

Colchester Institute information:

Suggested resources and activities to help Year 11 students prepare for College.

# Contents

Accounting	<a href="#">p3</a>
Applied Science	<a href="#">p4</a>
Art & Design	<a href="#">p5</a>
Brickwork	<a href="#">p6</a>
Business	<a href="#">p7</a>
Catering and Hospitality	<a href="#">p8</a>
Childcare	<a href="#">p9</a>
Computing	<a href="#">p10</a>
Digital Media	<a href="#">p11</a>
Electrical Installations	<a href="#">p12</a>
Engineering – Electronic	<a href="#">p13</a>
Engineering – Fabrication & Welding	<a href="#">p14</a>
Engineering – Mechanical & Electrical Maintenance	<a href="#">p15</a>
Engineering – Mechanical Manufacturing	<a href="#">p16</a>
Forensic and Criminal Investigation	<a href="#">p17</a>
Health & Social Care	<a href="#">p18</a>
Literacy and Numeracy	<a href="#">p19</a>
Motor Vehicle Services	<a href="#">p20</a>
Multi Skills	<a href="#">p21</a>
Music Technology	<a href="#">p22</a>
Painting and Decorating	<a href="#">p23</a>
Performing Arts	<a href="#">p24</a>
Plumbing	<a href="#">p26</a>
Professional and Popular Music	<a href="#">p27</a>
Progression Studies	<a href="#">p28</a>
Public Services	<a href="#">p29</a>
Salon Studies	<a href="#">p30</a>
Skills for Enterprise	<a href="#">p31</a>
Sport	<a href="#">p32</a>
Steps 3	<a href="#">p33</a>
Steps 4	<a href="#">p34</a>
Technical Theatre	<a href="#">p35</a>
Trowel Occupations – Construction and the Built Environment	<a href="#">p37</a>
Wood Occupations – Carpentry, Joinery or Furniture	<a href="#">p39</a>

## Getting Ready to Study Accounting at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Accounting at Colchester Institute

AAT skillcheck test

<https://www.aat.org.uk/aat-qualifications-and-courses/need-help-choosing-a-qualification/aat-skillcheck>

Introduction to bookkeeping and accounting

<https://www.open.edu/openlearn/money-business/introduction-bookkeeping-and-accounting/content-section-0?active-tab=description-tab>

Bookkeeping for Personal and Business Accounting

<https://www.reed.co.uk/courses/bookkeeping-for-personal-and-business-accounting/213066#/courses/free/bookkeeping/online>

Business costs

<https://www.tutor2u.net/business/reference/business-costs-revision-quiz>

### Going Further to study Accounting at Colchester Institute

Xero – Computerised Accounting

<https://www.reed.co.uk/courses/xero-advisor-certification-equivalency-course/236780#/courses/free/bookkeeping/online>

Basic Excel skills

<https://www.freeexcelcourse.com>

Ethics in business

<https://www.tutor2u.net/business/reference/business-ethics-revision-quiz>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Applied Science at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Applied Science at Colchester Institute

The study of Applied Science is exactly as it suggests, the real application of all the main sciences Biology, Chemistry and Physics to our everyday lives!

In Biology, it is very important to know all about the workings of the Cell, and how we use for example microscopes to observe the different organelles contained in them each carrying out unique roles in order to bring about sustainable life. Have a go at these [cell exploration activities](#), all about animal and plant cells! Also, have a watch of this video, all about the [inner life of a cell](#).

Chemistry plays an important and central role to all of our lives and in so many ways. Chemistry underpins the other sciences as it concerns itself with atoms from which everything is composed, and the almost infinite and diverse number of reactions different elements and molecules can undergo. Try watching [The Magic of Chemistry Video](#) and visit this [interactive periodic table](#)! Also you can try this at home, [ice cream in a bag in five minutes](#) - an ideal activity when the weather is hot!

In Physics, it is important to know about the electromagnetic spectrum and waves so we can learn how to use them in say communication systems, and the probing and curing of certain disease states like cancer. Have a look at this [website](#) – there are links to lots of the topics that you will be studying in September, including videos. As revision, have a go at the questions on this [website](#) and then check your answers by 'reveal answer'.

### Going further to study Applied Science at Colchester Institute

You could also try some quizzes in Biology, Chemistry and Physics at [www.proprofs.com](http://www.proprofs.com)

To prepare for the academic requirements of the courses, review and read about academic referencing, as it is important to acknowledge the people that originally did the work! We use the [Harvard Referencing](#) style.

As you are all very aware we are currently experiencing a Global pandemic from the Covid-19 corona virus. Watch this video, which is one of many you could access, stating the importance Science plays in bringing this to an end [Covid-19](#). To solve this Global pandemic, we need to understand: the Biology of a virus and the host it infects; the Chemistry of the intermolecular reactions taking place when infection occurs; and the mechanical Physics of virus/host interactions. Studying Applied Science at CI can undoubtedly assist students on a pathway that could make a real difference to current and emerging

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Art & Design at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Art & Design at Colchester Institute

1. The Art and Design section of BBC Bitesize includes a resource on the '**Creative Process**' designed to help GCSE students understand the different stages in the development of a creative project. There are 10 short videos on topics such as 'finding inspiration', 'developing ideas' and 'analysing and evaluating'. Most of the ideas are applicable across all specialisms and understanding the principles should provide you with a good foundation for study next academic year. We'd like you to watch the films at:

- [www.bbc.co.uk/bitesize/topics/zk8xpv4](http://www.bbc.co.uk/bitesize/topics/zk8xpv4)

2. It's important to try and keep being creative whilst in lockdown. Creative organisations and communities have created lots of free resources to help inspire you to make things whilst you are at home. We've listed some below and would really like to see which activities you are interested in and how you respond. It's completely up to you which you choose to do; whatever you do make, please bring examples when you start your Art & Design course.

- [www.firstsite.uk/art-is-where-the-home-is](http://www.firstsite.uk/art-is-where-the-home-is) - sign up for Firstsite's activity packs with lots of ideas of things to do featuring contributions from artists including **Antony Gormley, Sarah Lucas and Gillian Wearing**
- [www.designmuseum.org/digital-design-calendar/young-design-museum](http://www.designmuseum.org/digital-design-calendar/young-design-museum) - lots of free resources to inspire young designers to stay creative during lockdown.
- Launched on the Martin Parr Foundation Instagram account ([@martinparrfdn](https://www.instagram.com/martinparrfdn)), the photographer Martin Parr is announcing photographic challenges that must be completed within the home.
- The Instagram account Isolation Art School ([@isolationartschool](https://www.instagram.com/isolationartschool)) has lots of projects, lessons and tips by artists to help people get creative.

