

Plumbing NVQ mapping to Level 3

From	To
<ul style="list-style-type: none"> 501/1752/X Level 2 NVQ Diploma in Plumbing and Heating 600/6726/3 Level 2 Diploma in Plumbing and Heating 	<ul style="list-style-type: none"> EAL Building Services Engineering (Level 3) – Plumbing and Heating C00/4278/7

All learners being considered for RPL must have had a skills scan by a relevant member of staff to determine if they still have the relevant knowledge and skills from the qualification achieved, they could have achieved the qualification several years ago and had limited contact in the plumbing industry and their knowledge may have diminished, therefore the skills scan may identify further areas that need additional learning.

All the assessments in EAL Building Services Engineering (Level 3) – Plumbing and Heating C00/4278/7 need to be completed regardless of the level of prior achievement and learning attained.

Any decisions made need to be kept and used as part of the ongoing quality assurance process and available on request from the EAL EQA.

Other Awarding Organisations Qualifications can be used as RPL, Centres should contact the EAL EQA for the latest guidance.

Important note:

Please be reminded this information is for guidance purposes only and any decision you reach must have evidence to support it.

QW Level 3 Unit number and title	Learning outcome	501/1752/X Level 2 NVQ Diploma in Plumbing and Heating	600/6726/3 Level 2 Diploma in Plumbing and Heating
Unit 301: Understanding Building Services Engineering Practice in Wales	1. Know the relevant trade bodies and organisations within the building services engineering sector	Red	Red
	2. Understand connected practice in construction and building services engineering	Red	Red
	3. Know the changing construction and built environment sector	Red	Red
	4. Know the changes in building services engineering materials, tools, and techniques over time	Red	Red
	5. Understand the relationship between trades and the environment	Red	Red
Unit 302: Working in The Building Services Engineering Sector in Wales	1. Understand the built environment in Wales	Red	Red
	2. Understand how to work effectively with others	Red	Red
Unit 304 Planning and Evaluating Work in the Building Services Engineering Sector in Wales	1. Plan the work required to complete the task(s)	Red	Red
	2. Evaluate the work completed against the task brief and success criteria	Red	Red
Unit 303: Understand Health and Safety and Environmental Legislation in The Building Services Engineering Sector	Understand appropriate industry standards and regulations	Amber	Amber
	Know your responsibilities in accordance with organisational procedures	Green	Amber
	Understand the application, advantages, and limitations of different working practices	Red	Red
	Know how to recognise materials and substances that can potentially be harmful	Green	Amber
	Understand the documentation associated with the organisational procedures' requirements	Green	Green

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	Understand the organisational procedures for dealing with the presence of harmful materials and substances	Green	Yellow
	Know where and how to locate relevant health and safety information needed to complete the installation and/or maintenance activity in accordance with organisational procedures	Red	Red
	Know what constitutes a hazard or risk	Yellow	Red
	Understand the methods for handling of hazardous materials and substances in accordance with organisational procedures	Green	Green
	<p>Understand the organisational procedures, suppliers' and manufacturers' instructions for safe use, maintenance, handling, transport, and storage of:</p> <ul style="list-style-type: none"> • tools, plant, and access equipment • equipment and components • materials and substances 	Green	Green
	Understand the warning signs for hazardous materials and substances	Green	Green
	<p>Understand the methods for the safe transport and/or disposal of waste material, substances, and liquids in accordance with:</p> <ul style="list-style-type: none"> • organisational procedures • suppliers' and manufacturers' instructions 	Red	Red
	Understand the organisational procedures relevant to reporting issues	Red	Red

