

Work Activity Brief

Course	Electrical Installation Level 2		
Project Title	Home Visual Survey		
Tutor	Michael Ware		
Issue date	April 2020	Completion date	August 2020

Project overview

This project will provide you with the opportunity to find out more about a career Electrical Installation, which may take you up to 2 weeks to complete and will need to be carried out in your own home.

You will produce **a report in word format** together with sufficient hand-drawn diagrams.

During the preparation of your report you will need to gather data and undertake some site surveys in your own home. You will be required to carry out a visual survey of your home and record your findings for your Electrical Installation, Water Services and Gas Supply.

This visual survey will involve some measurement and photograph taking. As well as your report you will also create suitable plans/drawings of your home, evidencing all of the services identified in the tasks below.

Under no circumstances are you to remove electrical covers or plates held in place by screws or other fixings.

Once you have completed your project, please forward this to the following email address along with your full name: submissions@esc.ac.uk. We'll then forward this on to our curriculum teams who will be in touch shortly.

Outcome of the project

This project has been developed to help you to prepare for the programme that you will be joining in September. It will hopefully give you some insight into the subject area and will support the development of working independently as well as assignment writing.

These are the tasks that you need to complete and will support you to structure your work

Water Service

Task 1

- Produce a word-processed report. Locate the incoming water supply at your house, and **photograph the main stopcock**. Add the picture you take into your report.

Task 2

- Record in your report the wording on the mains water pipe bonding clip (will be near to your mains stopcock)
- Discuss in your report if your water supply is metered or not. If yes, record in your report the location of your water meter.

Task 3

- Produce a suitable hand-drawn plan of your house.
- Show on the drawing of your house the location of all water services in your kitchen and bathroom(s) using a suitable key.

Gas Service

Task 1

- Locate your gas meter supply at your house, photograph the emergency gas control valve and add the picture to your report.
- If you do not have a gas supply at home, state this in your report.

Task 2

- Record in your report the type of gas meter you have (you will find this information on the gas meter).
- Record the position of the bonding conductor connections to the gas pipework near the meter.

Task 3

- List all the gas points in your house that are served by the gas meter.

Task 4

- Show on a drawing of your house the location of all gas services using a suitable key.

Electrical Installation

Task 1

- Locate and photograph your electric service supply head, and add the photograph to your report
- Record in your report all the details you can find about your house electric supply.

Task 2

- Locate and photograph your Consumer Control Unit (CCU) (fuse board) in your house and add this picture to your report.

Task 3

- Create a suitable table and record on it details of all the electric circuits in your house.
- Please remember not to open or remove any covers on your CCU that need the use of any specific tool to open.

Task 4

- Compile an inventory of all electrical accessories in each room in your house using the proper technical name for each accessory (use an online electrical catalogue).
- This includes switches, socket outlets and lights, but does **not** include TVs, fridges, cookers etc.
- Don't forget to include any electrical services in your garden and garage.

Task 5

- Show on the drawing of your home the positions of all electrical accessories, remembering to use a suitable key.

Task 6

- View an online electrical catalogue from your local electrical wholesaler and, using the data you gathered in Electrical Installation Task 4, find out the wholesaler's cost for each item.
- Produce a suitable table showing the type of accessories for each room, including quantity, price, VAT etc.
- Total up the value of all the accessories, including VAT. Add this to your report to show the total cost of all the electrical accessories fitted in your home.