### Going Further to study Art & Design at Colchester Institute

It's important that you have an interest in, and want to know more about contexts that influence creatives, for example other cultures, artists and designers. We've suggested a number of ways for you to do these using online resources. While you look at these, make notes and drawings to record what interests you; the names, places and ideas you encounter.

- The [Google Street Art Project](https://www.google.com/streetart/) provides a platform where you can view some of the world's most amazing street art... [www.streetart.withgoogle.com/en/online-exhibitions](http://www.streetart.withgoogle.com/en/online-exhibitions)
- [www.youtube.com/user/tate](https://www.youtube.com/user/tate) - subscribe to the Tate YouTube channel where you can see new films about art each week; in this weeks recommended section you can take a tour of the new Andy Warhol exhibition
- [www.bbc.co.uk/iplayer/episodes/m000f1xt/secrets-of-the-museum](http://www.bbc.co.uk/iplayer/episodes/m000f1xt/secrets-of-the-museum) the BBC is screening a series about the V & A museum collections to help you learn more about fascinating artefacts from Star Wars costumes to Raphael paintings.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Brickwork at Colchester Institute

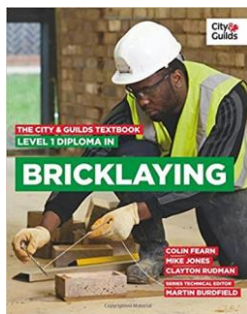
The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Brickwork at Colchester Institute

- Take a look at this YouTube page; <https://www.youtube.com/user/CIBrickwork> lots of useful videos on this page to show you how to lay bricks, shot by our very own staff.
- Learn your 75 times table. We use this to measure courses of bricks (called gauge).
- Familiarise yourself with a tape measure. In construction we measure things in mm and **NOT cm**. Find the 75mm mark, then 150mm and then go up in 75mm intervals. Remember there are 100mm to every 10cm this YouTube clip could be helpful; <https://www.youtube.com/watch?v=m9cBpakYG2c>

### Going Further to study Brickwork at Colchester Institute

Get a copy of the level 1 textbook;  
Level 1 Diploma in Bricklaying by City and Guilds



You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Business at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Business at Colchester Institute

<https://www.tutor2u.net/business/reference/learning-activities?level=115604>

<http://www.beebusinessbee.co.uk/index.php/pages/223-beebusinessbee-for-business-students>

<https://study.com/academy/course/intro-to-business.html>

<https://www.brainscape.com/subjects/BTEC%20business>

<https://www.bbc.co.uk/bitesize/subjects/zpsvr82>

### Going Further to study Business at Colchester Institute

Web design

<https://www.wix.com>

Organisational structures

<https://www.tutor2u.net/business/reference/organisational-structure-basics>

Company finance and business strategy

<http://businesscasestudies.co.uk/kraft-foods-uk/budgeting-and-strategy/#axzz3UeYV0H4C>

PESTLE analysis

<https://www.tutor2u.net/business/reference/what-is-pest-analysis>

Ethics in business

<https://www.tutor2u.net/business/reference/business-ethics-revision-quiz>

Business costs

<https://www.tutor2u.net/business/reference/business-costs-revision-quiz>

Leadership and management

<https://www.tutor2u.net/business/reference/leadership-management-styles-revision-quiz>

Different types of business

<https://www.tutor2u.net/business/reference/forms-of-business-revision-quiz>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Catering and Hospitality at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September.

### Getting Ready to study Catering and Hospitality at Colchester Institute

Foodquiz:



foodquiz.ppt

Dietary requirements Induction activity:



Induction activity -  
Dietary Requirement

Hygiene Poster:



Hygiene  
Poster-Hospitality.ppt

Hotel Ratings Induction activity:



Induction activity -  
Hotel Ratings and P

<https://www.funquizzes.uk/food-and-drink-quiz/>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Childcare at College

The 'Getting Ready' list below gives you some ideas and activities you can use to get ready for when your course starts at Colchester Institute in September.

### Getting Ready to study Childcare at Colchester Institute

Early years practitioners and teachers are considered key workers during these unprecedented times and are on the forefront of this pandemic. With this in mind it is important to consider how influential your role would be in supporting children with all aspects of their learning and development and working with families within different settings.

#### Activity 1

##### Personal statement

As you have applied for a place on one of our childcare courses the first thing we would be interested to find out is why. Writing a personal statement gives you a wonderful opportunity to explain why you would like to work with young children and what possible future careers you have in mind for the future. Your personal statement can include:

- Your name and the course you have applied for
- Details on why you would like to study a child care course
- Have you had any experience of working with young children or had experience of looking after siblings or children from other family members or friends.
- Write a bit about yourself (your likes, interests, aspirations, hobbies etc.)
- What you might like to do in the future with a childcare qualification

#### Activity 2

##### Creative activity

Working with children in early years setting can be a lot of fun. You will be expected to plan and participate in a variety of activities for all children to engage with. For example; Messy play, sand and water, playdough, construction with building blocks, imaginative play, role-play, story sacks, matching activities, junk modelling and much more ☺

Your task is to choose an activity and explain why children would like to take part in that activity? what benefits might it have to their learning and development? What safety aspects would you have to consider? What age group do you think it would be suitable for? What resources would you need? What would your role be whilst they were doing the activity?

Here are some websites you could use for some inspiration

<https://wehavekids.com/parenting/Creative-Play-Creative-Play-for-2-5-Years-Old>

[https://www.pinterest.co.uk/vicki\\_auty/creative-ideas-for-early-years/](https://www.pinterest.co.uk/vicki_auty/creative-ideas-for-early-years/)

Optional: You might want to do the activity yourself at home for some fun. You might also like to take a photo of it and attach it to your activity plan ☺

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Computing at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Computing at Colchester Institute**

Python

[https://snakify.org/en/lessons/print\\_input\\_numbers/](https://snakify.org/en/lessons/print_input_numbers/)

<https://www.w3schools.com/python/default.asp>

Web Development

<https://www.futurelearn.com/courses/introduction-to-web-development>

<https://www.w3schools.com/html/default.asp>

<https://youtu.be/mU6anWqZJcc>

Game Maker

<https://www.youtube.com/user/letslearngamemaker/videos>

### **Going Further to study Computing at Colchester Institute**

Cybersecurity

<https://www.futurelearn.com/courses/teaching-cybersecurity>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Digital Media at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Digital Media at Colchester Institute

#### [Digital Media - Preparing for College Website](#)

This is a newly created website aimed at all prospective students studying Digital Media Courses at Colchester Institute, either at Braintree or Colchester campuses:

- Film and TV
- Interactive Media and Games Design
- VFX and Animation

You will find a range of activities and information for you to explore and examples of previous student's projects. Over the coming weeks we will be adding further resources and activities to help prepare you for studying your Digital Media Level 2 or Level 3 course.

