

# Course Information

## Construction Basic Skills- Plumbing Skills

**Campus:** Erdington Skills Centre, Edwards Road, Erdington, Birmingham B24 9EW

To book a place on this course please call the Employability Skills Team on 0121 362 1174

### Hours and times per week

2.5 days per week

Attendance: Mondays/Tuesdays 8.30am – 3.30pm and Wednesdays (8.30am-3.30pm)

### Duration

Part time 9 week course

### Course Content

Britain is facing its biggest skills shortage for a generation. The sector with an estimated employee shortage of 30,000 staff is plumbing. The practical workshops will enable pupils to understand that working as a plumber involves a lot more than fixing leaky pipes but will involve jobs from installing heating systems to fitting bathrooms. This course is an introduction to the plumbing industry and will prepare you for the world of work.

The programme provides comprehensive practical skills training and assessment with associated construction theory in safe working practices and building methods. This is a practical course aimed at learners seeking to gain basic construction skills. Achievement is measured by the completion of a portfolio of evidence.

Units covered include:

- Introduction to Health and Safety in Construction (Safety Signs, COSHH, PPE, Risk Assessment, etc.)
- Introduction to the construction industry (Materials, Sustainability, Loft Insulation)
- Bending and joining copper tubes
- Connecting pipes and fittings to appliances (Waste trap and waste pipework, selecting fittings)
- Constructing combined frames (Bending pipes to angles, etc.)
- Installing rain water goods (installing guttering, joining, selecting materials)

By the end of the course, you'll be able to answer these types of questions and lots more:

- What grades of copper are suitable for bending?
- Why should hot water pipes run above cold water pipes?
- Why do you need to heat the copper pipe when using a bending spring?
- Name three types of common waste traps?
- Why should you have a gradient fall on waste pipe work?
- When did the water regulations come into effect?
- What is the technical name for the copper/brass ring in a non-manipulative joint?
- What would you use to calculate "flow rate"?
- Name two types of solder wire used in plumbing?
- If you quote £260 for installing guttering, with a 40% profit margin, how much profit would you have?
- What is the maximum distance between fascia brackets?

### Qualification

City and Guilds 6218 Level 1 Certificate in Basic Construction Skills

### Entry and eligibility requirements

You will need to demonstrate motivation and willingness to learn. Applicants will need to be unemployed and provide proof of benefits in order to be assessed for full fee remission.

### Personal Protective Equipment (PPE)

The College will provide relevant personal protective equipment for all learners on this course, where required.

### ID Requirements

Bank statement or other form of ID with address details on plus National Insurance Number

### BMet

Jennens Road, Birmingham, B4 7PS

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