

(2020)  
(2023)  
Why Crime Scene is important  
for investigation? What are the  
Crime Scene Search patterns?

Investigation <sup>can be</sup> is the backbone of  
the criminal investigation or  
criminal Justice system. A high  
standard of proof can only be  
achieved if the evidence is  
properly collected, secured and  
documented at the stage of the  
investigation. These evidences can  
be produced in court to  
prove the charge against the  
accused. Crime scene is very  
important for investigators as  
they provide critical information  
and evidences regarding suspects.  
Evidences can help in solving  
the case. Various are used

by the investigators to solve the crime scene. However, different search patterns are used in crime investigation in the best way that can not leave any loopholes in a criminal investigation.

## What is investigation?

Section 4(i) of the Criminal Procedure Code:-

"An investigation is a multidisciplinary approach that involves a systematic and logical thinking and require a detail inspection. It includes observation, examination and fact-finding inquiry of witnesses. An investigation is a rigorous process based on evidence".

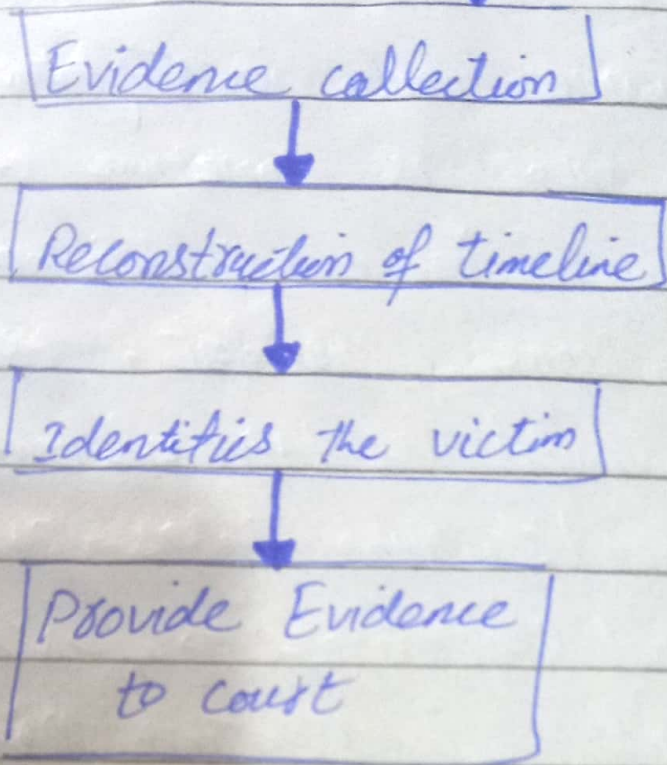
## Crime Scene Investigator

A crime scene investigator is a person who is sometimes called a forensic science technician and crime scene specialist. He is the person in the law enforcement departments who helps police in getting evidence to assist in criminal investigation procedures.

## Importance of Crime Scene Investigation

Crime scene investigation is important for investigators because initial scrutiny is important before the registration of the case. It helps investigators in the process of gathering, preparing, preserving and analysing evidence to assess whether a crime occurred.

# Importance of Crime Scene Investigation for investigators



1-

## Evidence collection

The first and foremost thing investigators do is to collection of evidence. They carefully search and collect evidence such as fingerprint, DNA fibers and other important materials which can be proved useful in solving cases -

2.

## Reconstruction of Events.

Every piece of evidence tell a story what happend, when and how it occurred. By analysing all the puzzles of the crime, investigators can reconstruct events, determine the time of crime and establish a timeline to identify potential suspects.

