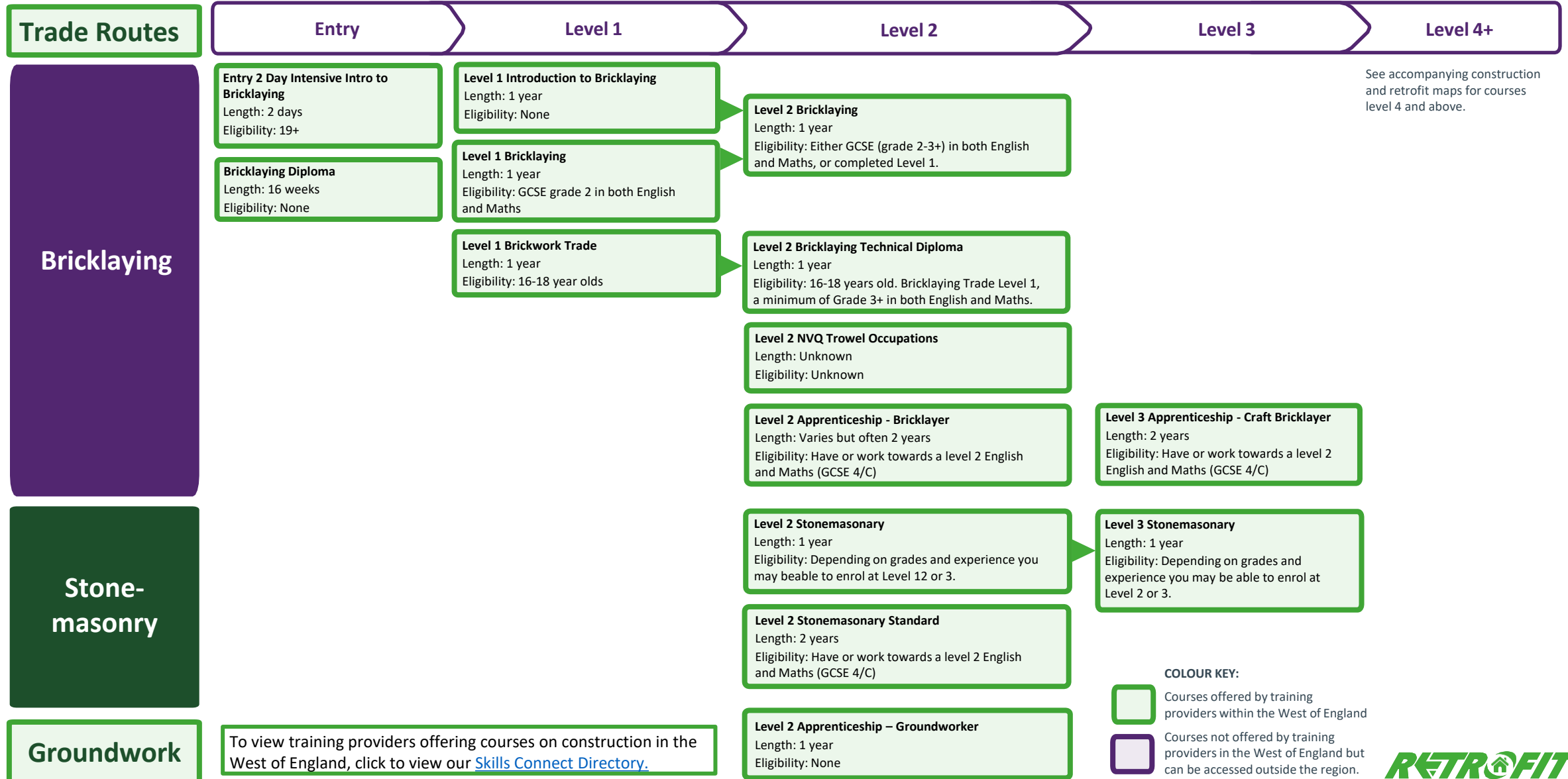
To view training providers offering courses on construction in the West of England, click to view our [Skills Connect Directory](#).

COLOUR KEY:



 Courses offered by training providers within the West of England

 Courses not offered by training providers in the West of England but can be accessed outside the region.

Construction and Trades Pathway



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Construction and Trades Pathway

Trade Routes

Entry

Level 1

Level 2

Level 3

Level 4+

Carpentry and Joinery

Entry: 2 Day Intensive Intro to Carpentry

Length: 2 days
Eligibility: None

Entry: Carpentry Construction Skills Certificate

Length: Weeks
Eligibility: None

Carpentry Taster

Length: 6 weeks
Eligibility: 19+

Level 1 Carpentry and Joinery Diploma

Length: 1 year
Eligibility: GCSE grade 3 in both English and Maths

Level 1 Carpentry Trade

Length: 1 year
Eligibility: 16-18 years old

Level 2 Site Carpentry

Length: 1 year
Eligibility: GCSE grades 3-4 in both English and Maths. Ideally completed Level 1.

Level 2 Site Carpentry Technical Diploma

Length: 1 year
Eligibility: 16-18 years old. Carpentry Trade level 1, and Grade 3 or above in both English and maths.

