

# Welcome & Induction 2020



Welcome to:

Colchester Institute Plumbing

**Better Careers** Begin Here

## The aim of this presentation:

- To inform you about the course, the course structure and to help you in your understanding of the course you have applied for and will be enrolling on.

## The Team:

James Baker - Area Head

Chris McWhinney – Assistant Area Head

Chris Lee – Assistant Area Head

Mike Bush - Course Tutor

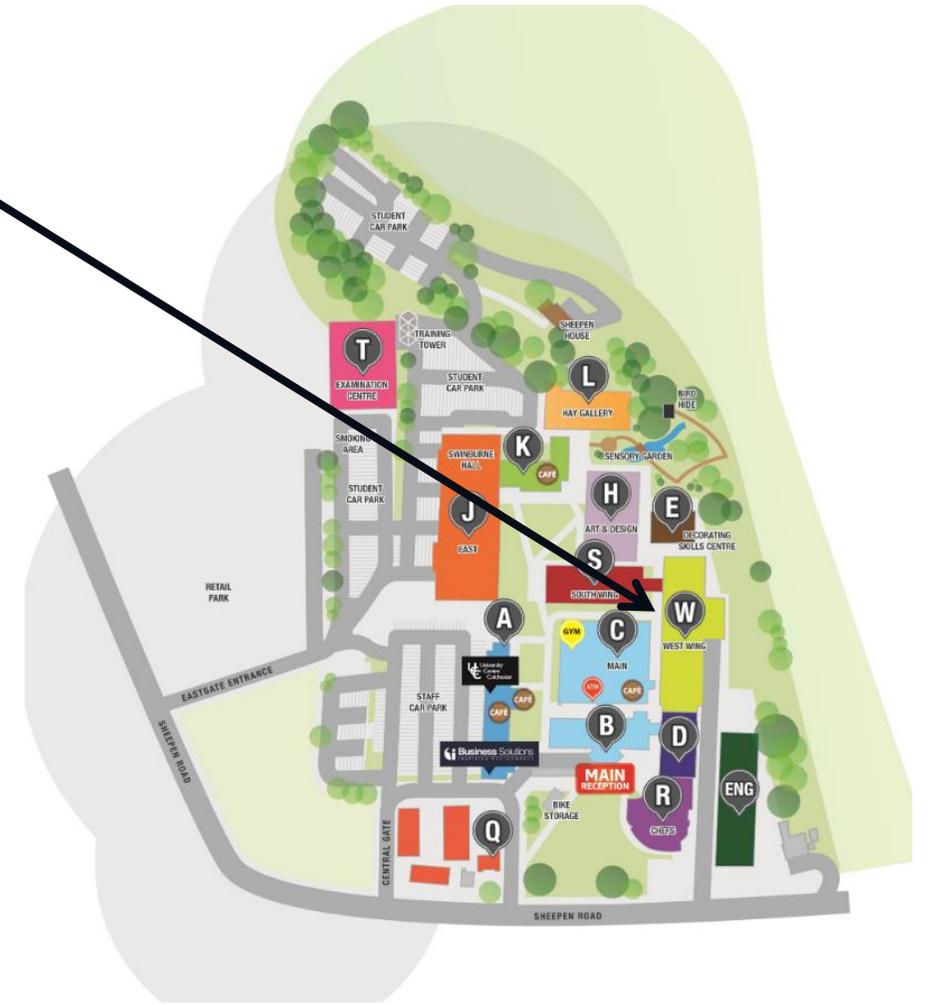
Stuart Napier - Course Tutor

Jamie Ansell - Course Tutor

Steve Lane - Course Tutor

## Where will you learn?

- The Plumbing Section is based in 'West Wing' and there are a number of workshops and classrooms that we use.
- The staff room is situated in room W201 with most of our classrooms and workshops also on the second floor of West Wing.



## Where will you learn?

- Here are some pictures of our Colchester workshops and classrooms that you will be learning in!



## What will I need to bring if I am accepted onto the course?

In the workshop you will need to wear:

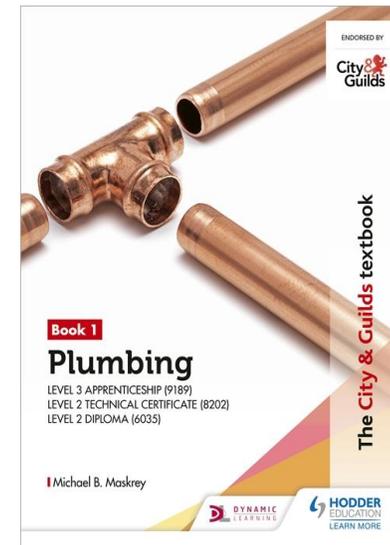
- Work wear/overalls
- NOT old jeans or tracksuit bottoms
- Steel Toe Capped Boots/Shoes



## What will I need to bring if I am accepted onto the course?

In the classroom you will need to bring:

- Stationery such as: Pens, Pencils, Paper and a folder to put your work in.
- You will also need to purchase the text book that has been written for this course to help you with your studies and revision. (Please see the link to the book at the bottom of the screen)



<http://www.best-book-price.co.uk/Product-266239/151041648X-The+City+Guilds+Textbook+Plumbing+Book+1+for+the+L.html>

## What this course requires from you!

- 1) CONCENTRATION
- 2) EFFORT
- 3) ATTENDANCE

## The Level 1 Plumbing Course (C&G7202)

- The course is 1 Year long and this is the first year of the qualification.
- There are 3 Areas of Study:

↓  
Theory

↓  
Practical

↓  
GCSEs

- These are run side by side, during your 3 days at college.

