**Level 1 and 2 Construction Multi-skills 2020**

**Preparation work for my course at GC**

**Introduction –**

The Construction Industry underpins our economy and society. Few sectors have such an impact on communities across the UK or have the same potential to provide large numbers of high-skilled, well-paid jobs, with exciting opportunities worldwide, building the homes we live in, the schools and hospitals we rely on, and the offices, factories, and infrastructure that keep the wheels of industry turning.

**Are you ready for your new career?**

Within your Construction course you will be studying the core skills listed below both at Level 1 and Level 2. The tasks outlined below that you will be completing over the coming weeks will give you the basis of the skills and knowledge you will need at the start of your course to begin your college career in Construction with us at GC Cinderford Campus.

**Core skills I will be studying at Level 1**

* **Health and Safety**
* **Carpentry**
* **Bricklaying**
* **Plastering**

**Core skills I will be studying at Level 2**

* **Health and Safety**
* **Understanding drawings, documentation and communication**
* **Understanding construction technology**
* **Bricklaying**
* **Carpentry (including roofing)**
* **Plastering**
* **Painting and decorating**
* **Wall and floor tiling**
* **Plumbing**
* **Access equipment**
* **Customer relations**

**Research task 1 –**

Health and safety is the main focus of our industry due to its practical and sometimes dangerous nature. Due to this we have set legislations to abide by at all times on site; your activity is to research these legislations using the [hse.gov.uk](https://www.hse.gov.uk/legislation/hswa.htm) website and complete either a power point with brief description of each legislation or complete the table below.

**Health and safety legislation and abbreviations**

Key health and safety legislation and organisations are often referred to by their initials or an abbreviation. All members of the construction industry should know these shortened names.

Complete the table below with the full name for each abbreviation and a brief description of what each legislation covers.

Resource link - <https://www.hse.gov.uk/legislation/index.htm>

|  |  |
| --- | --- |
| **Abbreviation**  | **Full name** |
| HSE |  |
| HASAWA |  |
| COSHH |  |
| RIDDOR |  |
| PUWER |  |
| PPER |  |
| MHO |  |
| CITB |  |
| RSPH |  |
| WAHR |  |
| RoSPA |  |
| BSI |  |

**Research task 2 –**

Using [youtube.granddesigns](https://www.youtube.com/watch?v=qhR44qdQn3Q) complete the set of questions below.

1. List each stage of the build and the trades that complete that stage, for example – Foundations – Ground workers.
2. List the main materials that were used on each stage of the build, for example – External walls constructed out Brick work.
* Foundations -
* External walls –
* Windows/doors -
* Internal walls -
* Internal floors -
* Roofing -
* Cladding (what material is the external walls finished in)
1. What documents were used for each of the trades to complete their job?
2. What method was used to heat the home? Example – Gas boiler and radiators
3. What main building material causes the largest damage to the environment?

**Summary –**

What have you learnt about the housebuilding process? For example what are important considerations before designing and building homes?

**Research task 3.**

For each of the trades below put together a basic tool kit and PPE including a price for each tool and each piece of PPE using either [screwfix.com](https://www.screwfix.com/) or [toolstation.com](https://www.toolstation.com/search?q=brick%20trowel).

You can research [Tommys trade secrets](https://www.youtube.com/watch?v=yxWfXKEFGhI) on these trades for practical inspiration.

Brick Layer -

Carpenter -

Plasterer –

Tiler –

Please present your work using either power point or a word document and send it to matthew.dunkley@gloscol.ac.uk by August 28th 2020.

**Have a great summer from Construction, Cinderford campus!!**