

## Work Activity Brief

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|----------------------|------------------------------|------------------------|-------------|
| <b>Course</b>        | Construction Level 3         |                        |             |
| <b>Project Title</b> | Introduction to Construction |                        |             |
| <b>Tutors</b>        | Mahesh Dhakal & Jon Luke     |                        |             |
| <b>Issue date</b>    | April 2020                   | <b>Completion date</b> | August 2020 |

### Project overview

This project will help provide you with an introduction to a career in Construction. Please use the internet to help support your findings. You can create a new Microsoft Word or PowerPoint document to submit your answers. Please add the title as 'Introduction to Construction' with your full name.

**Once you have completed your project, please forward this to the following email address along with your full name: [submissions@esc.ac.uk](mailto: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

#### Task 1: The range of job roles within the construction industry

- Use the spider diagram below to list as many job roles in the construction industry as you can think of eg bricklayer.
- Some roles might be technical roles, management, professional or trade-based



### **Task 2: Construction Roles**

Choose one role from your list and research that job online. Find out the following details about that specific job role:

- What qualifications, skills or training would you need?
- Describe the sorts of tasks that you would need to complete in a workday within this role
- Would there be any health risks in this role?
- How much can you earn in a year?

### **Task 3: Sustainable Construction**

**3.1** Research and explain what sustainable construction is.

**3.2** Why is there a need for sustainable construction materials and techniques?

**3.3** Download and label photographs of 4 types of sustainable techniques used in construction. Examples could include double glazed windows, solar panels, wall insulation or rainwater harvesting.

### **Task 3: Building Types**

Research and provide images of the following buildings

- Timber framed
- Pre-fabricated
- Masonry structures
- Modular
- Low-rise
- Concrete
- High-rise
- Sectional
- Steel frame

Copy and paste your images, ensuring that you label them with the correct building type.

### **Task 4: Types of construction companies**

Research and provide images of examples of the work undertaken by the following types of construction companies:

- Residential Building Construction
- Industrial Building Construction
- Civil Engineering
- Commercial Building Construction