### Going Further to study Digital Media at Colchester Institute

<https://www.screenskills.com/>

<https://www.bbc.co.uk/programmes/b0bbn5pt>

<https://www.construct.net/en/tutorials/beginners-guide-construct-1>

<https://www.futurelearn.com/subjects/creative-arts-and-media-courses/>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Electrical Installations at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

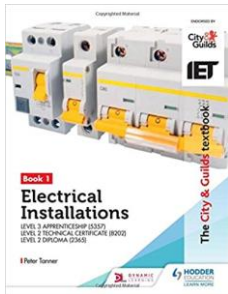
### Getting Ready to study Electrical Installations at Colchester Institute

How can you do this? Well, we highly recommend watching some videos on YouTube, in particular a YouTuber called Thomas Nagy. There are countless videos that are informative and fun covering all aspects of the industry and will give you a good understanding of what the day to day life of an electrician is like: <https://www.youtube.com/channel/UC6EJTy6p58ZW16PEljSn4Qw>

Accuracy is key within the industry; for that reason, researching measuring techniques and conversions from meters to millimetres would be a beneficial to you as well as transposition of formula.

You will be required to wear safety boots in the practical workshop so start thinking about getting a pair. I would recommend Screwfix.

The electrical team highly recommend purchasing the course textbook to aid your studies. (pictured below)



*The City & Guilds Textbook: Book 1 Electrical Installations (ISBN: 978 1 5104 3224 6)*

### Going Further to study Electrical Installations at Colchester Institute

When College begins in September many of you will be looking to gain an electrical apprenticeship. This is something that the College encourage so starting to build a CV will maximise your chances of gaining employment. Research what a CV should look like and start to think about building one.

Start researching the Health and Safety requirements of the industry (the text book will be very helpful) and familiarise yourself with regulations around the topic.

Because you cannot see electricity the only way that it can be acknowledged is through maths, therefore, having a basic understanding of Ohm's law would greatly aid you, please use the link below and have a go at transposing the formula.

<https://www.youtube.com/watch?v=Cztil0re5Eo>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Engineering at College (Electronic Engineering)**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Electronic Engineering at Colchester Institute**

In order to be best prepared for your next step we think it is beneficial that before you come on to this course that you try to get to grips with some basic fundamentals within your course that you have chosen to study.

As an Electronic engineer it is necessary to understand how to read an ammeter and voltmeter for performing tasks so it would be of great benefit to understand how to read these correctly.

<https://www.youtube.com/watch?v=NLPSHwDUYrY> ammeters and voltmeters

Another key element within our faculty of Engineering is of course safety and certain key health and safety at work acts, with this in mind it would be advantageous if you could frequent yourself with the various safety signs and the various laws and legislations within Engineering (for example the Health and Safety at Work Act 1974). Look at the link below and familiarise yourself with your duties' as an employee.

<https://www.hse.gov.uk/legislation/hswa.htm> health and safety

For the theory aspect of the course there is a big element of understanding how engineering businesses work and function and employing the use of business improvement techniques such as: Lean, 5S, Kanban and Just in Time (JIT).

<https://www.process.st/lean-manufacturing-principles/> business improvements

### **Going Further to study Engineering at Colchester Institute**

<https://learn.sparkfun.com/tutorials/where-do-i-start/all> Where Do I Start?

<https://www.youtube.com/watch?v=6Maq5IyHSuc> A simple guide to electronic components.

[https://www.instructables.com/class/Electronics-Class/ Basic Electronic Lessons.](https://www.instructables.com/class/Electronics-Class/Basic+Electronic+Lessons)

<https://www.youtube.com/watch?v=-PiB2Xd3P94> parallel circuits.

<https://www.youtube.com/watch?v=CztiI0re5Eo> ohm's law.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Engineering at College (Fabrication & Welding)

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Fabrication & Welding at Colchester Institute

In order to be best prepared for your next step we think it is beneficial that before you come on to this course that you try to get to grips with some basic fundamentals within your course that you have chosen to study.

As a Welder/Fabricator it is necessary to understand how to read a rule and tape measure for performing simple everyday marking out tasks so it would be of great benefit to understand how to read these correctly.

<https://www.youtube.com/watch?v=m9cBpaYG2c> reading a rule

Another key element within our faculty of Engineering is of course safety and certain key health and safety at work acts, with this in mind it would be advantageous if you could frequent yourself with the various safety signs and the various laws and legislations within Engineering (for example the Health and Safety at Work Act 1974). Look at the link below and familiarise yourself with your duties' as an employee.

<https://www.hse.gov.uk/legislation/hswa.htm> health and safety

For the theory aspect of the course there is a big element of understanding how engineering businesses work and function and employing the use of business improvement techniques such as: Lean, 5S, Kanban and Just in Time (JIT).

<https://www.youtube.com/watch?v=...>

### Going Further to study Engineering at Colchester Institute

<https://www.youtube.com/watch?v=vkPlzmalvN4> reading a metric Vernier

<https://www.youtube.com/watch?v=twUAa5LWUvk> mig welding

<https://www.youtube.com/watch?v=uO5pVLOAmD4> tig welding

<https://www.youtube.com/watch?v=elmDvgdeMKI> mma welding

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Engineering at College (Mechanical & Electrical Maintenance)**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Maintenance at Colchester Institute:**

In order to be best prepared for your next step we think it is beneficial that before you come on to this course that you try to get to grips with some basic fundamentals within your course that you have chosen to study.

As a Maintenance engineer it is necessary to understand how to read an ammeter and voltmeter for performing tasks so it would be of great benefit to understand how to read these correctly and how-to problem solve.

<https://www.youtube.com/watch?v=NLPShwDUYrY> ammeters and voltmeters

Another key element within our faculty of Engineering is of course safety and certain key health and safety at work acts, with this in mind it would be advantageous if you could frequent yourself with the various safety signs and the various laws and legislations within Engineering (for example the Health and Safety at Work Act 1974). Look at the link below and familiarise yourself with your duties' as an employee.