## Plumbing Level 1

- The first year is a mix of Theory and Practical tasks:

**The Theory is mixed in with Level 2 Theory but the 10 Level 1 exams are paper based taken in the classroom. The topics covered are:**

Structure of the Construction Industry; Safe Working Practices; Environmental and Sustainability Measures; Site Preparation; Above Ground Drainage; Copper Pipework; Plastic Pressure Pipework; Low Carbon Steel Pipework; Installation Repair and Maintenance of Systems and Plumbing Science.

## English and Maths GCSE

- You will be required to attend G.C.S.E retakes if you failed to obtain grade 4 in Maths and English at school

**• YOU ARE REQUIRED TO ATTEND THESE LESSONS AS THEY FORM PART OF THE PLUMBING COURSE**

## Practical Elements!

- The Practical element has 21 tasks that include topics such as Health and Safety, Access Equipment, Copper Bending and jointing, L.C.S cutting, threading and jointing etc.
- This is the introduction and grounding into Plumbing that will continue on into Level 2 in the second year

## Work Experience

**As part of the course you will also need to complete:**

30 hours of Work Experience each year outside of College times. This is part of your preparation for full time employment once you have completed your College course

This, if possible, would be with a Plumber.

## Studying in the workshops:

In the workshop:

- NO caps hats or hoodies to be worn
- Mobile phones switched off
  
- Overalls and safety boots are compulsory in the workshop at all times.  
(Please see slide 5 and 6 for more information on PPE and Equipment)

## Progression onto Level 2

Progression is important throughout the course. Progression is:  
*'Learning at a sufficient rate to achieve your target'*

From Level 1 you can progress onto Level 2 Plumbing if your work and behaviour are good. Passing Level 1 does not guarantee progression onto Level 2. This is subject to a review panel looking at your overall achievement, attendance, attitude, aptitude etc.

## Level 2 Plumbing (6035) – Second Year

Level 2 also contains practical and theory elements.

For the theory sessions you will need to be able to: Take good notes, ask questions, be attentive and focus fully.

The theory will cover elements such as:

Unit 201 **Health and Safety**

Unit 202 **Electrical Principles**

Unit 203 **Scientific Principles**

Unit 204 **Plumbing Processes**

Unit 205 **Cold Water Systems**

Unit 206 **Hot Water Systems**

Unit 207 **Sanitation**

Unit 208 **Central Heating**

Unit 209 **Drainage**

Unit 210 **Communicating with Others**

## Level 2 Plumbing (6035) – Second Year

For the practical element, you will be given a Portfolio containing 41 practical jobs, these vary from basic tasks involving Health and Safety tasks, bending and joining Copper and Steel pipes etc.

Then you will undertake some more complex tasks in a 'Block' assessment, this includes such tasks as installing a complete bathroom suite, and airing cupboard etc.

## Progression from Level 2 to Level 3

From Level 2 Diploma you can progress onto the Level 3 (9189) Standard in Plumbing

To progress onto the standard you will need to be employed in the Plumbing Industry.

## Assessments

Each practical job will be assessed on:

Quality

Accuracy

Soundness

If you fail a small task, additional training and practice is given.

If you fail a 'block' task, hopefully there will be time to reassess towards the end of the year.

## Additional Learning Support

There is classroom support available for those who find reading and writing etc a problem.

To qualify for this support you will need to undertake a specialist assessment, which we will organise.

Exam concessions – extra time, reader etc.

## Thank you for your time! Q&A Session

Please feel free to ask any questions during the email Q&A session with Mike Bush on the 29th June.

Please email any of your questions to [michael.bush@colchester.ac.uk](mailto:michael.bush@colchester.ac.uk) on the 29<sup>th</sup> June between 9am and 5pm.

Please also have a look through our final 3 slides. You will see some examples of the work that we do in Plumbing.

## Some examples!

Here are some examples of the work that we do:



Hemp & Paste on LCS

LCS Threading & Cutting



Ladder Safety

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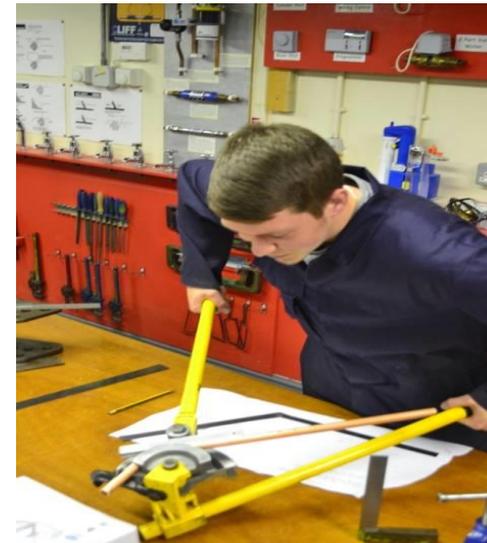
## Some examples!



Soldering Copper



Bending Copper  
Accurately



Installing an airing cupboard  
in copper



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## Some examples!



Guttering



Learning measuring,  
levelling and accuracy

