

# WELCOME TO CRIME SCENE INVESTIGATION

<b>Learner name:</b>
<b>Science Teachers Names:</b>
<b>Qualification: BTEC LEVEL 3 APPLIED SCIENCE-NATIONAL DIPLOMA</b>
<b>Unit: 32 Forensic Science &amp; Analysis</b>

## THE CRIME

Someone has broken into the College. A shotgun has been used to blast open a secure door. Plates have been disturbed and there is a drinking cup and other evidence at the crime scene. Three suspects have been arrested in the vicinity. Your task is to try and establish who may be responsible.

You **MUST** give due consideration to Health & Safety. How are you going to protect yourself and others from hazards in respect of the scene itself, chemicals used at the scene (for instance fingerprint powder) and chemicals used in the laboratory (dental alginate, dental casting material etc)

## THE TASKS

TASKS	At the end of the task you should be able to:	Task no.	Page numbers
Preservation of Scene-Securing Evidence <b>Unit Ref 1</b>	Target and recover trace materials; marks and impressions-packaging & labelling	1	
Forensic Dentistry <b>Unit Ref 3</b>	Cast a set of "suspect" teeth in dental alginate and make a model. Compare the model against bite marks found at the crime scene.	2	
Fingerprinting <b>Unit Ref 4</b>	Take a set of own fingerprints, classify them and see how they are unique. Dust and lift fingerprints from a surface and compare them to three suspects	3	
Fibre Analysis <b>Unit Ref 4</b>	Compare the fibres of three garments taken from suspects against fibres found at the crime scene	4	
Ballistics <b>Unit Ref 3</b>	Examine some cartridge cases and determine which two have come from the same weapon	5	