

# Plumbing - Repairing a water pipe - 4 units



WEEK NO	TOPIC AREA/INDICATIVE CONTENT	LEARNING OUTCOME/UNIT ELEMENT	RESOURCES	ASSESSMENT	Qualification
1	<b>Plumbing - 4 units</b> Introduction to the plumbing industry and how to keep safe	Job roles and PPE	Pupils plumbing booklet	Q&A Direct questioning	BTEC Unit 8 Repairing a water pipe
2	Plumbing tools. Mini compression rig	Underpinning knowledge of Plumbing in the home.  Including the various types of tools, power tools, materials used in the industry.	Pupils Plumbing booklet.	Q&A  Progress test record in work books	
3	Plumbing Materials and components Mini compression rig		You tube teaching material.		
4	Awareness of Power tools used in plumbing.	Benefits of pipe bending and various bends used.  Pipe bends 45', 90', offset, Passover.  Rig: comp, push fit and capillary rigs.	White board & pen  Monitor	Direct questioning	
5	Plumbing Pipe bend angles, bending around obstacles.		Various tools and materials used to carry out rig projects as per booklet.	Paper-based & teacher assessment	
6	Safe use of a plumbers blow torch		Inclusive of pipe bending equipment and blow torching attaching pipes together		
7/8/9	Construct a capillary, speed fit and compression rig.				
10	Test, self-evaluate.	Test rig under a minimum pressure of 7psi .			

In addition to the above, as an extension project, students will have the opportunity throughout the year to also carry out radiator and sink installation.