

Unit 128 bending and jointing copper pipes.

This unit is designed to give learners an introduction to the trade of plumbing. Learners will have the opportunity to learn about a range of plumbing tools and be given instruction on how to set out an efficient work area. Pupils will be introduced to different types of plumbing pipe work, joining techniques and equipment. Within this unit a high importance will be put on to health and safety and developing pupils' knowledge of personal protective equipment and how to act within a construction environment.

Essential skills.

Within this unit pupils will be taught out to identify personal protective equipment, materials, tools and equipment before moving on to selecting and using this equipment in appropriate way. Pupils will be showed how to set up work areas safely and how to keep those areas clean and tidy before clearing away any debris on the completion of the job.

Tools and equipment that pupils will use.

Personal Protective Equipment (PPE) Steel toe cap boots, protective clothing, goggles.

Materials Copper pipes, end feed fittings, flux and solder.

Tools and equipment Pipe-slice, junior hacksaw, pipe bender, blow torch, soldering mat, tape measure, wire wool/abrasive cloth. Types End feed, soldering

Key vocabulary to consolidate.

All vocabulary will be linked to the tools and equipment that pupils will use and initially pupils will receive lots of prompts and support to link the vocabulary to the physical tool.

Key vocabulary to stretch.

As the unit progresses pupils will be encouraged and required to remember the vocabulary independently and without the product of the physical tool to remind them.

Assessment.

Assessment will comprise of the following: Pupils will be required to build a small assessment piece which includes a variety of copper and brass components which will be built to within the specified tolerance. This assessment piece will be assessed by the construction tutor. Any required assessment paperwork will be completed within the pupil portfolio and assessed by the construction tutor. No assessment will take place until the construction tutor is happy that the pupil has the required knowledge and experience to be able to pass the assessment successfully.

Progression:

Construction qualifications can support pupils who wish to, to move into the construction industry more successfully

