

**Subject:** *BTEC National Diploma in  
Forensic and Criminal Investigation*

**Exam Board:** *Pearson*

Welcome to BTEC Forensic and Criminal Investigation. We are delighted that you are considering this BTEC as an option in Year 12 and 13. To demonstrate your commitment to the course and to prepare you for September, you must complete the following tasks to the best of your ability. These tasks are compulsory and must be completed by Friday 15<sup>th</sup> July.



We expect you spend at least 3-4 hours completing the tasks outlined in this pack. The activities have been designed to help you begin to develop some of the key skills you will need for BTEC Forensic and Criminal Investigation

### **Learning Objectives:**

1. Learn what constitutes a crime, the British legal system, and some of the laws governing Criminal Investigation and produce a fully referenced research task.
2. Learn about the structure of DNA and produce a fully labelled and annotated diagram to show this
3. Carry out a practical to extract DNA from strawberries and explain why each of the different procedures are carried out

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### **What is Forensic and Criminal Investigation?**



The BTEC Forensic and Criminal Investigation course is for learners who want to continue their education through applied learning. It provides a vocational context in which learners can develop the knowledge and transferable skills required for employment within the Forensic science service. These include; reading scientific and technical texts, effective writing, analytical skills and practical skills.

The course will cover: collecting evidence and analysing a crime scene, preparing evidence for court, analysing DNA profiles and criminal theories

### **Skills you will have learnt upon completion:**

- How to research, present and reference an extended piece of written work
- How to be competent and confident when carrying out practical skills both in a laboratory and in a crime scene house
- How to analyse and present forensic evidence
- How to evaluate the different theories on criminal behaviour

## *Overview of lessons:*

**Lesson 1:** Learn: the difference between civil and criminal law; the British legal system; the legal framework that investigators must adhere to, and produce a fully reference research report on these

**Lesson 2:** Learn the theory on the structure of DNA and produce a fully annotated diagram to display this

**Lesson 3:** Carry out a practical to extract DNA from strawberries together with the theory behind why this is carried out

## *Homework Tasks to be completed:*

Task 1: Complete a fully referenced research task on civil and criminal law, the British legal system, and the legal framework covering criminal investigations.

Task 2: Produce a fully annotated diagram to show the structure of DNA

Task 3: Complete a practical write up about how DNA is extracted from strawberries to include the theory behind each stage