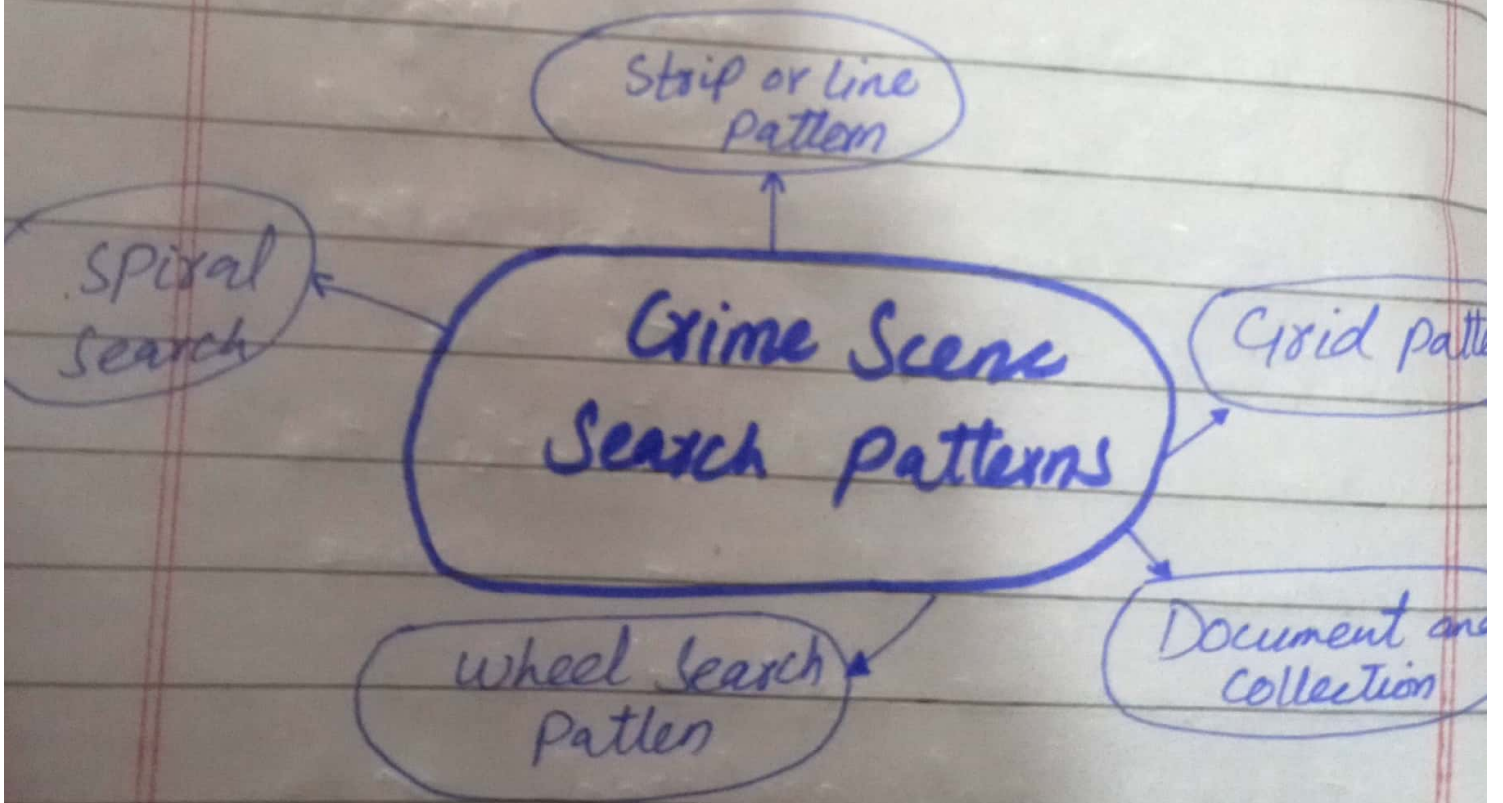
3.

## Identify the victim

DNA Analysis, facial recognition software and good old fashioned detective work these tools helps to investigators to identify the victim and potential suspects. The evidence collected from crime scene can be compared to databases and analyzed to link with crimes or individuals

# Provide Evidence in Court

without proper investigation, there is no solid foundation for a case. The meticulous documentation, analysis and presentation of evidence are crucial for convincing a jury and securing a conviction. This ensure justice for the victim and prevents the wrong person from being punished.

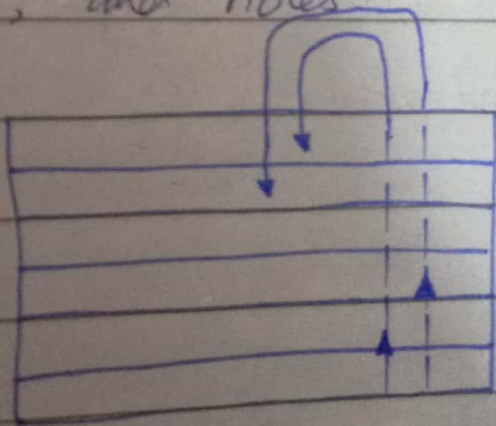


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## Strip or Line Search Pattern.

The investigator choose a specific point at the crime scene to begin the search. This could be a notable feature, the point of entry or any location where evidence is likely to be find. The investigator start investigation according to Strip or line search pattern in a systematic and organized manners. The goal is to cover the entire area thoroughly.

investigator found evidence  
a These evidence <sup>may</sup> include photographs, sketches, and notes.



