

# CONSTRUCTION

SUMMER PROJECTS  
**YEAR 11 STUDENTS**

SITE CARPENTRY LEVEL 2:  
**CARRY OUT STRUCTURAL  
WORK AND FINISHING TO A  
BUILDING**



HEART OF  
WORCESTERSHIRE  
COLLEGE

## KICK START YOUR STUDY AT HOW COLLEGE WITH ONE OF OUR CURRICULUM BRIDGING PROJECTS

### Instruction to learner

In order for you to complete this assignment, you must show your assessor/trainer that you have incorporated the use of safe working practices throughout the assignment. You must show and use relevant safety equipment, including Personal Protective Equipment (PPE) and work to current legislation and regulations. If this has not been shown within this assignment your assessor/trainer will ask you to undertake the relevant sections again.

### Background information.

You are the Carpenter working for a small building company specialising in renovation. Your supervisor has allocated a number of tasks.

You will need the following reference materials for this assignment:

- Building Regulations
- TRADA Tables
- Relevant Trade literature
- The relevant Manufacturers' Catalogues

### Written assignment (renovation project)

Your supervisor tells you to take charge of renovation work to an existing building. The building is a 1920s brick-built town house with solid walls two bricks thick. A ground floor bedroom with ensuite, is to be constructed in the existing garage attached to the side, and a new extension being built off the back of the garage and round across the back of the house.

The work includes the following jobs:

1. Construct a mono pitch roof and ceiling to the extension, with roof lights to ensuite, utility, kitchen and living areas.
2. Come up with a solution to insulate the external walls of the garage.
3. Construct timber internal walls, and 1st fix
4. Carry out fix 2nd fix
5. Replacing the existing internal doors
6. Fit the bespoke kitchen, windows and doors provided by the joinery company.

### **Carry out the following preparation for these jobs.**

1. Using TRADA tables calculate the materials required to construct the roof.
2. What documents will you need to produce so that you work safely to construct the roof?
3. Research solutions to insulate the external walls of the garage to meet building regulations.
4. Calculate the materials required to carry out the first fix tasks.
5. Liaise with which other trades (list the trades) and list the work, they require you to carry out as carpenters, ready for them.
6. Calculate the materials required to carry out the second fix tasks
7. Provide details to the joiners regarding the profile of the existing mouldings you require them to produce.

### **Suggested Materials**

Suggested materials to read or research, things to listen to or watch

Manufacturers catalogues, City and Guilds level 1 & 2 Diploma in Carpentry and Joinery, YouTube, [www.City&Guilds.com](http://www.City&Guilds.com) [www.Gov.co.uk](http://www.Gov.co.uk), [www.hse.co.uk](http://www.hse.co.uk)

### **Indicative time for this project:**

Maximum of 40 hours

### **Instructions on how to submit this:**

Please email your completed work to your Tutor, or alternatively print your completed work and submit upon enrolment to the programme.

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### **How will I benefit from this project:**

This project will help you retain the information you will need to become a Site carpenter and you can use this for reference in class and in the workshop. Become familiar with the terms and techniques and pay attention to the skills you need to master. If you put in the effort, you will be rewarded with a satisfying and successful career in construction.

### **What can I expect to get back after I submit my project work:**

Your work will be assessed by your College Tutor and will contribute to your theoretical knowledge. Feedback will be provided upon marking and any amendments will be highlighted and resubmitted to you if necessary.

### **Key information you should include:**

Your name

Your email address

A contact telephone number