<https://www.hse.gov.uk/legislation/hswa.htm> health and safety

For the theory aspect of the course there is a big element of understanding how engineering businesses work and function and employing the use of business improvement techniques such as: Lean, 5S, Kanban and Just in Time (JIT).

<https://www.process.st/lean-manufacturing-principles/> business improvements

### **Going Further to study Engineering at Colchester Institute**

[https://en.wikipedia.org/wiki/Maintenance\\_engineering](https://en.wikipedia.org/wiki/Maintenance_engineering) maintenance engineering intro

<https://www.youtube.com/watch?v=CztiI0re5Eo> ohm's law

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Engineering at College (Mechanical Manufacturing)**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Mechanical Manufacturing at Colchester Institute**

In order to be best prepared for your next step we think it is beneficial that before you come on to this course that you try to get to grips with some basic fundamentals within your course that you have chosen to study.

As an engineer it is necessary to understand how to read a rule and tape measure for performing simple everyday marking out tasks so it would be of great benefit to understand how to read these correctly.

<https://www.youtube.com/watch?v=m9cBpaKYG2c> reading a rule

Another key element within our faculty of Engineering is of course safety and certain key health and safety at work acts, with this in mind it would be advantageous if you could frequent yourself with the various safety signs and the various laws and legislations within Engineering (for example the Health and Safety at Work Act 1974). Look at the link below and familiarise yourself with your duties' as an employee.

<https://www.hse.gov.uk/legislation/hswa.htm> health and safety

For the theory aspect of the course there is a big element of understanding how engineering businesses work and function and employing the use of business improvement techniques such as: Lean, 5S, Kanban and Just in Time (JIT).

<https://www.process.st/lean-manufacturing-principles/> business improvements

### **Going Further to study Engineering at Colchester Institute**

<https://www.youtube.com/watch?v=vkPlzmalvN4> reading a metric Vernier

<https://www.youtube.com/watch?v=StBc56ZifMs> reading a metric micrometer

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Forensic and Criminal Investigation at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Forensic and Criminal Investigation at Colchester Institute

To be a successful Forensic Scientist, you really need to have a good underpinning knowledge of Biology, Chemistry and Physics!

In Biology, it is really important to know all about cell biology and how we can use a microscope to observe the organelles in a cell. Have a go at these [cell exploration activities](#), all about animal and plant cells! Also, have a watch of this video, all about the [inner life of a cell](#).

Chemistry plays an important and central role to all of our lives. As an introduction to Chemistry at why not watch [The Magic of Chemistry Video](#) and visit this [interactive periodic table](#)! Also you can try this at home, [ice cream in a bag in five minutes](#) - an ideal activity when the weather is hot!

In Physics, it is important to know about the electromagnetic spectrum and waves so we can learn how to use them in communication. Have a look at this [website](#) – there are links to lots of the topics that you will be studying in September, including videos. As revision, have a go at the questions on this [website](#) and then check your answers by 'reveal answer'.

And finally, if you want to be able to undertake some of your own forensic science experiments whilst at home, take a look at this [guide](#)!

### Going further to study Forensic and Criminal Investigation at Colchester Institute

Anatomy (structure) and physiology (function) is another common area of study, to help prepare you for this topic you need to understand the structure and function of the human body. Have a look at this [website](#), pick two body systems and have a go at the quizzes!

You could also try some [chemistry-based quizzes](#)!

To prepare for the academic requirements of the courses, review and read about academic referencing, the style that we use is [Harvard Referencing](#).

For some fun practical based activities that are related to topics that we study in second year ([human decomposition and mummification](#) and [forensic archaeology](#)), have a look at the links and have a go at them!

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Health and Social Care at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Health and Social Care at Colchester Institute

The NHS and other key workers are currently at the forefront of [supporting the nation through an unprecedented health challenge](#) during this pandemic.

With this in mind and your wish to study health and social care, the NHS **6 C's** continue to be relevant and highlight the skills needed by health and social care workers.

*Investigate what these skills are and why you think they are important? Take the [A question of Care Quiz](#) You could share your own experiences of the NHS showing these values – this could be done via a video recording or blog.*

Some staff in health and Social Care also must complete the [Care Certificate](#) when starting employment, elements of this will be included in your compulsory work experience.

*Use the link to research the standards, by opening the workbooks you can also complete some knowledge areas which will help you prepare for work placement.*

[The Equality Act 2010](#) is a very important piece of legislation in health and social care. *Research the legislation, why is it important? What did it replace? What impact does this have for employers, employees and service users/individuals? Use this [link](#) to the Equality and Human Rights Commission website and review the resources there, in particular the PowerPoint slides from lesson 7.*

### Going Further to study Health and Social Care at Colchester Institute

Eating a balanced diet could be difficult if you are being cared for by others, [nutrition](#) is studied at all levels in health and social care. Have a go at some [Nutrition Quizzes](#)

*What is the Eat Well Guide? Why is this important?*

Anatomy (structure) and Physiology (function) is another common area of study, to help prepare you for this topic you need to understand the structure and function of the human body. Have a look at this [website](#), pick two body systems and have a go at the quizzes!

To prepare for the academic requirements of the courses, review and read about academic referencing, the style that we use is [Harvard Referencing](#).

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Literacy and Numeracy at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Literacy and Numeracy at Colchester Institute

You will continue to develop your literacy and numeracy skills as part of your study programme as they are important skills for employability and they also help you to achieve on your study programme. Students who have not yet achieved GCSE grade 4 in Maths and English will also continue to study towards improving their GCSE grade.

It is important that you maintain the skills you already have mastered and think about what you will need to improve on when you come to college.

Take a look at the BBC Skillswise website and you can discover some of the practical ways you can use your English and maths skills in the workplace through videos and you can download fact and worksheets.

<https://www.bbc.co.uk/teach/skillswise/job-skills/zdh8vk7>

Have a go at the spelling, punctuation and grammar online tests to check what you need to work on <https://www.bbc.co.uk/bitesize/topics/z38x39q>

If you are going to be studying GCSE keep up your skills through practice via BBC Bitesize GCSE

Maths : <https://www.bbc.co.uk/bitesize/subjects/z38pycw>

English : <https://www.bbc.co.uk/bitesize/subjects/zr9d7ty>

Finally **keep reading**- the news, articles that interest you, books, magazines, any text will extend your vocabulary and knowledge about the world.

