

Pre-Competition Training Task – Project Brief

Aim:

The aims of this event are:-

- **To give confidence to competitors leading to Entry Stage of the competition:**
 - **That you will demonstrate your skill to the best of your ability.**
 - **That you can demonstrate potential further training that may be required.**
 - **Give you the opportunity to complete a task and review your own performance not just in completion of the task and time**

Objectives:-

- To complete the task in copper pipe
- To maximise the points gained from the marking criteria for each task
- To bend copper tube accurately at various angles, Passovers, crank sets etc.
- To accurately solder fittings with no runs or drips
- To ensure all joints are clean when finished using a wet rag only.
- To accurately work to dimensions +/- 2mm
- To test your work with no leaks

Description of the Project / Tasks

The task is based on skills assessed at level 2 Plumbing.

The tasks are achievable in the timescale, it is important however to remember this is not a race you are competing against a set standard.

The marking criteria for the event will be issued at a briefing with your tutor. It is your opportunity to shine.

It is about how you go about the task how you present yourself that will take you forward with a good result.

It is about planning and problem solving.

Copper Task 3 hrs

This will be a small task involving the bending and jointing of copper tube and soldering. On a 1.2 X 1.2m board wall mounted. (To check Plumb and Level of pipes)

Soldering can be completed out of position, however when you are registered and completing the Entry Stage Task soldering will be done in position.

It will require multiple bends on a single piece of tube

It will require skill in soldering (no wiping of joints, 1 touch point for solder, no drips, no runs)

Installing pipe as per drawing and to dimensions all pipe is 15mm Table X copper

What is it that you require the competitor to do ?

Prepare tools to complete the task

Prepare work area

Test equipment

Check materials

Develop a plan for completion

Carry out set task to programme

Work safely – specify any specific requirements

Review progress and reflect on your plan.

Reflection after the event – what went well, what did not go so well and action plan for improvement.

One to one discussion with your tutor

Take photos of completed work so you have a record of how your improving

Technical Reference documents to support training session

On the WorldSkillsUK website there is a Technical Handbook that you may find helpful to read before completing the task.