Level 2 Apprenticeship - Site Carpentry

Length: Varies (15months – 2 years)
Eligibility: Either a qualifying Level 1 qualification or 5x GCSEs (grade 2+ and two at grade 4+)

Level 2 Apprenticeship in Carpentry & Joinery

Length: 2 years
Eligibility: Have or work towards a Level 1 in maths and English

Level 3 Apprenticeship - Site Carpentry

Length: 15months
Eligibility: Level 2 Carpentry and Joinery Apprenticeship

Level 3 Apprenticeships Craft Carpentry and Joinery

Length: 2 years
Eligibility: Completed Level 2 Apprenticeship and GCSE grade 2 in both English and Maths.

See accompanying construction and retrofit maps for courses level 4 and above.

Plastering

Entry 2 Day Intensive Intro to Plastering

Length: 2 days
Eligibility: None

Plastering Diploma

Length: 16 weeks
Eligibility: None

Level 1 Plastering Trade

Length: 1 year
Eligibility: 16-18

Level 1 Plastering

Length: 1 year
Eligibility: GCSE grade 2 in both English and Maths.

Plastering Technical

Length: 1 year
Eligibility: 16-18 years old. Plastering Trade Level 1 and a Grade 3+ in both English and Maths

Level 2 Plastering


Length: 1 year
Eligibility: GCSE grade 2-3+ in both English and Maths. Ideally level 1 or demonstrable knowledge.


Level 2 Apprenticeship - Plasterer

Length: Unknown
Eligibility: Unknown

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Construction and Trades Pathways

Trade Routes

Scaffolding

Welding

Plumbing and Heating

Electrical

Level 1

Level 2

Level 3+

Level 1 MAG Welding Skills Award
Length: 8 weeks
Eligibility: none

Level 1 MMA Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 1 TIG Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 2 Apprenticeship – Scaffolder
Length: 18 months
Eligibility: A minimum of five GCSEs at grade 9-2 with at least two at grade 4, or a qualifying Level 1 qualification.

Level 2 MAG Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 2 MMA Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 2 TIG Welding Skills Award
Length: Unknown
Eligibility: Unknown



Level 2 TIG Aluminium Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 2 Oxy-Acetylene Welding Skills Award
Length: Unknown
Eligibility: Unknown

Level 2 Apprenticeship – General Welder
Length: 18 months
Eligibility: To have or work towards a Level 2 in English and Maths

See accompanying construction and retrofit maps for courses level 3 and above.

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See separate Retrofit maps for full details.

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Construction and Trades Pathways into Retrofit

Energy Efficiency

Entry

Level 1 Award in Energy Efficiency and Sustainability
Length: 3 weeks
Eligibility: None

Introduction to Domestic Energy Assessment (online)
Length: Self-paced
Eligibility: None

Level 2

Level 2 LCL Award Certificate in the Principles of Metering for Renewable Heat Installations
Length: 1 day
Eligibility: None

Level 2 Apprenticeship in Dual Fuel Smart Meter Installer
Length: 14 months
Eligibility: GCSE English and Maths

Level 2 LCL Award Diploma in Smart Metering
Length: 1 year
Eligibility: Working for an energy supplier

Level 3

Level 3 Apprenticeship in Smart Home Technician Metering
Length: 21 months
Eligibility: Relevant employment GCSE English and Maths

Level 3 Apprenticeship Smart Home Technician
Length: 1.5 years
Eligibility: GCSE English and Maths

Level 3 Energy Efficiency (Part L) Training Course
Length: 1 day
Eligibility: Experienced installers and/or design engineers.

Level 3 Certificate in Domestic on Construction Energy Assessment (online)
Length: 4 days
Eligibility: 18+

Level 3 ABBE Award in Domestic Energy Assessment (online)
Length: 5 days
Eligibility: None

Level 3 C&G Certificate in Domestic Energy Assessment (online)
Length: 5 days
Eligibility: None

Level 3 Certificate in Surveying and Calculation of Building Heat Loss
Length: 3 days
Eligibility: None

Level 3 Award in Energy Efficiency for Older and Traditional Buildings
Length: Usually 2 days (online)
Eligibility: Working within an energy assessment role

To view training providers offering courses on energy efficiency in the West of England, click to view our [Skills Connect Directory](#).

Level 1

Level 2

Level 3

Level 2 in Understanding Carbon Awareness and Energy Management
Length: 1 day
Eligibility: None

Level 3 in Energy Awareness (online)
Length: 20 hours self-paced
Eligibility: None



Level 1 Certificate in Energy Management Essentials
Length: 60 hours
Eligibility: GCSE English and Maths or equivalent and experience using Microsoft Excel

Level 2 Energy Management Professional
Length: 200 hours
Eligibility: 2+ years' relevant experience or completion of the Level 1 Certificate in Energy Management Essentials

Continuous Professional Development (CPD) short courses in energy efficiency/management include:

Metering Monitoring
Energy Auditing and Report Writing

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Energy Management

Domestic Retrofit (Construction) Pathway

These are some (not all) of the courses available for professionals to train in areas of domestic retrofit.