### Going Further to study Literacy and Numeracy at Colchester Institute

Take a look at Sarah Holmes's you tube channel for 'how to videos' GCSE English Language

<https://www.youtube.com/channel/UCuQKHGg5ZUUthp4rTv3AFgA>

Or watch Mr Davies talk you through how to make the most of your writing

[https://www.youtube.com/user/helpmemrdavies/videos?shelf\\_id=3&sort=dd&view=0](https://www.youtube.com/user/helpmemrdavies/videos?shelf_id=3&sort=dd&view=0)

**Keep a journal** – not only will you be able to look back on your thoughts and feelings you will develop your writing skills.

**Practise your maths skills regularly** – <https://corbettmaths.com/5-a-day/gcse/>

**Complete a free online course on using a scientific calculator** – great for all but especially budding Engineers <https://www.open.edu/openlearn/science-maths-technology/mathematics-statistics/using-scientific-calculator/content-section-0?active-tab=description-tab>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Motor Vehicle Services at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Motor Vehicle Services at Colchester Institute**

Resources for Year 11 learners who want to attend automotive training in 2020/21

<https://www.theimi.org.uk/news/free-resource-students-considering-automotive-career>

Resource for students considering an automotive career, this website is provided by our awarding organisation (IMI: The Institute of the Motor Industry).

<http://www.autocity.org.uk/>,

IMI Autocity is the one-stop shop for impartial careers information and advice on careers in the Retail Motor Industry.

Students and teachers are able to navigate this site for information relating to training provided by Colchester Institute Motor Vehicle training, Light Vehicle and Accident Repair.

<http://www.autocity.org.uk/index.php/2020/04/20/parents-we-are-here-to-help/>

This is a useful site for teachers, parents and school leavers. It also provides a parent's guide to support them to navigate the learners next steps as they leave school.

<https://play.howstuffworks.com/quiz/can-you-answer-these-questions-an-auto-mechanic-should-know>

How Stuff Works – a fun site which has practical automotive quizzes to take.

### **Going Further to study Motor Vehicle Services at Colchester Institute**

IMI Level 1 Award in Vehicle Accident Repair

IMI Level 2 Diploma in Vehicle Accident Repair Paint Principles (VRQ)

IMI Level 1 Certificate in Transport Maintenance

IMIAL Level 2 Diploma in Vehicle Inspection (VRQ)

IMI Level 2 Diploma in Light Vehicle Maintenance and Repair Principles (VRQ)

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

### Getting Ready to Study Multi Skills at Colchester Institute

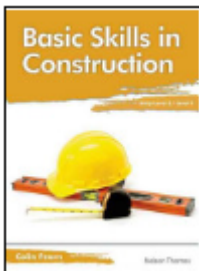
The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

#### Getting ready to study Multi Skills at Colchester Institute:

- Look at understanding how to convert metres and cm into mm.  
<https://www.youtube.com/watch?v=m9cBpakYG2c>
- Identify the materials and tools used by different trades. (Bricklayers, Carpenters and Painters)
- Gain an understanding of perimeters' and areas.  
<https://www.youtube.com/watch?v=LoaBd-sPzkU>
- Start to look at the buildings around you and think about which tradespeople would carry out the different elements of the building.

#### Going Further to study Multi Skills at Colchester Institute

This is a good book to support learning:  
Basic Skills in Construction ISBN 978-1-4085-0877-0



You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Music Technology at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Music Technology at Colchester Institute

#### YouTube

<https://www.youtube.com/playlist?list=PLW9UYOmoXTQIQDFBZWeRBEa23W0IjfWgk> – Music Theory for Music Technologist Videos

<https://www.youtube.com/user/MusicTechHelpGuy> - All the Logic videos

<https://www.youtube.com/playlist?list=PLaCZNICQYbBFnEPVTBt8t5VNewk3Ez7qK> - Songwriting in a DAW

<https://www.youtube.com/user/pointblankonline/> - Deconstructed series

### Going Further to study Music Technology at Colchester Institute

Pick a course in your subject area that interests you at:

<https://www.coursera.org/>

<https://www.futurelearn.com/>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Painting & Decorating at Colchester Institute

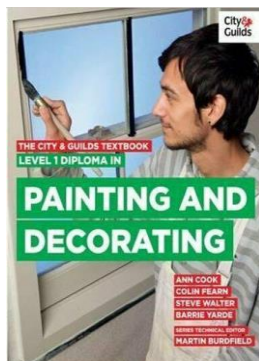
The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Painting & Decorating at Colchester Institute

- Take a look at how it was 'back in the day' in this YouTube clip;  
<https://www.youtube.com/watch?v=qRTe14Car0Y>
- Health & safety plays a big part in construction, how do you think the industry has changed to keep today's Painter & Decorator safe?
- Familiarise yourself with the techniques and phrases used by Painters & Decorators in this short video;  
<https://www.youtube.com/watch?v=bGsdzJmJHrg>
- Learn how to calculate area and how much paint you may need:  
<https://www.youtube.com/watch?v=bCDdQC-zrPs>

### Going Further to study Painting & Decorating at Colchester Institute

Get a copy of the C&G, level 1 Painting & Decorating textbook



You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Performing Arts at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Performing Arts at Colchester Institute

#### All Performing Arts

- [Marquee TV](#): 30-day free trial. Includes work from Sadlers Wells, RSC, Donmar Warehouse (Shakespeare all female trilogy), etc
- [Digital Theatre Plus](#) free trial
- Nick Hern Books [External Resources And Opportunities](#): useful links to online productions and professional companies
- [Online Lighting Colour Lab](#): simple online stage lighting tool
- Watch any show that takes your fancy at: <https://www.theguardian.com/stage/2020/mar/17/hottest-front-room-seats-the-best-theatre-and-dance-to-watch-online>
- <http://www.bbbpress.com/teaching-drama-online/>

#### Dance/Physical Theatre

- [Sadler's Wells Digital Stage](#)
- [Dancing Alone Together](#) live streamed dance classes
- [Jasmin Vardimon Company](#) : dance company sharing work online
- [SMASHED a Gandini Juggling Performance](#): made as a tribute to Pina Bausch, this production is edited from shows filmed at the Royal Opera House in 2011
- [The Time of Your Life | Full Show | Gecko](#): physical theatre made for TV
- [Rosie Kay Dance Company 5 Soldiers – Live Stream](#): collaborative dance piece with the British army
- [BalletBoyz](#): free productions and resources
- Bennet Gartside from The Royal Ballet is doing beginners' ballet on Instagram on Wednesdays.



