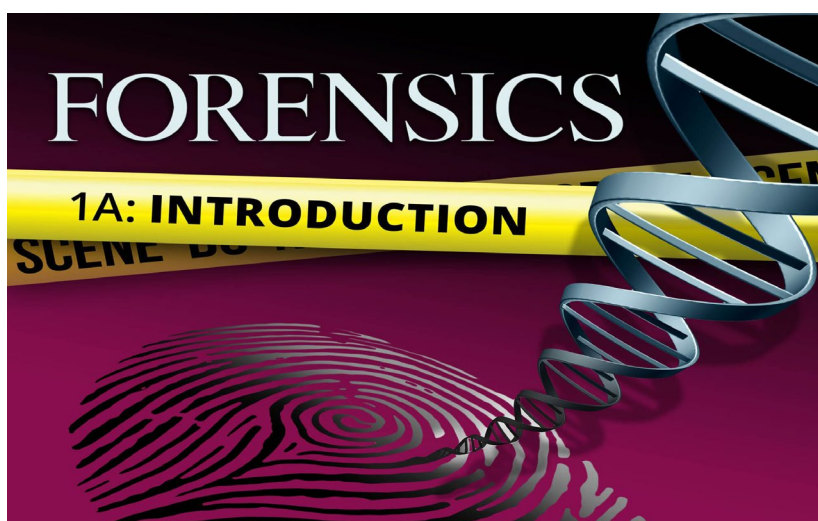


Course Start Work



Course Start is a piece of work you complete before the start of the first term. It forms a fundamental part of your introduction to the course with the aim of getting you started on learning skills that you will use throughout the course. It should take you approximately 5 hours to complete.

Course Name	BTEC National Diploma in Forensic Science and Criminal Investigation
How this Course Start fits into the first term of the course	<p>Task 1 involves tasks which are relevant to Unit 1 which we start at the beginning of Term 1 and finish at Christmas.</p> <p>Task 2 involves doing research into a Biology topic and writing a report which includes references. These skills will be vital for completing the many assignments which form part of this course.</p>
How will my Course Start learning be used in lessons?	<p>Task 1 will be referred to during the lessons in the first term and will give you a head start in your learning for the exam in January</p> <p>Task 2 will be assessed with feedback given which will help you with research, written communication and referencing tasks when you start coursework units in January.</p>
Course Start learning objectives	<p>To assess underlying knowledge from GCSE and go further towards level 3 work</p> <p>To develop research and written communication skills</p>
Study Skills	<ul style="list-style-type: none"> • Research: you will be expected to find out information from reputable sources of information. • Referencing: you will be expected to use appropriate referencing conventions when writing up assignments.

Expectations for BTEC Diploma in Forensics

Exam board: Pearson Edexcel

Our specification is [Pearson BTEC Level 3 National Diploma in Forensic and Criminal Investigation](#)

What this course involves:
9 hours independent study per week as it is a double award (equivalent to two A levels)
Regular attendance and to be punctual to all lessons
Respect for all members of the college
To follow lab rules and be safe at all times
To take part in class discussions and activities
To be resilient and seek support when needed
Developing independent learning skills (e.g. time management, preparing for each week's lessons, completing learning tasks outside lessons)

Get Ready:

Buy your Forensic Science kit. You will need to bring to your first lesson:

- A4 Folder AND file dividers
- Lined paper
- Pens
- Pencil
- 30 cm Ruler ideally see-through.
- Eraser
- Protractor
- Scientific Calculator
- Ideally your own laptop

Task 1:

This task is related to Unit 1 Chemistry. Unit 1 is examined in January.

1. Print a copy of the Periodic Table. Use colour coding to label the following:

- Alkali Metals
- Halogens
- Noble gases
- Groups
- Periods
- Metals

2. Describe the trend in the size of the atoms as you go across the Periods and also as you go down the Groups. Explain the reasons for this trend.

3. Describe the properties and structure and bonding of the following:

- Metals
- Non-metals
- Simple covalent molecules
- Giant covalent structures
- Noble gases

Explain the reasons for the properties by linking them to the structure and type of bonding

4. Focus on Group 7 The Halogens – Describe the properties and the reactions. Describe and explain the trend in reactivity as you go down the Group.

Task 2

This is related to Unit 8 Physiology of Human Body systems which is a coursework unit we will study in the Spring term.

1. Draw and label a diagram showing the organs of the Lymphatic system.
2. Name the organs and the structures of the lymphatic system – include the Thymus, Spleen, Tonsils, Lacteals, Peyer's Patches, Lymphatic nodes (the main groups) and the Lymphatic vessels.
3. Find and include diagrams of three of the above organs and reference them in your report
4. Describe the main three functions of the lymphatics system which are its role in the immune response, maintaining hydrostatic pressure and absorption of fats from lacteals in the small intestine
5. Describe ONE disease of the lymphatic system and briefly describe how it can be treated.

You will need to use books or a reputable website to find relevant information to help you complete your tasks – you will need to REFER to your sources of information. This is called '**Referencing**'.

At the bottom of your task, refer to your sources of information in the following ways. Aim to use at least one book and one internet site.

If you use a book, write out your 'Reference' in the following way:

Books are referenced as follows:

Author of book (date of publication), Title of book, Publisher

If you use a website, write out your 'Reference' in the following way (You may not be able to find the author or the year the site was created – try to include as much information as possible. At the very least, you should include the web address and the date you accessed the site)

Websites can be referenced as follows:

Title of article, Author (if available), year created or last updated, name of sponsor site, date accessed, <URL address>