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Unit 306PH: Understand Core Plumbing and Heating Systems	Understand the appropriate industry standards and regulations relevant to <ul style="list-style-type: none"> • decommissioning • installing and testing of plumbing and heating systems		
	Understand how to verify that job information and documentation is current and relevant and that the plant, instruments, access equipment and tools are fit for purpose		
	Understand how to produce a risk assessment and method statement for the work to be carried out, including the identification and use of personal protective equipment, in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the conditions of the working environment 		
	Understand the procedures for confirming, before work starts, that the work location and work area can be accessed safely and has been checked for the risk to other personnel on the site, and for taking appropriate action if a risk is present		
	Understand the methods for the safe transport and/or disposal of waste materials, substances and liquids in accordance with suppliers' and manufacturers' instructions		
	Understand the methods for determining that the appliances, components and accessories are fit for purpose		

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	Understand the methods and techniques for inspecting and pre-commissioning the plumbing and heating system in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions • the appropriate testing procedures for confirming the systems' integrity 	Red	Red
	Understand how to complete relevant documentation	Red	Red
	Understand the methods and techniques for decommissioning the system in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions 	Green	Green
	Understand the methods and techniques to ensure the plumbing and heating system cannot be accidentally reactivated or become dangerous	Green	Green
	Understand how to complete relevant documentation	Amber	Amber
Unit 305PH: Understand Scientific Principles	Understand the units of measurement used in the plumbing and heating industry	Amber	Red
	Understand the properties of materials	Green	Amber
	Understand the relationship between energy, heat and power	Green	Amber

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	Understand the principles of force and pressure and their application in the plumbing and heating industry		
	Understand the mechanical principles in the plumbing and heating industry		
	Understand the principles of electricity in the plumbing and heating industry		
Unit 307PH: Understand Cold Water Systems	Understand the applications, advantages and limitations of cold water systems		
	Understand the applications, advantages and limitations of appliances, components and accessories in relation to the working environment		
	Understand the methods and techniques for fitting, fixing and connecting the selected appliances, components and accessories in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions 		
	Understand the appropriate testing procedures for confirming the systems' integrity		
Unit 308PH: Understand Hot Water Systems	Understand the applications, advantages and limitations of hot water systems		
	Understand the applications, advantages and limitations of appliances, components and accessories in relation to the working environment		

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	Understand the methods and techniques for fitting, fixing and connecting the selected appliances, components and accessories in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions 		
	Understand the appropriate testing procedures for confirming the systems' integrity		
Unit 309PH: Understand Central Heating Systems	Understand the applications, advantages and limitations of hot water systems		
	Understand the applications, advantages and limitations of appliances, components and accessories in relation to the working environment		
	Understand the methods and techniques for fitting, fixing and connecting the selected appliances, components and accessories in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions 		
	Understand the appropriate testing procedures for confirming the systems' integrity		
Unit 310PH: Understand Rainwater Systems	Understand the applications, advantages and limitations of rainwater systems		
	Understand the applications, advantages and limitations of appliances, components and accessories in relation to the working environment		

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Unit 311PH: Understand Sanitation Systems	Understand the applications, advantages and limitations of sanitary appliances and pipework systems		
	Understand the applications, advantages and limitations of appliances, components and accessories in relation to the working environment		
	Understand the methods and techniques for fitting, fixing and connecting the selected appliances, components and accessories in accordance with: <ul style="list-style-type: none"> • the plumbing and heating system's design • the working environment • manufacturers' instructions 		
	Understand the appropriate testing procedures for confirming the systems' integrity		
Unit 312: Apply Health and Safety and Environmental Legislation in the Building Services Engineering Sector	N/A This unit is assessed via Practical Project and covered by the Employer Confirmation		
Unit: 313: Establish and Maintain Relationships in the Building Services Engineering Sector	Understand the types of technical and functional information that is available for the installation and/or maintenance activity		
	Understand the procedures for supplying technical and functional information to relevant people		
	Understand the importance of customer service in relation to installation and/or maintenance activity		
	Performance 1-9 N/A (assessed via Practical Project and covered by the Employer Confirmation)		

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Unit 314: Coordinate a Work Site in the Building Services Engineering Sector	Understand the requirements for organising and overseeing work activities		
	Understand the requirements for organising the provision and storage of resources that are required for work activities		
	Performance 1-11 N/A (assessed via Practical Project and covered by the Employer Confirmation)		