Unit 113: Plumbing, heating and ventilation

# Worksheet 1: Work within BSE occupations (tutor)

Complete the following tasks as directed by your tutor:

**Task 1** Answer the following questions relating to the BSE industry:

1. Name three members of the site management team:

* Architect
* Clerk of works
* Estimator

1. In the space below, list as many trades within the BSE industry as possible and give one example of a typical role each trade may perform:

**Plumber** – Installing, repairing and maintaining hot, cold, heating and sanitation systems within domestic properties. A plumber may replace a failed boiler, install a kitchen sink and waste pipework or perhaps rectify a fault within a hot water system.

Commercial plumbers may install above and below ground drainage and fit sanitary appliances such as urinals and wash hand basins.

**Heating & ventilation engineer** – A range of duties.

An H&V installer may install large-scale pipework from boiler and plant rooms throughout the building and may also be a skilled welder.

An H&V service engineer may work on the same systems, but to maintain and repair them.

**Air conditioning engineer** – Installing, maintaining and repairing AC systems used to keep spaces cool in summer and warm in colder months.

Most AC engineers tend to work in Commercial buildings, but AC systems are also becoming more widely available for Domestic applications.

**Electrician** – Installing new electrical circuits in both Domestic and Commercial buildings.

Electricians may replace consumer units, add additional sockets or lights, and carry out routine and periodic testing

**Controls engineer** – Need to be competent electrically while understanding the function and operation of a range of mechanical Commercial building services.

Controls engineers may install and commission the systems that control and operate complex Commercial heating and ventilation systems.

**Gas fitter** – Installing, maintaining and repairing gas appliances and pipework systems.

Anyone who works on a gas supply or appliance must be competent to do so.

**Task 2** Use the table below to list as many hand tools / pieces of equipment from the images on the board as possible. If you can list the items, try and offer a purpose for the tool as well.

| **Tool / Item name** | **Example of use** |
| --- | --- |
| As directed by tutor | As directed by tutor |
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