Strip or line search.

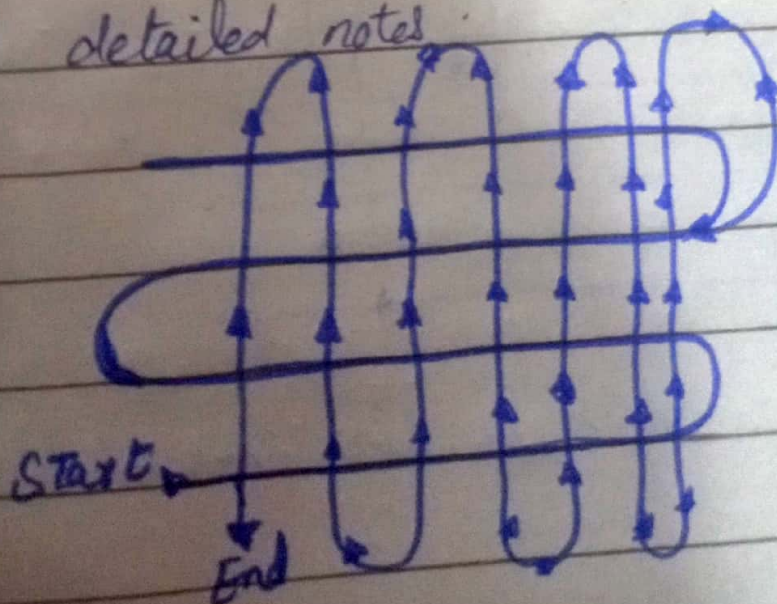
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## Grid Search pattern

In Grid Search Pattern the crime scene with a series of perpendicular lines to create a grid. The size of the grid square depend on the size <sup>and nature</sup> of the crime scene.

The investigator systematically search each square of the grid, covering the grid entire area in an organized manner. They may move horizontally or vertically from one square to the next.

As investigator move through each grid square, they ~~are~~ <sup>carefully</sup> collect evidence included photographs, sketches, and detailed notes.

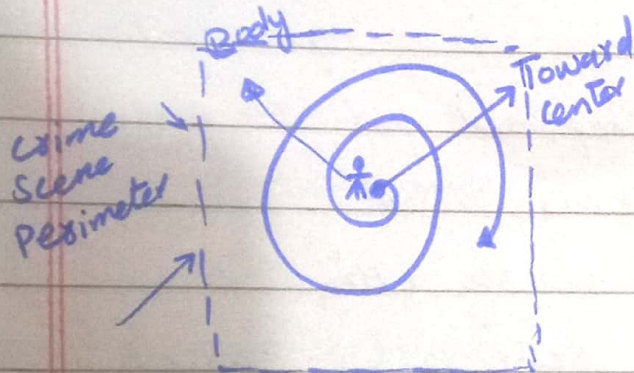




# Spiral Search Pattern

Spiral Search method also known as circle search, is a methodical approach to examining a crime scene that involves moving outward in ever-widening circle. This radius may vary based on the size and characteristics of the crime scene.

The direction of movement can be clockwise or counter clockwise.



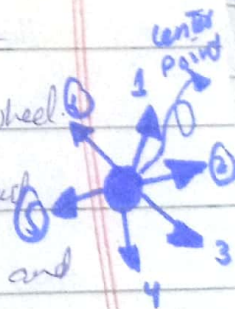
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# wheel Pattern

Specific central point at the crime scene to serve as the hub of the wheel.

Dividing the crime scene into different

Wheel Patterns The number of spoke and their direction. The investigator move along each spoke in a systematic manner. Direction can be clockwise or anticlockwise



## Case in Point: Understanding the importance of Crime Scene from NOOR Mukadam Murder case in Islamabad:

The Crime Scene had prime importance to find that Zahir Tahir killed Noor. Meanwhile, the Party has tried its best to show not murder. However, Police discovered many things at the crime scene.

The Punjab Forensic Science Agency confirmed:

- 1- DNA evidence confirmed that Noor was raped before being killed.
- 2- Noor made every possible attempt to save her life before being killed. Zahir's DNA Skin <sup>recovered</sup> under Noor's nails.
- 3- The shirt worn by and recovered from Zahir was stained with Noor's bloods was found on the blade and handle of the Swiss knife.
- 4- Noor was also attacked with the knuckle punch recovered from the crime scene.

DNA Noor's blood was found on the Knuckle Punch. These are very strong pieces of forensic evidence and the investigate team is committed to <sup>to</sup> <sup>sketch</sup>