Further Domestic Retrofit

Informal	Level 1-2	Level 3	Level 4-5			
	General Retrofit	Retrofit Advisor	Domestic / Retrofit Energy Assessor			
			Retrofit Designer			
			Retrofit Coordinator			
<div>Retrofit 101 (online) Length: 2 hours Eligibility: None and it's free</div>	<div>Level 2 Award Understanding Domestic Retrofit (online) Length: 30hours (self-paced) Eligibility: None</div>	<div>Level 3 Certificate in Domestic Retrofit Advice Length: 30 hours (online) Eligibility: 18+ years</div>	<div>Level 3 Award in Domestic Energy Assessment Length: Days-Weeks depending on the course Eligibility: No previous qualifications or experience required</div>	<div>Skills Bootcamp – L4 Award in Domestic Retrofit Assessment Length: Usually 60 hours across 10 weeks (online) Eligibility: Level 3 Domestic Energy Assessor qualification (if you do not have this already there are combined courses available).</div>	<div>Level 4-5 Retrofit Designer Course Length: 80 hours Eligibility: Either Qualified and practising as a Retrofit Coordinator OR Qualified in architecture, architectural technology, surveying or construction management with experience in using design software.</div>	<div>Level 5 CarbonLite Retrofit Coordination (online) Length: 105 self-paced hours and 2 days live online tutoring. Eligibility: AECB membership, familiar with retrofit projects.</div>
<div>PAS 2030 Standard Awareness (online) Length: 2 days Eligibility: None</div>	<div>Level 2 Award Introduction to Domestic Renewable Low Carbon Technologies (online) Length: 1-2 days Eligibility: basic literacy and numeracy</div>	<div>Level 3 Certificate in Retrofit Length: 20 weeks Eligibility: None but interest in Retrofit Advice is valuable and relevant.</div>	<div>Level 3 Certificate for Retrofit Assessors Length: Days-Weeks depending on the course Eligibility: A Domestic Energy Assessment Qualification</div>	<div>Level 4 Award in Domestic Retrofit Assessment Length: 80 hours Eligibility: Level 3 Domestic Energy Assessment</div>	<div>L5 Diploma in Retrofit Coordination and Risk Management Length: 145hours self-paced (online/in-person) Eligibility: Usually 2years experience in built environment or a relevant level 3 qualification.</div>	<div>L5 Diploma in Retrofit Coordination and Risk Management Length: 103 hours across 13 weeks Eligibility: A level 3 qualification in a built environment</div>
<div>CarbonLite Retrofit Foundation Course (online) Length: 2 days Eligibility: None</div>	<div>Level 2 Retrofit Skills (mix of online and in-person) Length: Self-paced Eligibility: 1 year work experience in Construction</div>					
<div>Domestic Retrofit (online) Length: 3 hours Eligibility: None</div>	<div>Level 2 Certificate in Retrofit Length: 20 weeks Eligibility: None but experience in Construction is helpful</div>					
<div>Retrofit Delivery (online) Length: 4 x 3 hour sessions Eligibility: Tailored for contractors, installers, coordinators, assessors and design professionals.</div>	<div>Level 2 Award for Green Ambassador within the Retrofit Sector (online) Length: 8-10 weeks Eligibility: Practical experience in the retrofit sector.</div>					
<div>Understanding Building Physics (online) Length: 10-12 hours across 5 weeks Eligibility: None</div>	<div>Level 2 C&G Award in Retrofit Length: 3 days part-time Eligibility: None</div>			<div>Level 4 Award in Assessing Domestic Dwellings for Retrofit Length: 80 hours Eligibility: Qualified Domestic Energy Assessor</div>		
<div>Understanding Non-Domestic Retrofit Length: 15 hours Eligibility: None</div>						

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Insulation & Building Treatment

Entry	Level 2		Level 3
Cold Roof Insulation Length: Self-paced Online (hours) Eligibility: None	Level 2 Award in Introduction to External Wall Insulation Length: Self paced (online) Eligibility: None	Level 2 Award in recognising damp, mould, and condensation in buildings Length: unknown Eligibility: unknown	Level 3 NVQ Thermal Insulation Length: unknown Eligibility: unknown
Warm Roof Insulation Length: Self-paced Online (hours) Eligibility: None	Level 2 NVQ Thermal Insulation in either - Fabricate Protection or Fit Protection Length: unknown Eligibility: unknown	Level 2 NVQ Internal Insulation Length: unknown Eligibility: unknown	
Underfloor Insulation Length: Self-paced Online (hours) Eligibility: None	Level 2 NVQ Cold Roof Insulation Length: unknown Eligibility: unknown	Level 2 NVQ Cavity Wall Insulation Length: unknown Eligibility: unknown	
Introduction to Insulation Length: Self-paced Online (hours) Eligibility: None	Level 2 NVQ Warm Roof Insulation Length: unknown Eligibility: unknown	Level 2 NVQ in Insulation and Building Treatments Length: 10 hours (online) Eligibility: Level 2 qualification in fitting relevant measures.	
Working Safely in Lofts Length: Self-paced Online (hours) Eligibility: None			
Draught Proofing Length: Self-paced Online (hours) Eligibility: None			

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