Online resources  
for Yr 11.docx

#### Acting and Theatre

- [Keith Burt](#): daily free online drama lessons for students from prolific drama teacher
- [National Theatre](#): new production every Thursday on YouTube
- BBC Bitesize [GCSE Drama - Edexcel](#)
- [Pentabus Theatre |](#): Here I Belong by Matt Hartley
- [AMSTERDAM by Maya Arad Yasur](#) until 27 April, Orange Tree Theatre
- Schaubühne: major German theatre showing works by Thomas Ostermeier etc:  
<https://www.schaubuehne.de/en/seiten/online-spielplan.html>
- Breach Theatre's The Beanfield, from 2015: [The Beanfield on Vimeo](#)
- [The Show Must Go Online: The Two Gentlemen Of Verona](#) Online production of the play using Zoom, professional actors and amateurs perform Shakespeare
- [The Winter's Tale Live Capture](#) Cheek by Jowl
- [CYPRUS AVENUE by David Ireland](#) Royal Court production with Stephen Rea
- Bubble by Kieran Hurley: Set on Facebook <https://www.theatreuncut.com/watch>
- I, Malvolio and I, Cinna by [Tim Crouch](#): extraordinary solo works, exploring relationships and roles of audience and performer
- [Going Viral - Daniel Bye](#): pertinent exploration of pandemics in solo show

- [Girls Like That by Evan Placey](#): seminal play and great production
- <https://www.theguardian.com/stage/series/michael-billington-s-a-to-z-of-modern-drama?page=2>
- <https://www.theguardian.com/stage/series/michael-billington-s-a-to-z-of-modern-drama>
- National Theatre Learn at Home:  
[https://www.nationaltheatre.org.uk/learning/schools/secondary-and-fe/resources?queueittoken=e\\_safetynet23apr20~q\\_31e545d1-f229-4e97-bfdb-ba9462fa70e7~ts\\_1587634258~ce\\_true~rt\\_safetynet~h\\_f718f4a965269bef451957368b1dfdae6adc0023ae8315f893e7b1ee8ece0737](https://www.nationaltheatre.org.uk/learning/schools/secondary-and-fe/resources?queueittoken=e_safetynet23apr20~q_31e545d1-f229-4e97-bfdb-ba9462fa70e7~ts_1587634258~ce_true~rt_safetynet~h_f718f4a965269bef451957368b1dfdae6adc0023ae8315f893e7b1ee8ece0737)

### **Musical Theatre**

- [Wind in the Willows](#) from London Palladium, with Rufus Hound
- [21 Chump Street](#) by Lin-Manuel Miranda: short musical by the Hamilton creator

### **Going Further to study Performing Arts at Colchester Institute**

Pick a course in your subject area that interests you at:

<https://www.coursera.org/>

<https://www.futurelearn.com/>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Plumbing at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Plumbing at Colchester Institute

As most of you are still at school and do not have access to the plumbing industry or are unable to secure any work experience with a plumber, now is a good time to research whether this is the correct course for you.

How can you do this? Well we highly recommend watching some videos on YouTube. In particular a channel called Plumber Parts. There are countless videos that are informative and fun covering all aspects of the industry. Pipe bending is a crucial skill for any plumber and the below links will help you familiarise yourselves with the tools and techniques.

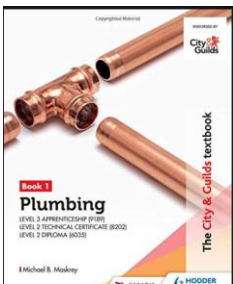
<https://www.youtube.com/watch?v=oiEFsR-5OR4>

<https://www.youtube.com/watch?v=bfD92q9kNd4>

Accuracy is key within the industry, therefore also research measuring techniques and conversion into mm as opposed to cm.

You will be required to wear safety boots in the practical workshop so start thinking about getting a pair. I would recommend Screwfix.

The plumbing team highly recommend purchasing the course textbook to aid your studies (pictured below):



### Going Further to study Plumbing at Colchester Institute

When College begins in September many of you will be looking to gain a plumbing apprenticeship. This is something that the College encourage so starting to build a CV will maximise your chances of gaining employment. Research what a CV should look like and start to think about building one.

Start researching the Health and Safety requirements of the industry (the text book will be very helpful) and familiarise yourself with regulations around the topic.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

### **Getting Ready to Study Professional and Popular Music at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

#### **Getting Ready to study Professional and Popular Music at Colchester Institute**

Explore and get familiar with: <https://www.npr.org/music>

Video essays, lessons and vlogs on new horizons in music and music theory. NYC-based bass player and composer Adam Neely brings you a new video every Monday:

[Adam Neely - YouTube](#)

<https://www.youtube.com/user/havic5>

Something to do:

Practise pieces and songs, etc. so that you are able to play confidently.

Make a log of everything that you would be happy to perform in front of people and then add to that list as they learn more during lockdown.

Have a catalogue of pieces that you can perform confidently ready for the start of term.

#### **Going Further to study Professional and Popular Music at Colchester Institute**

Pick a course in your subject area that interests you at:

<https://www.coursera.org/>

<https://www.futurelearn.com/>

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Progression Studies at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Progression Studies at Colchester Institute**

#### Activity - All about me

As part of your transition to College this activity will help staff get to know you. Please include the following in your work and bring it to College on your first day: -

- Things you like
- Things you dislike
- Sports (if you take part or support any sports)
- Favourite films
- Who your idol might be
- Favourite places
- Your family
- How school was for you

### **Going Further to study Progression Studies at Colchester Institute**

If you have access to technology this activity could be produced as a presentation. If not, you may want to include pictures/drawings on your written work.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Public Services at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting Ready to study Public Services at Colchester Institute

- Watch "real-life" documentaries about the public services, ensure you do this over a wide range rather than focussing on just the public service you are interested in.
- Research physical entry requirements for the public services online and visit relevant services websites to research and learn their roles, responsibilities and any current and future deployments may be. This could include new equipment and vehicles for example.
- Write a brief introduction (using ICT) about why you want to join the course and any concerns or worries you may have, save and keep this till we see you in September.
- If not doing so already, undertake daily physical exercise (**in line with current Government guidelines**), which should ideally be cardio vascular based activities – running, cycling – along with some upper body work (press ups, sit ups). The services, particularly the armed forces, have physical exercise at the centre of their core function, so you should adopt this as a feature of your lifestyle with this in mind and as part of your general health and wellbeing.

