

The Different Types Of Forensic Science

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Introduction to Forensics

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What is Forensic Science? Forensic science is the application of science to criminal and civil laws. There are different types of forensics. Some examples are cyber forensics, forensic dentistry, forensic entomology, and many more. Forensic scientists vary from various units. They include the document unit, biology unit, toxicology unit, and polygraph unit, but they all have something in common: they all use the scientific method.

One type of forensic science is the biology unit, in which they are in charge of investigating blood samples and fiber samples. The second type would be the toxicology unit. This field is in charge of examining body fluids and organs for the presence of drugs and poisons. There is also a latent fingerprint unit, and they process and scan fingerprints. Another critical group is a photographic unit. They are in charge of taking pictures of the evidence. They are also in charge of recording videos of physical evidence.

The forensic science field is enormous and has many professions. All of these are very important in a criminal case. The first one is Forensic Archeology, and they focus on human remains that are decomposed. They also try to find the victims' age by using their bones. The second profession is a forensic dentist. They investigate when a victim has been a bit. Teeth have different patterns, so when left behind on a victim's body, they can identify the suspect. Another essential piece of information is that the victim doesn't necessarily have to be bitten if there is any physical evidence at the scene. For example, a chewed pencil can also help investigators. The third one would be Forensic Pathology. This field is in charge of finding the cause of death, and they are pros, especially when the victim's death was not because of natural causes.

The scientific method is fundamental to forensic scientists because it is used to provide empirical data and be utilized to support or refute a hypothesis. It is also used to collect measurable evidence in an experiment related to an explanation and the results aiming to support the theory. The scientific method has five steps. Step one is to define the problem, then step two is to conduct a literature review. Step three would be to develop a research question or questions, and hypotheses then would be step four, which is to collect data then analyze it lastly, it would be to generate conclusions.

Forensic science has many components. It includes different types of units in this field. Forensic science is critical because, without it, we would not be able to solve a crime and find the victim and the criminal. All of these different types of forensic science are critical in a crime scene. The scientific method is also essential because it is used to make a hypothesis of what happened. It is also used to present physical evidence in a case.

## Reference

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