### Going Further to study Public Services at Colchester Institute

**Once the current restrictions have lifted and if you haven't already done so, actively consider *at least one* of the following:**

- Join cadets or some form of youth organisation that promotes teamwork-based values
- Join or take up a sporting activity/team in your spare time
- Undertake some voluntary work
- Get a part-time job (16 hours a week maximum) where you interact with others.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Salon Studies at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September.

### Getting Ready to study Salon Studies at Colchester Institute

Icon Research Project:



Icons Research  
Project.docx

Presenting a Professional Image:



Presenting a  
professional image .

Salon Research Task:



Salon Research  
Task.doc

Salon Studies Competition Mood Board:



Salon Studies  
Competition Mood |

Level 2 Hair and Media Makeup task:



Task for level 2 Hair  
and Media Makeup.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Skills for Enterprise at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Level 2 Skills for Enterprise at Colchester Institute**

On this course we cover a lot of areas relating to selling products and services, and providing good customer service. We will look at the 'whys' and 'hows' of a successful business working with customers. Even in these unusual times, customer service is just as important, if not even more so.

You might find the following links helpful – there are some information pages, videos and quizzes that you can try to see the kinds of things we'll be studying on this course.

Customer service, marketing a product/service and the marketing mix:

<https://www.bbc.co.uk/bitesize/guides/z2p8y4j/revision/1>

Why customer satisfaction is important:

<https://www.bbc.co.uk/bitesize/guides/zy79b82/revision/1>

Good customer service – why it's important and how to provide it:

<https://www.bbc.co.uk/bitesize/guides/zhxrbdm/revision/1>

Selling online, and the use of social media in customer service/business

<https://www.bbc.co.uk/bitesize/guides/zdmfpg8/revision/1>

Legislation and regulations (click on blue heading for each box to read more):

<https://www.which.co.uk/consumer-rights/regulation>

### **Going Further to study Level 2 Skills for Enterprise at Colchester Institute**

Take a look at the example assignment on the other side of this page – you might want to have a go and see how you get on.

We would be happy to take a look at any work you complete!

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

### Getting Ready to Study Sport at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

#### Getting Ready to study Sport at Colchester Institute

1. Research the recommended activity levels for Under 5s, 5-18, 19-64 and 65+ year olds. Take notes of your findings ready for September.
2. Produce an instruction video to share with friends and family for how to stay physically fit during the lockdown. Keep your recording safe.
3. Design a set of 'Fit in 5' activities that can be done in small spaces. For example, a dynamic 5-minute workout video. Keep your recordings safe.
4. Complete the questionnaire [the-vark-questionnaire-for-younger-people](#) and produce a 300 word summary on how you prefer to learn.

#### Going Further to study Sport at Colchester Institute

1. Watch a clip from the Crossfit games <https://www.youtube.com/watch?v=PMSjZWB5p7M>. Identify what components of fitness are being used and give examples. Design and produce a written copy of your own Crossfit games that uses each component of fitness and can be done at home in limited space. This needs to be no more than 400 words.
2. Identify and list what you think you might struggle with whilst studying a sports course at CI and what actions/strategies you could do to overcome these struggles.
3. Complete the questionnaire [the-vark-questionnaire-for-athletes](#) produce a 300 word summary on how you like to be coached.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

### **Getting Ready to Study Steps 3 at College**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

#### **Getting ready to study Steps 3 at Colchester Institute**

##### Activity - All about me

As part of your transition to College this activity will help staff get to know you. Please include the following in your work and bring it to College on your first day.

Things you like  
Things you dislike  
Sports (if you take part or support any sports)  
Favourite films  
Who your idol might be  
Favourite places  
Your family  
How school was for you

#### **Going Further to study Steps 3 at Colchester Institute**

If you have access to technology this activity could be produced as a presentation. If not, you may want to include pictures/drawings on your written work.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Steps 4 at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### Getting ready to study Steps 4 at Colchester Institute Activity

#### All about me

As part of your transition to College this activity will help staff get to know you. Please include the following in your work and bring it to College on your first day:

- Things you like
- Things you dislike
- Sports (if you take part or support any sports)
- Favourite films
- Who your idol might be
- Favourite places
- Your family
- How school was for you



All about me.pptx

### Going Further to study Steps 4 at Colchester Institute

If you have access to technology this activity could be produced as a presentation. If not, you may want to include pictures/drawings on your written work.

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## Getting Ready to Study Technical Theatre at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section. If you have any questions please email: [martyn.hall@colchester.ac.uk](mailto:martyn.hall@colchester.ac.uk)

### Getting Ready to study Technical Theatre at Colchester Institute

- You could download or engage with the following computer software which have free or student versions (there are plenty of great video tutorials online if you get stuck):
  - Sketch Up. A basic Computer Aided Design program free online version.  
<https://www.sketchup.com/products/sketchup-for-web>
  - Chamsys Magic Q. Lighting desk software to download on PC or Mac  
<https://chamsyslighting.com/pages/magicq-downloads>
  - Q-Lab. If you have a Mac, this is the industry standard sound cuing software. You can download the basic version for free. <https://qlab.app/> if you have a PC then multiplay is a similar free program.  
<https://www.da-share.com/software/multiplay/>
- Access some online video materials:
  - Try to watch lots of performance work. Many performance companies are putting material online from small productions to major performances. Some of which your school may have access to, others which are going out to the public. Try to watch a variety of things <https://www.timeout.com/theatre/best-streaming-theatre-shows-how-to-watch-online>
  - If you use social media, look for large groups of professionals in an area you are interested in. There are many professionals who are sharing materials and training videos in those groups. Example groups on Facebook include: Hey Audio Student, Professional Technicians, Scenic Artists, Fabricators, and Set Designers, Stage Managers
  - Explore the Creative and Cultural Skills website which gives information and interviews about the Creative Industry.
- [Online Lighting Colour Lab](#): simple online stage lighting tool
- National Theatre – How We Made It:  
<https://www.youtube.com/playlist?list=PLJgBmjHpqgs68UwOF65Ge8iLUJTUoOE7c>
- Distance Learning Technical Theatre: <https://www.theatrefolk.com/blog/technical-theatre/>
- Online Teaching Resources for Theatre Design & Technology:  
<http://scenicandlighting.com/article/online-teaching-resources-for-theatre-design-technology/>

**Going Further to study Technical Theatre at Colchester Institute**

- If you would like to there are a number of great books available for the subject. Do look at the reviews before spending any money as some can be expensive (look around as there are second hand bargains to be found)
  - [https://www.goodreads.com/list/show/98725.Technical\\_Theatre\\_and\\_Design](https://www.goodreads.com/list/show/98725.Technical_Theatre_and_Design)
  - [https://www.goodreads.com/search?utf8=%E2%9C%93&q=Stage+Costume&search\\_type=books](https://www.goodreads.com/search?utf8=%E2%9C%93&q=Stage+Costume&search_type=books)
  - [https://www.goodreads.com/search?utf8=%E2%9C%93&q=Stage+Management&search\\_type=books](https://www.goodreads.com/search?utf8=%E2%9C%93&q=Stage+Management&search_type=books)
  - [https://www.goodreads.com/search?utf8=%E2%9C%93&q=Theatre+Design&search\\_type=books](https://www.goodreads.com/search?utf8=%E2%9C%93&q=Theatre+Design&search_type=books)
- Call Q is some software that helps you practice running a show virtually. They have a temporary licence to July for £10 (normally £150 a year)  
<http://www.callq.uk.com/purchase.html>
- Drop emails to practitioners/theatres and ask them for tips. There are lots of Production professionals that are out there who are finding this down time challenging and may be willing to help. Do communicate with them politely and professionally (they may be your future employers) and CC an adult into your emails (eg. teacher or parent).

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

## **Getting Ready to Study Trowel Occupations at College (Construction and the Built Environment)**

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

### **Getting Ready to study Construction and the Built Environment at Colchester Institute**

#### Task 1. Sustainability



In today's world, sustainability is a key requirement for everyone to consider. This is especially true when designing and constructing new buildings.

What is your understanding of what 'sustainability' is in construction?

Do you know any buildings that are sustainable?

Research a building that is thought to be sustainable. Where is it? What do people do in the building? What makes it sustainable?

Describe the features that make it sustainable and suggest why they work?

#### Task 2. Professional careers in construction



There are many different professional career options in the construction industry ranging from Architect to Civil Engineer, Surveyor to Project Manager

You may have even thought of one which you may like to do?

Research a particular job role that you are interested in.

Find out the typical qualifications and career progression route:

What do they do?

What are their specific roles and responsibilities?

Who do they interact with?

How much can they earn?

Why would I like to become a.....?

### Going Further to study Construction and the Built Environment at Colchester Institute

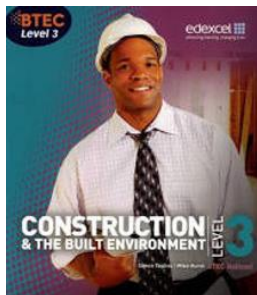
#### 1. CAD (Computer Aided Design)

You will learn how to use CAD on the course (We use AutoCad) but you can have a go at home by loading up 'sketchup'.

It's free to use: <https://www.sketchup.com/> ...have a go?

#### 2. Books and Resources

BTEC Level 3 National Construction and the Built Environment Student Book (Level 3 BTEC National Construction)





You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>

### Getting Ready to Study Carpentry, Joinery or Furniture at College

The 'Getting Ready' list below gives you resources and activities you can use to get ready for when your course starts at Colchester Institute in September. We have picked mostly resources and activities you can access on-line and we have some suggestions too of other resources in the 'Going Further' section.

Getting Ready to study Carpentry, Joinery and Furniture at Colchester Institute	
A link which can be used to purchase the L1 and L2 course text books for Carpentry and joinery – there is also an E-Text book too.	<a href="https://www.hoddereducation.co.uk/">https://www.hoddereducation.co.uk/</a>
The original book from which all City and Guilds Furniture Making exams were set	The Technique of Furniture Making by Ernest Joyce and revised by Alan Peters
Health and Safety Study – this will aid the passing of an on-line examination	 UNIT 201.pdf
Health and Safety Executive – become familiar with this website for H&S guidance.	<a href="https://www.hse.gov.uk/">https://www.hse.gov.uk/</a>
Principles of Building Study – this will aid the passing of an on-line examination	 UNIT 101.pdf
Timber preparation	<a href="https://www.youtube.com/watch?v=Cl5Srx-Ru_U">https://www.youtube.com/watch?v=Cl5Srx-Ru_U</a>
Grain of timber	<a href="https://www.youtube.com/watch?v=NZqYh-6c0m8">https://www.youtube.com/watch?v=NZqYh-6c0m8</a>
Sharpening and setting a plane	<a href="https://www.youtube.com/watch?v=gE4yVgdVW7s">https://www.youtube.com/watch?v=gE4yVgdVW7s</a>
Ripping timber	<a href="https://www.youtube.com/watch?v=S_2vh8WPgeM">https://www.youtube.com/watch?v=S_2vh8WPgeM</a>
Crosscutting timber	<a href="https://www.youtube.com/watch?v=3O8Dli2HfKM">https://www.youtube.com/watch?v=3O8Dli2HfKM</a>
Chopping a mortice	<a href="https://www.youtube.com/watch?v=q_NXq7_TILA">https://www.youtube.com/watch?v=q_NXq7_TILA</a>
Cutting a mortise and tenon	<a href="https://www.youtube.com/watch?v=aBodzmUGtdw">https://www.youtube.com/watch?v=aBodzmUGtdw</a>
Cutting dovetails	<a href="https://www.youtube.com/watch?v=OCYjoj6cfno">https://www.youtube.com/watch?v=OCYjoj6cfno</a>
Wood properties and uses	<a href="https://clickv.ie/w/wXCm">https://clickv.ie/w/wXCm</a>
The Preparation of Wood - FEWTEL	<a href="https://clickv.ie/w/MXCm">https://clickv.ie/w/MXCm</a>

Going Further to study Carpentry, Joinery or Furniture at Colchester Institute
ClickView Online videos for work readiness:  <a href="https://clickv.ie/w/VVCm">https://clickv.ie/w/VVCm</a> - Learning for work <a href="https://clickv.ie/w/-VCm">https://clickv.ie/w/-VCm</a> – Planning and organising <a href="https://clickv.ie/w/hWCm">https://clickv.ie/w/hWCm</a> - Self Management <a href="https://clickv.ie/w/lWCm">https://clickv.ie/w/lWCm</a> - Teamwork <a href="https://clickv.ie/w/nWCm">https://clickv.ie/w/nWCm</a> - Communication <a href="https://clickv.ie/w/oWCm">https://clickv.ie/w/oWCm</a> - Problem solving <a href="https://clickv.ie/w/TYCM">https://clickv.ie/w/TYCM</a> - Fitting a mortice lock

You can find information for new students at:

<https://www.colchester.ac.uk/further-education/applying-full-time-courses/>